pagepro 4650EN/5650EN Reference Guide

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1 Operation on Mac OS X

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements.

Computer	Apple Macintosh computer installed with the following processor: – PowerPC G3 or later processor (PowerPC G4 or later is recommended) – Intel Core Duo or later processor
Connecting the computer and printer	USB connection, network connection (10Base-T/100Base-TX/1000Base-T)
Operating system	Mac OS X 10.2 or later (We recommend installing the newest patch.) Mac OS X Server 10.2 or later
RAM	More than OS recommendation (128 MB or more is recommended)
Available disk space	256 MB or more (for storing images)

Installing the Printer Driver

This manual provides descriptions using dialog boxes for pagepro 5650EN. Since the dialog boxes appear the same for pagepro 4650EN, the dialog boxes for pagepro 5650EN are used in the following descriptions.

You must have administrator privileges in order to install the printer driver.

Before proceeding with the installation, be sure to exit all running applications.

Installing the Printer Driver

The procedure for installing the printer driver on Mac OS X 10.4 is described below. The following procedure or some steps may be different depending on the version of the operating system being used. Complete the installation according to the instructions in the dialog boxes that appear.

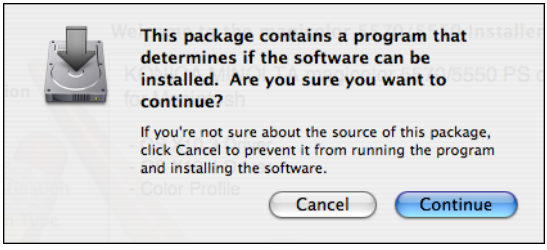
1 Insert the Printer Driver CD-ROM in the CD/DVD-ROM drive of your Macintosh.

2 Double-click the CD icon on the desktop, and then double-click the **pp4650 OSX Installer_103104.pkg**.

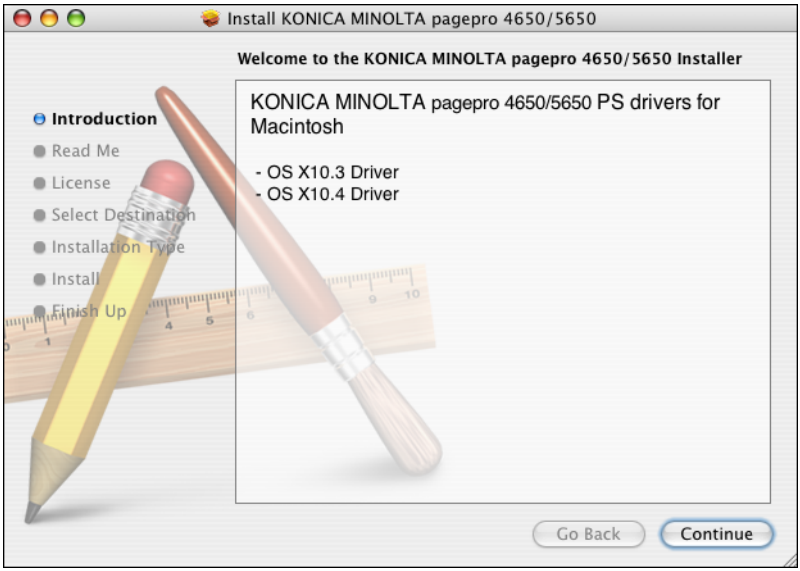
The installer for the printer driver starts up.

*When using Mac OS X 10.2, double-click the **pp4650 OSX Installer_102.pkg**.*

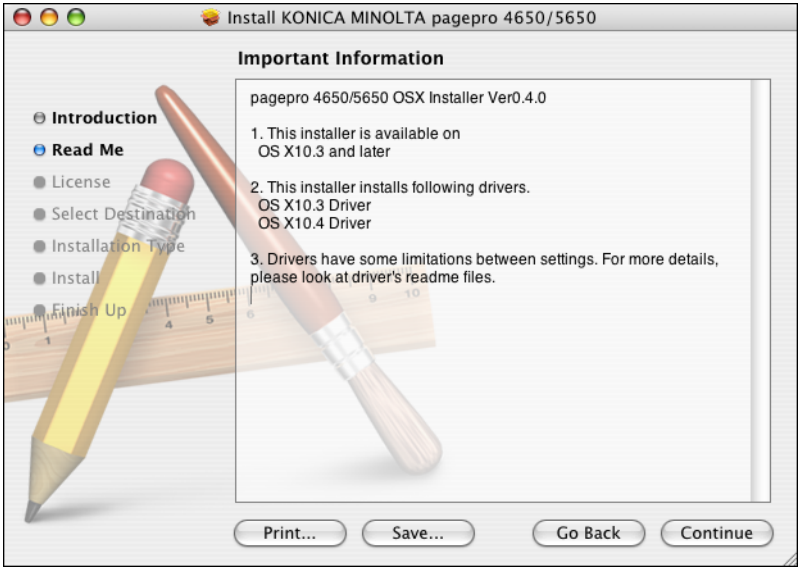
3 Click **Continue**.



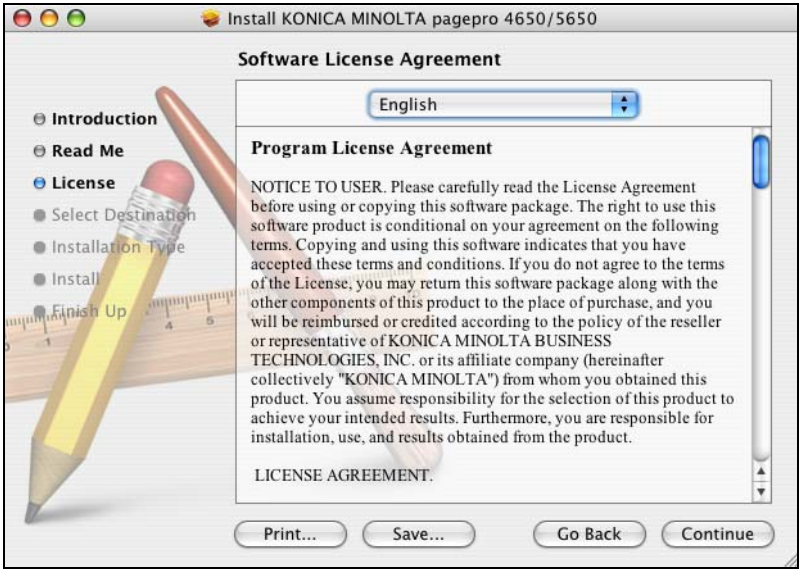
4 Click **Continue**.



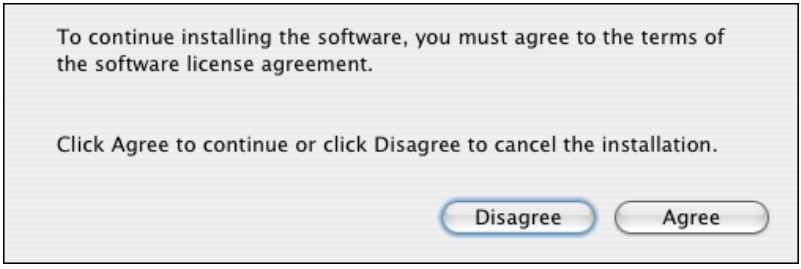
5 Click **Continue**.



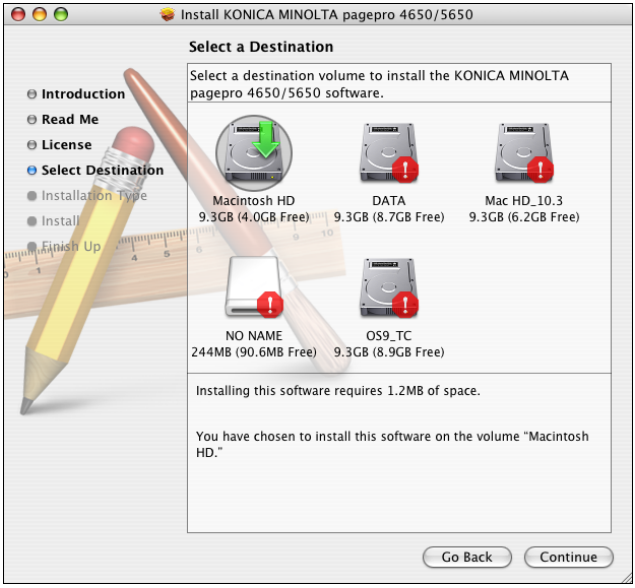
6 Check the details of the license agreement, and then click **Continue**.



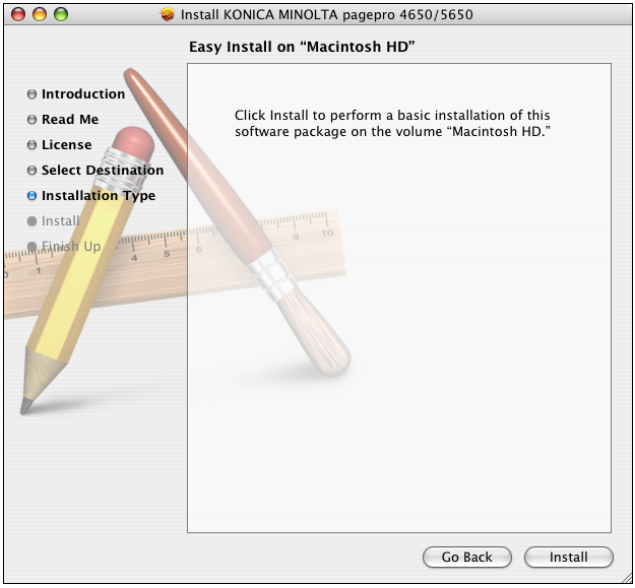
7 Click **Agree** in the confirmation dialog box if you agree to the terms of the license.



8 In the **Select a Destination** page, select the disk in which you wish to install the software, and then click **Continue**.



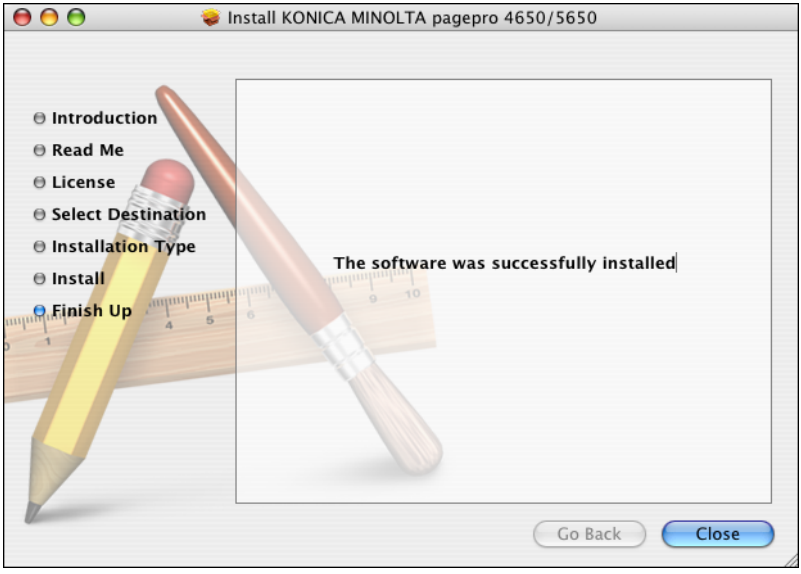
9 Click **Install** in the **Easy Install** page.



Installation starts.

10 Enter the administrator user name and password in the **Authenticate** dialog box, and then click **OK**.

11 After the installation has been completed, click **Close**.



This completes the installation of the printer driver.

Printer Setup Utility Settings

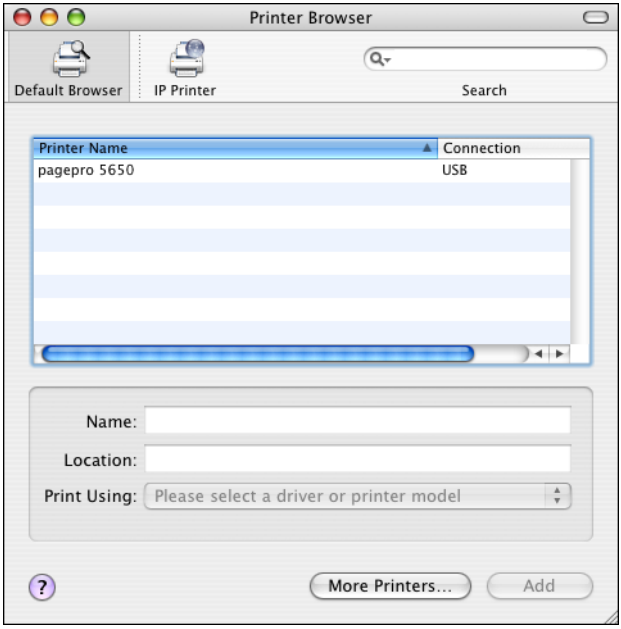
When Using a USB Connection

1 Use a USB cable to connect the printer to your computer.

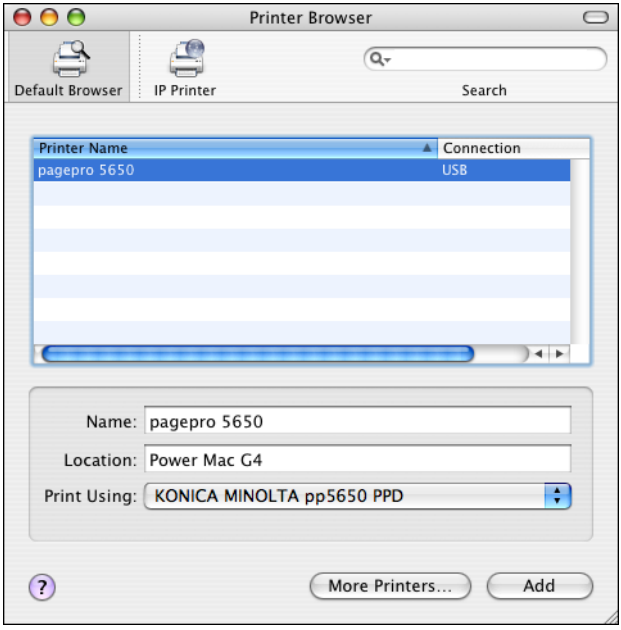
2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.

3 In the **Printer List**, click **Add**.

*The detected printer appears in the **Printer Browser**.*



4 Select **pagepro 5650(4650)** in the **Printer Name** list.

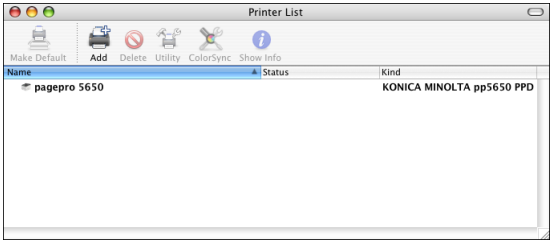


*If **pagepro 5650(4650)** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

5 Check that **KONICA MINOLTA pp5650(4650) PPD** is selected in the **Printer Using** list.

6 Click **Add**.

*The new printer appears in the **Printer List** screen.*



If any options are installed, select them. For details, refer to "Selecting Print Options" on page 19.

When Using a Network Connection

The network connection settings can be specified in one of three ways: Bonjour Setting, AppleTalk setting, IP printing setting (IPP, LPD or Socket).

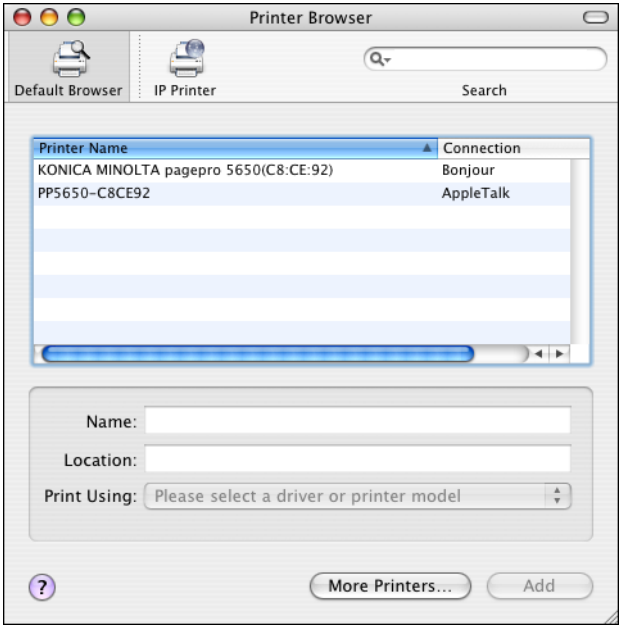
Bonjour Setting

1 Connect the printer to an Ethernet network.

2 Open **Printer Setup Utility**, which can be accessed by clicking **Startup Disk**, then **Applications**, then **Utilities**.

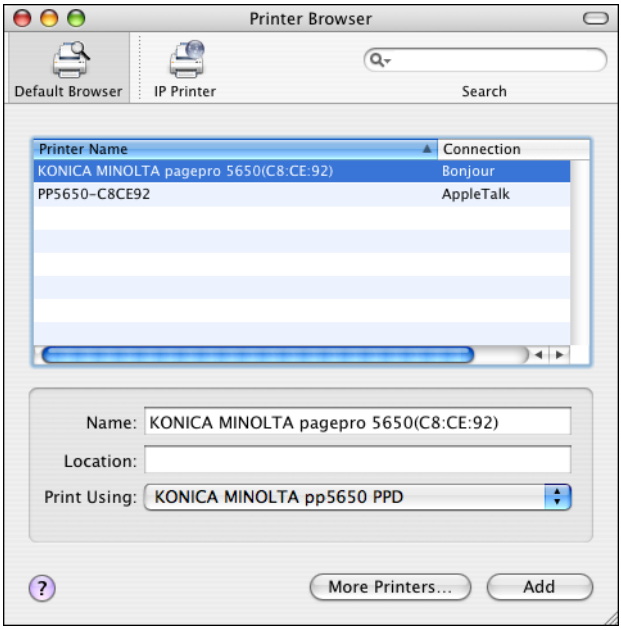
3 In the **Printer List**, click **Add**.

*The detected printer appears in the **Printer Browser**.*



4 Select **KONICA MINOLTA pagepro 5650(4650)(xx:xx:xx)** in the **Printer Name** list.

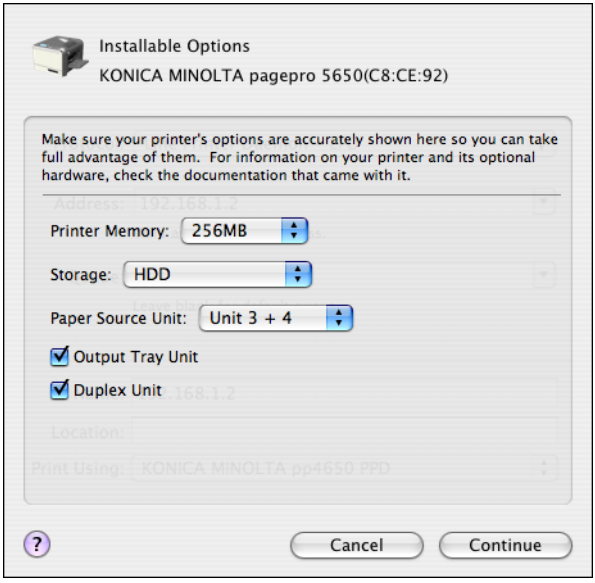
"xx:xx:xx" refers to the last six digits of the MAC address (in hexadecimal).



5 Check that **KONICA MINOLTA pp5650(4650) PPD** is selected in the **Print Using** list.

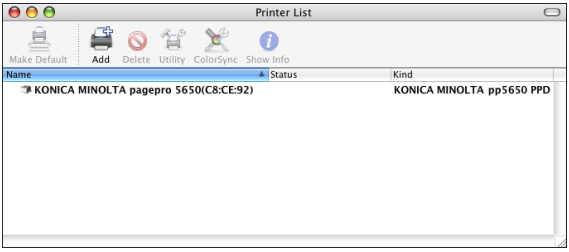
6 Click **Add**.

7 Select the appropriate settings in the **Printer Memory, Storage**, **Paper Source Unit**, **Output Tray Unit** and **Duplex Unit** according to your printer setup.



8 Click **Continue**.

*The new printer appears in the **Printer List** screen.*



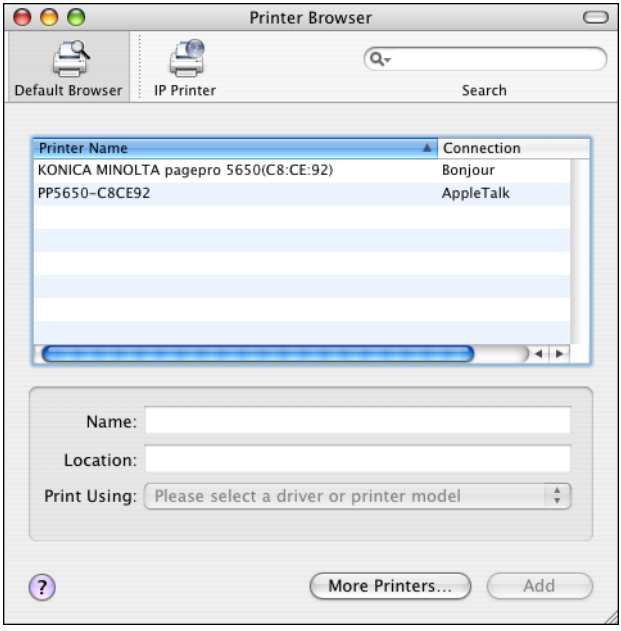
AppleTalk Setting

1 Connect the printer to an Ethernet network.

2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.

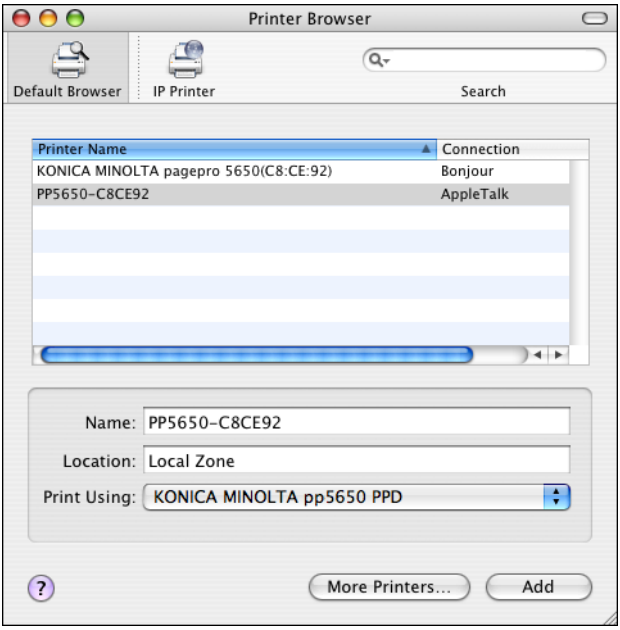
3 Click Add in the **Printer List**.

*The detected printer appears in the **Printer Browser**.*



4 Select **PP5650(4650)-xxxxxx** in the **Printer Name** list.

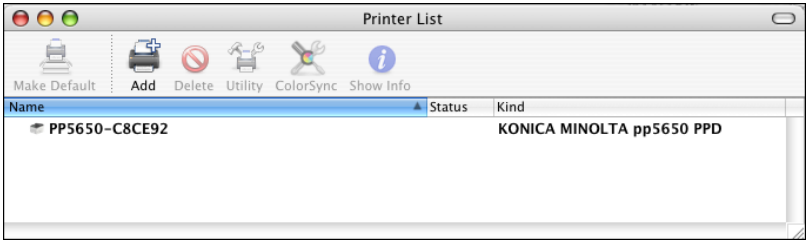
"xxxxxx" refers to the last six digits of the MAC address (in hexadecimal).



5 Check that **KONICA MINOLTA pp5650(4650) PPD** is selected in the **Print Using** list.

6 Click **Add**.

The new printer appears in the Printer List screen.



If any options are installed, select them. For details, refer to "Selecting Print Options" on page 19.

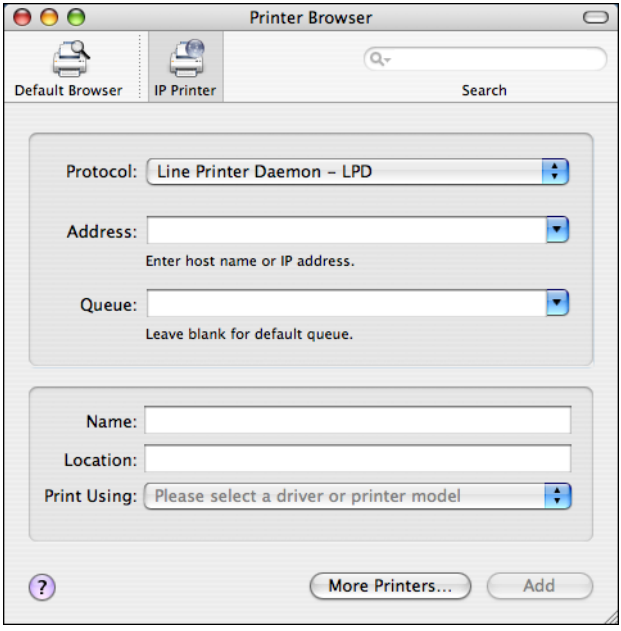
IP Printing Setting

1 Connect the printer to an Ethernet network.

2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.

3 Click **Add** in the **Printer List**.

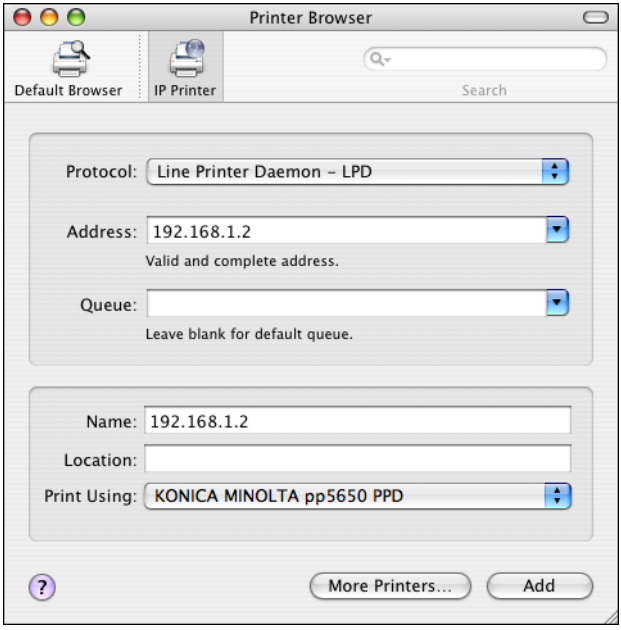
4 Click **IP Printer**.



5 Select desired print protocol from the **Protocol** pop-up menu.

- For an IPP setup, select Internet Printing Protocol - IPP.
- For an LPD setup, select Line Printer Daemon - LPD.
- For a port 9100 setup, select HP Jet Direct - Socket.

6 Enter the IP address for the printer in the **Address** text box.

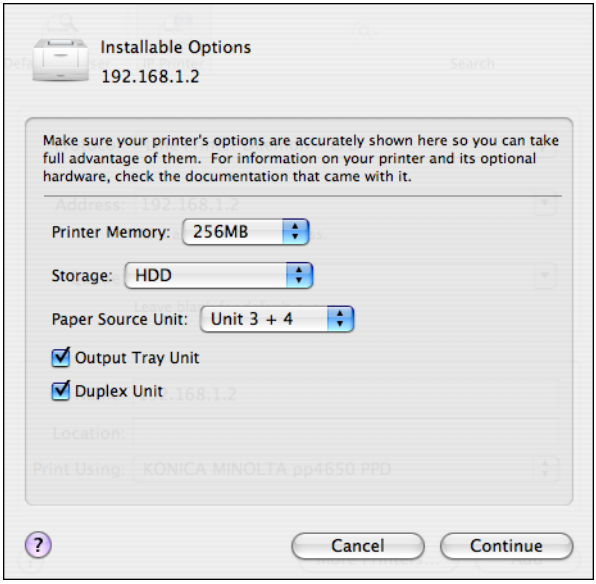


- For an LPD setup, "lp" in the Queue text box.
- For an IPP setup, "ipp" in the Queue text box.

7 Check that **KONICA MINOLTA pp5650(4650) PPD** is selected in the **Print Using** list.

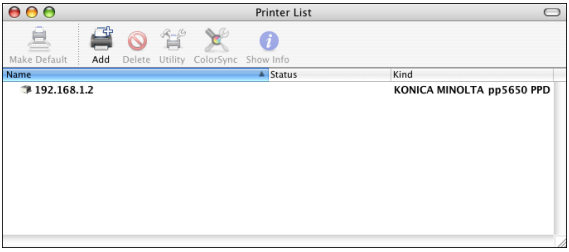
8 Click **Add**.

9 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Output Tray Unit** and **Duplex Unit** according to your printer setup.



10 Click **Continue**.

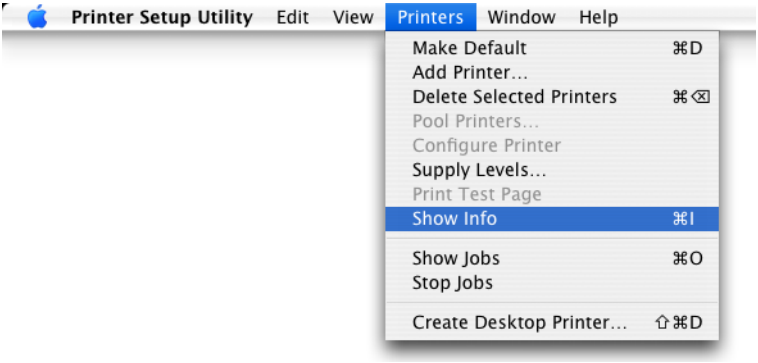
*The new printer appears in the **Printer List** screen.*



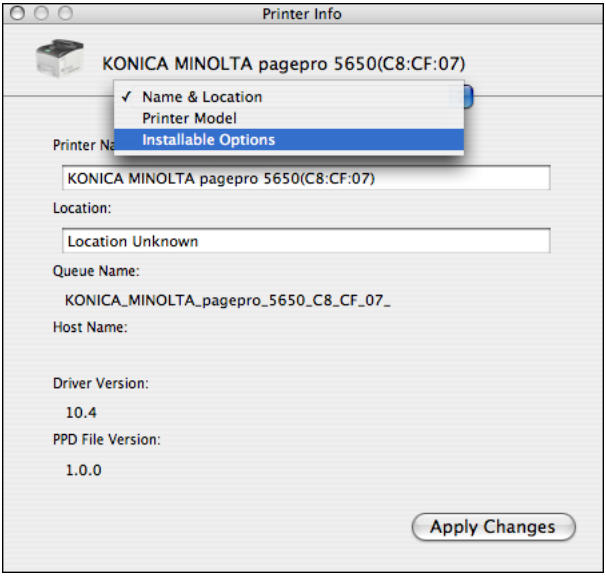
Selecting Print Options

1 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.

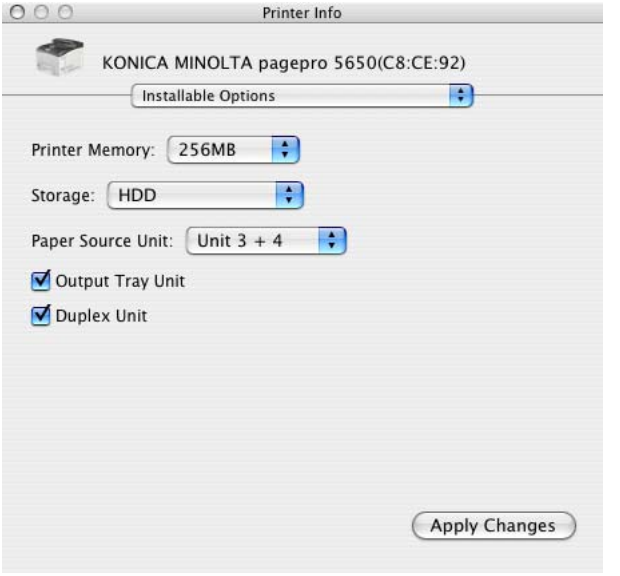
2 Select this printer in the **Printer List**, and then select **Show Info** from the **Printers** menu.



3 Select **Installable Options** from the pop-up menu.



4 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Output Tray Unit** and **Duplex Unit** according to your printer setup, and then click **Apply Changes**.



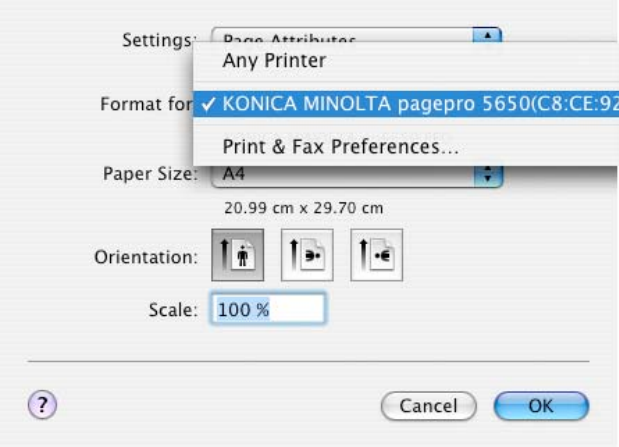
5 Close the **Printer Info** dialog box.

Specifying Page Setup Settings

The following dialog box appears when **Page Setup...** is selected from the **File** menu in the application being used.

1 Select **Page Setup...** from the **File** menu.
The **Page Setup** dialog box appears.

2 Select this printer in the **Format for** pop-up menu.

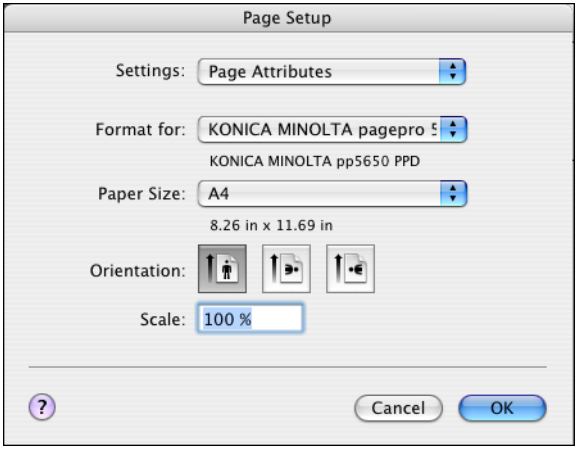


You can select the following sections from the **Settings** pop-up menu.

Section	Description
Page Attributes	This is used to specify the settings for the paper size, scaling, and print orientation.
Save As Default	This is used to save the new settings as the defaults.

Page Attributes Options

The **Page Attributes** section is used to specify the settings for the paper size, scaling, and print orientation.



- Paper Size
  Select the desired paper size from the Paper Size pop-up menu.
- Orientation
  Select either a vertical or horizontal page orientation for printouts.
- Scale
  If you want to enlarge or reduce the size of the printout, enter the scale ratio here (25-400%)

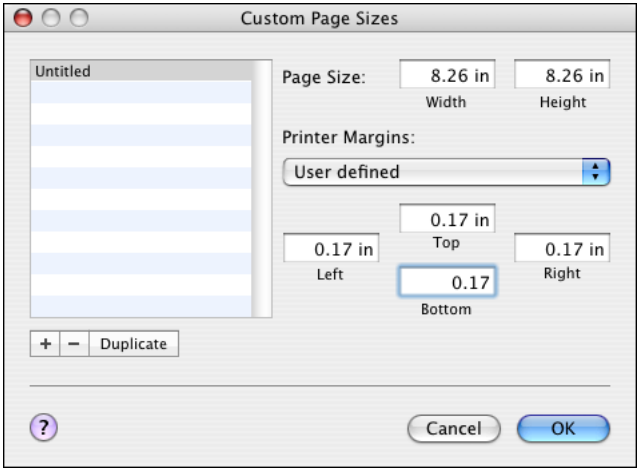
Regardless of which paper size is selected, the printer does not print within 0.165" (4.2 mm) of the edge of the paper.

Custom Paper Size Options

You can also specify a paper size that is not listed in the Paper Size pop-up menu.

1 Select **Manage Custom Sizes** from the pop-up-menu, in the **Page Setup** dialog box.

*The **Custom Page Sizes** dialog box appears.*



- \+
  Click this button to create a new custom paper size.
- –
  Click this button to delete a custom paper size.
- Duplicate
  Click this button to duplicate (copy) the settings of an existing custom paper size and create a new custom paper size based on those settings.
- Paper Size
  Enter the dimensions of the paper height and width for the custom paper size.

  Height: 5.0 - 35.4" (127 - 900 mm)

  Width: 3.0 - 8.5" (72 - 216 mm)
- Printer Margins
  Enter the dimensions for the top, left, right, and bottom margins.

2 After you have finished entering the settings, click **OK**.

Regardless of which paper size is selected, the printer does not print within 0.165" (4.2 mm) of the edge of the paper.

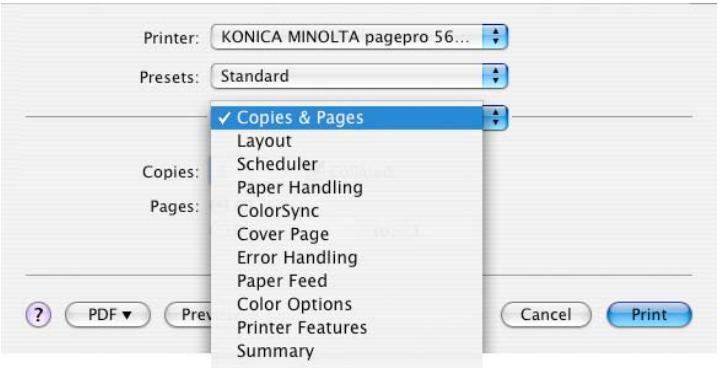
Specifying Print Settings

The following dialog box appears when **Print...** is selected from the **File** menu in the application being used.

1 Select **Print...** from the **File** menu.
The **Print** dialog box appears.

2 Select this printer in the **Printer** pop-up menu.
The Print dialog box is used to specify the following print options.

Print Dialog Box



Section	Description
Copies & Pages	This section contains options for the number of copies to be printed and the range of pages to print.
Layout	This section contains options for specifying the page layout when printing and the setting for double-sided printing.
Scheduler	This section contains options for specifying the print timing and priority of jobs.
Paper Handling	This section contains options for specifying the pages to be printed and their printing order.
ColorSync	This section contains options for specifying ColorSync settings.
Cover Page	This section contains options for specifying cover page settings.
Error Handling	This section contains options for specifying how an error is reported.
Paper Feed	This section contains paper feed options.
Color Options	This section contains options for monochrome printing.
Printer Features	This section contains options for specifying whether or not paper of the nearest size is automatically detected when no paper tray is loaded with paper of the same size as the document and for specifying how the back of the paper is printed.

Section	Description
Supply Levels	This section provides information for checking the amount of service life remaining on each consumable.
Summary	This is used to check the current settings.

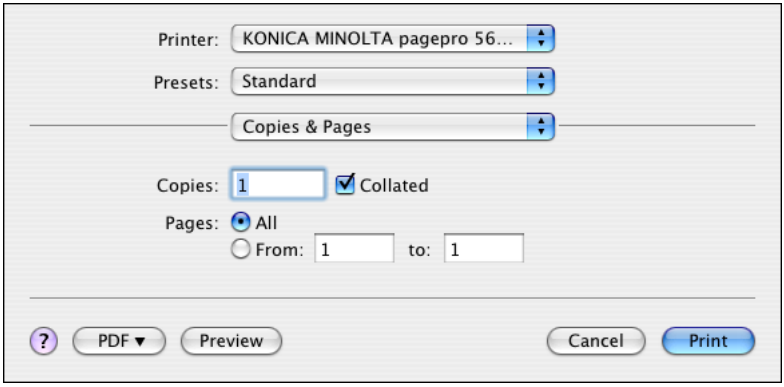
No warning message will be displayed if options cannot be used together are selected.

Common buttons

- ? (Help button)
  This displays help information about the Print dialog box.
- PDF
  Click this button to select the PDF menu. The print output can be saved as a PDF file or faxed.
- Preview
  Click this button to view a preview image of the printout, to check that the print options are set correctly.
- Cancel
  Click this button to close the Print dialog box without applying any of the settings.
- Print
  Click this button to print using the selected print options.

Copies & Pages

The **Copies & Pages** section is used to specify the number of copies to print and the range of pages to print.



- Copies
  This specifies the number of copies to be printed. If the **Collated** check-box is selected, all pages in the documents are printed as sets of print-outs.
  For example, if 5 is entered for **Copies** and **Collated** is selected, the document is printed five times from the first page to the last page.

  In order to use the collate function, the optional hard disk kit or a CompactFlash card of 1 GB or more must be installed.
  If a collate function is provided with the application, the setting specified from the application is given priority, and the setting specified in the printer driver is ignored.

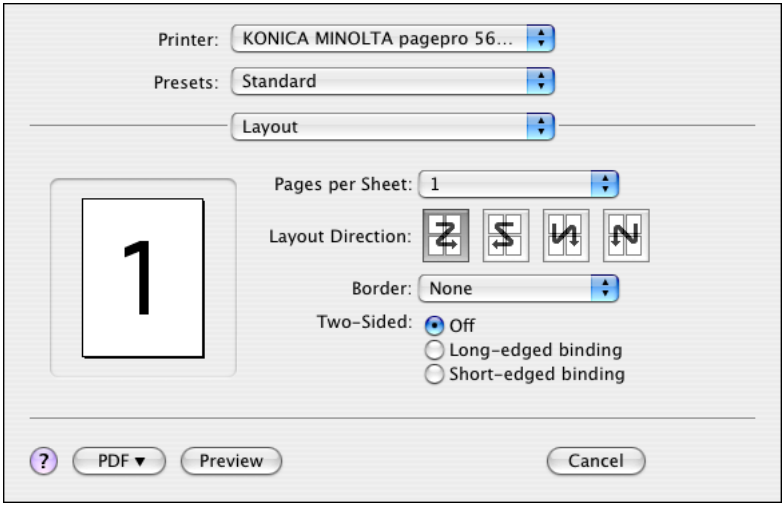
- Pages

  All: Prints all pages in the document.

  From, to: Specifies the range of pages to be printed.

Layout

The **Layout** section is used to specify the page layout when printing and the setting for double-sided printing.



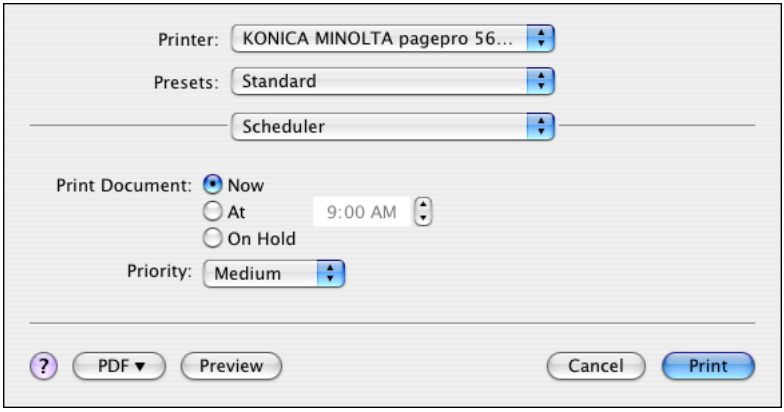
- Pages per Sheet
  Specifies the number of pages to be printed on one sheet of paper. For example, if **2** is selected, two pages are printed on one sheet of paper.
- Layout Direction
  If you are printing more than one page per sheet, this specifies the direction and order the pages should be arranged on each sheet of paper.
- Border
  This prints a border around the image for each of the pages printed on one sheet of paper when more than one page is printed on one sheet of paper.
- Two-Sided
  Select the desired setting for double-sided printing when the optional duplexing unit is installed.

Off:	Double-sided printing is not performed.
Long-edge binding:	Double-sided printing is performed with the binding along the long edge of the paper.
Short-edge binding:	Double-sided printing is performed with the binding along the short edge of the paper.

*To print on both sides of the paper, **Duplex Unit** must be selected under **Installable Options** (p. 19).*
*The **Long-edge biding** check box or **Short-edge biding** check box can be selected even when the **Duplex Unit** is not installed. However, in this case, the print job will be cancelled.*

Scheduler

The **Scheduler** section is used to specify the timing and priority for printing jobs.



- Print Document

  Now: Select this option to begin printing immediately.

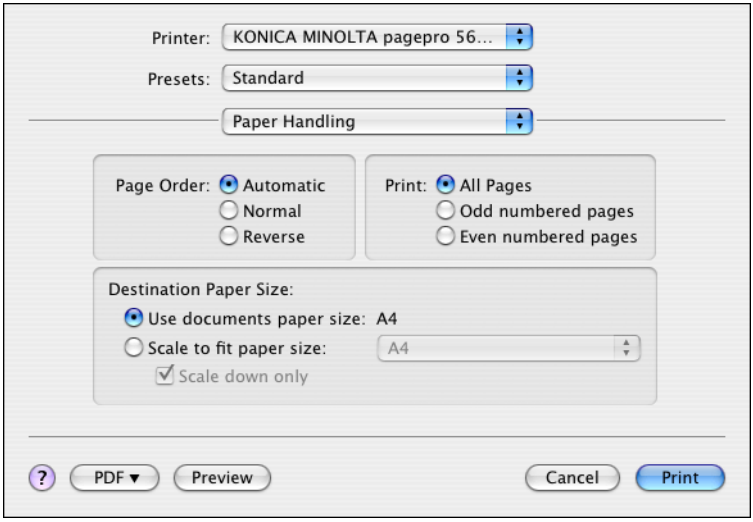
  At: Specify the time to begin printing.

  On Hold: Select this option to hold the print job.

- Priority
  Select the priority for printing jobs that are being held.

Paper Handling

The **Paper Handling** section is used to specify the pages that are to be printed and the order in which the pages are printed.



- Page Order

  Automatic: Select this option to print in the original page order of the document.

  Normal: Select this option to print in the normal page order.

  Reverse: Select this option to print in the reverse page order.

- Print

  All pages: Select this option to print all pages.

  Odd numbered pages: Select this option to print only the pages with odd page numbers.

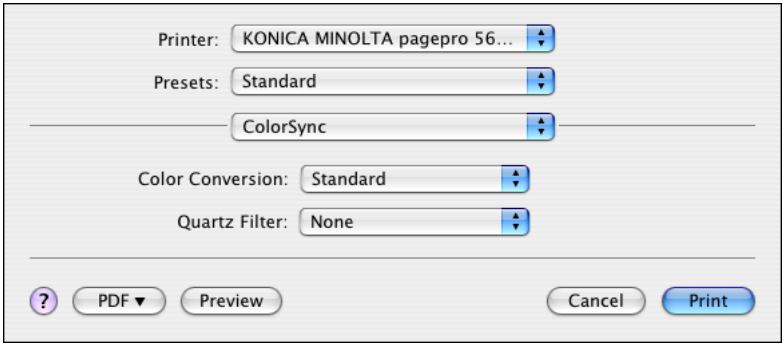
  Even numbered pages: Select this option to print only the pages with even page numbers.

- Destination Paper Size

  Use documents paper size: Select this option to use the document size as created by software applications.

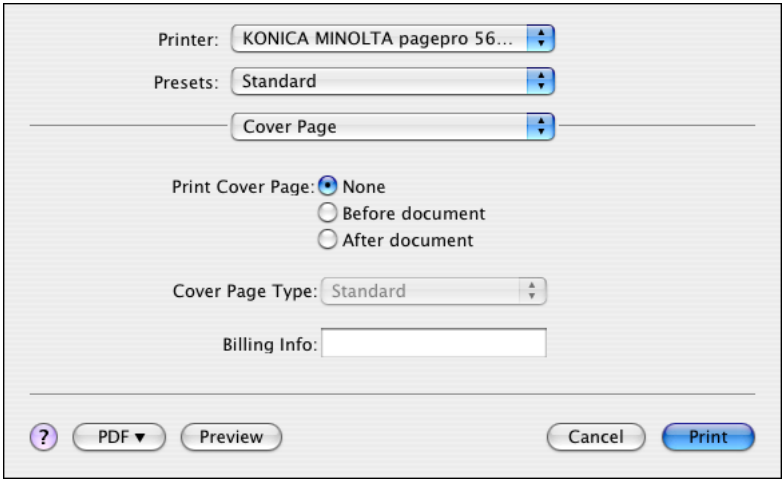
  Scale to fit paper size: Select this option to fit the document size to the size of paper used by the printer. Specify the size of paper used by the printer.

ColorSync



- Color Conversion
  Allows you to select host-based color matching or printer-based color matching.
- Quartz Filter
  Allows you to select Quartz Filter.

Cover Page



- Print Cover Page
  Allows you to set cover page before or after document.
- Cover Page Type
  Allows you to select cover page type.

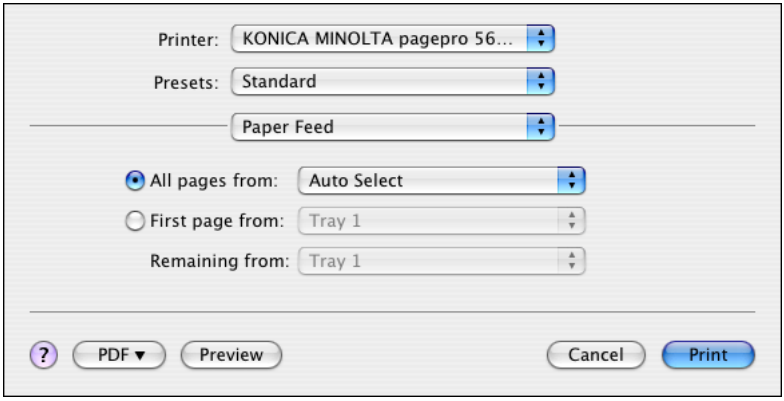
- Billing Info
  Allows you to set billing information printed on cover page.

Error Handling

- PostScript Errors
  Allows you to select whether or not a report is output when a PostScript error occurs.
- Tray Switching
  This feature is not available with this printer.

Paper Feed

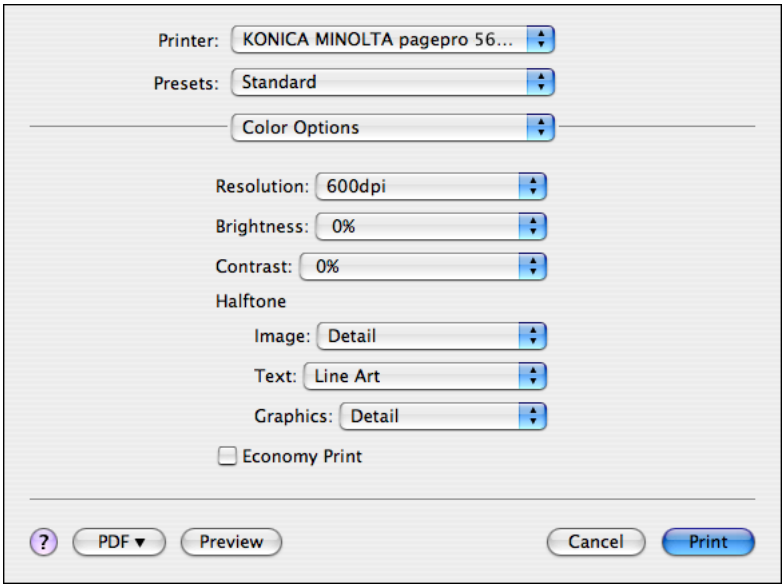
The **Paper Feed** section is used to specify the paper feed setting.



- All pages from
  All pages in the document are printed using the paper in the specified paper tray.
- First page from
  The first page of the document is printed on paper from a paper tray different from the tray used to print the rest of the document.
- Remaining from
  The rest of the document is printed from the specified paper tray when the first page is to be printed on paper from a different tray.

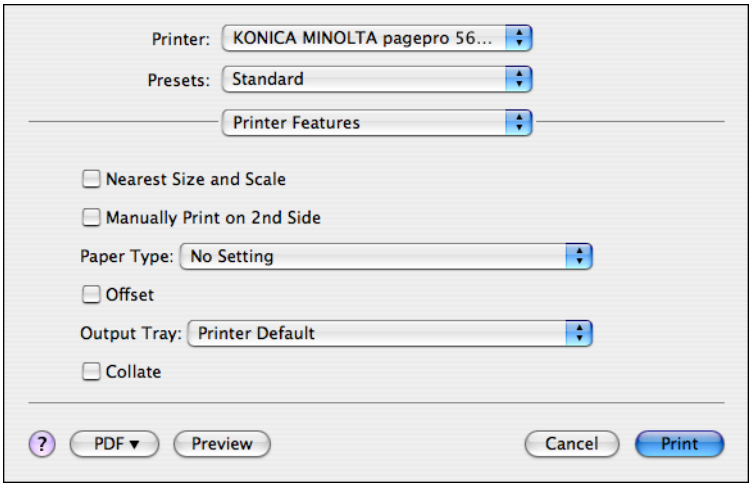
*If an optional lower feeder unit is installed, select **Unit 3** or **Unit 3 + 4** under **Installable Options** (p. 19). If **Unit 3** or **Unit 3 + 4** is not selected, **Tray 3** and **Tray 4** appear in gray and cannot be selected.*

Color Options



- Resolution
  Specify the image resolution.
- Brightness
  Allows you to set Brightness.
- Contrast
  Allows you to set Contrast.
- Halftone
  Image/Text/Graphic
  Select halftone for images/text/graphics.
- Economy Print
  Select whether or not economy printing is used.

Printer Features

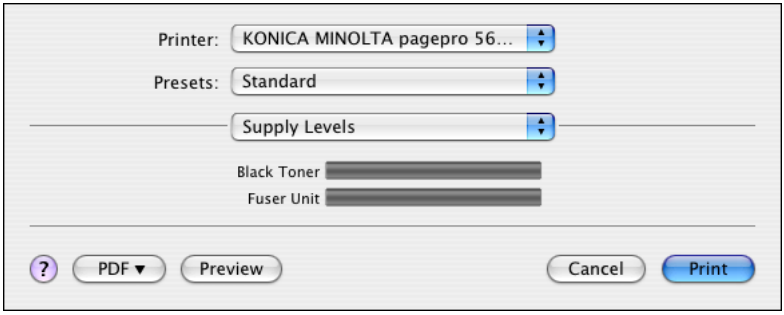


- Nearest Size and Scale
  If no paper tray contains paper of the specified size, the page is automatically enlarged or reduced and paper of the most appropriate size is selected.
- Manually Print on 2nd Side
  This feature must be set when you set paper already printed on the front side.
- Paper Type
  Select the desired paper type from the Paper Type pop-up menu.
- Offset
  Select whether or not printed pages are sorted.
- Output Tray
  Select the output tray for the offset tray.

*If the offset tray is installed, refer to "Selecting Print Options" on page 19 to specify settings for the offset tray. If the settings are not specified, **Offset** and **Output Tray** are not available.*

- Collate
  Select whether or not to use the collate function.

Supply Levels



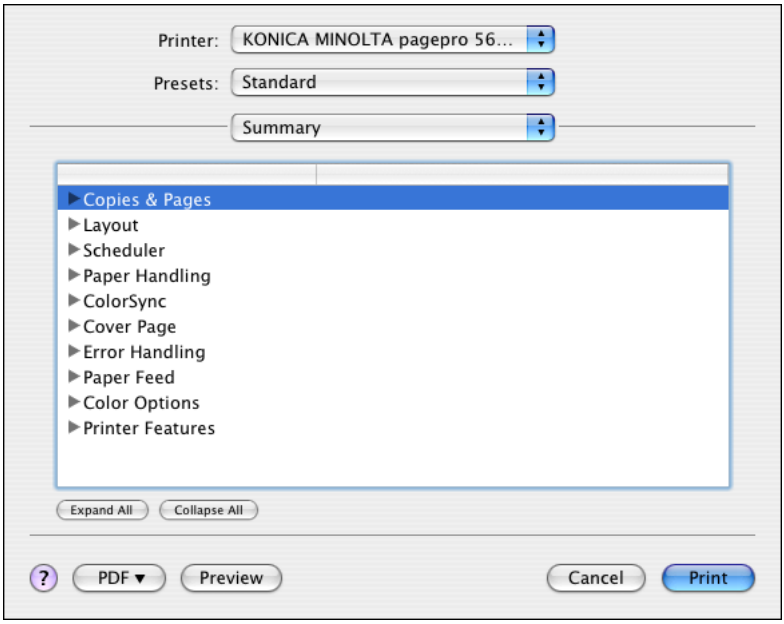
The **Supply Levels** section provides information for checking the amount of service life remaining on each consumable.

*The **Supply Levels** section appears when a printer is created on Mac OS X v10.4 with a Bonjour, IPP, LPD, Socket connection.*

*The **Supply Levels** section may not appear depending on the application you use.*

Summary

The **Summary** is used to check the currently selected print settings.



Troubleshooting

Symptom	Solution
The setting in the saved presets are not applied.	Depending on the functions selected for the printer, some preset settings are not saved.
Media type error appears.	Be sure to specify a media type supported by Tray 1, Tray 2, Tray 3 and Tray 4.
The printer stops responding.	Depending on the operating system, some paper size and paper type combinations are not permitted. If the job was sent with an incorrect combination of settings, the printer stops responding. Be sure to print with the correct combination of paper size and paper type settings.
Checking the version number of the printer driver and PPD file.	■ For Mac OS X 10.4: Select the printer from **Printer Setup Utility**, and then click **Show Info** in the **Printers** menu. In the pop-up menu of the **Printer Info** dialog box, select **Name & Location**.
The dialog box displays incorrectly after you select another manufacture's printer and then select the pagepro 5650(4650) again.	Close the Print dialog box, and then open it again.
The custom paper size is different from the size that was set.	Depending on the operating system, the custom paper size settings may change slightly (for example, 5.80" may change to 5.79").
When printing 2 pages on a single sheet of paper, the pages are not centered on the paper.	Depending on the operating system, the pages are not centered on the paper when printing two pages on a single sheet of paper with the following paper sizes. Legal, Letter Plus, Foolscap, Government Legal, Statement, Folio
The specified name cannot be used for the name of a custom paper size.	Due to the limitations of Mac OS X, the following names cannot be used as custom paper size names. Specify a different name. ■ "Custom" ■ General paper size names specified in the PPD files, such as "A4" and "B4"

Symptom	Solution
When printing multiple copies of multiple pages on a single sheet of paper with **Collated** selected, the pages are printed continuously.	When printing multiple copies of multiple pages on a single sheet of paper, **Collated** cannot be selected.
While printing from Acrobat Reader, the pages are not correctly collated or the print job is cancelled.	If a printing error occurs with Acrobat Reader, print using the Preview application provided by the operating system.

2

Operation on the XPS Driver for Windows

Installing the Printer Driver

For the system requirements for the printer driver, refer to the User's Guide on the Utilities and Documentation CD-ROM.

You must have administrator privileges in order to install the printer driver.

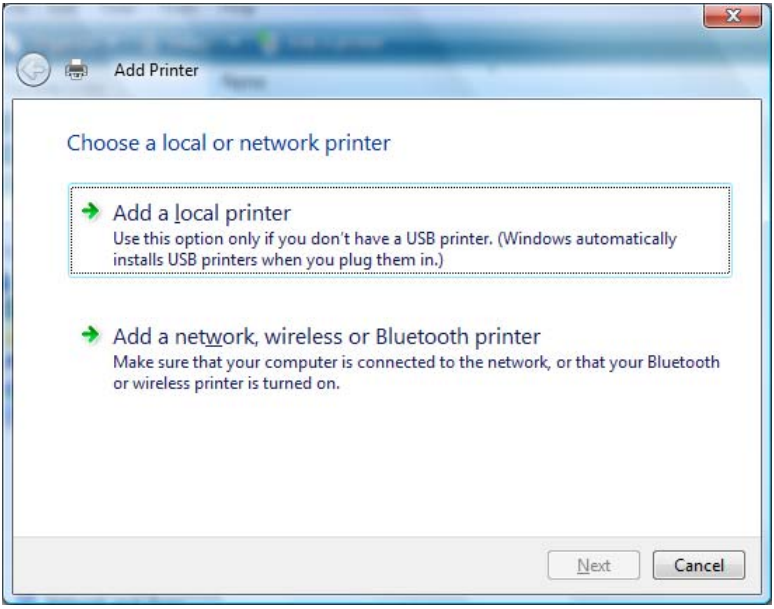
Before proceeding with the installation, be sure to exit all running applications.

1 Insert the Printer Driver CD-ROM in the CD/DVD-ROM drive of your computer.

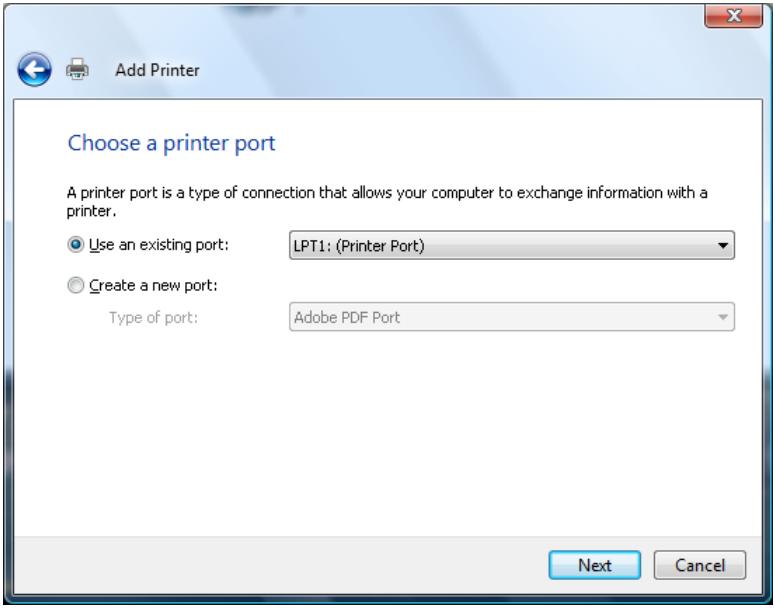
2 Click **Start**, click **Control Panel**, and then click **Printers**.

3 Click **Add a printer**.

4 In the dialog box click the **Add a local printer**.



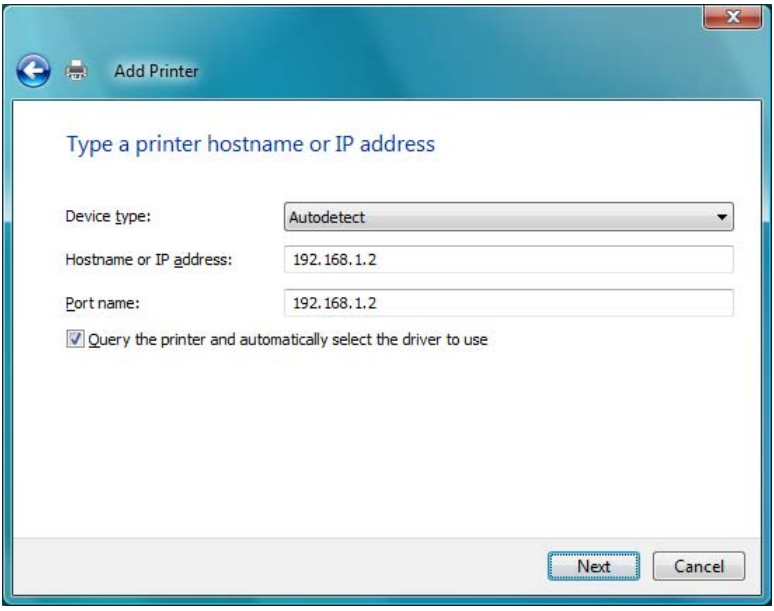
5 Select the connection type according to the environment.
For a local connection: Click **Use an existing port**, and then select LPT1 or USB001.
For a network connection: Click **Create a new port**, and then select Standard TCP/IP port.



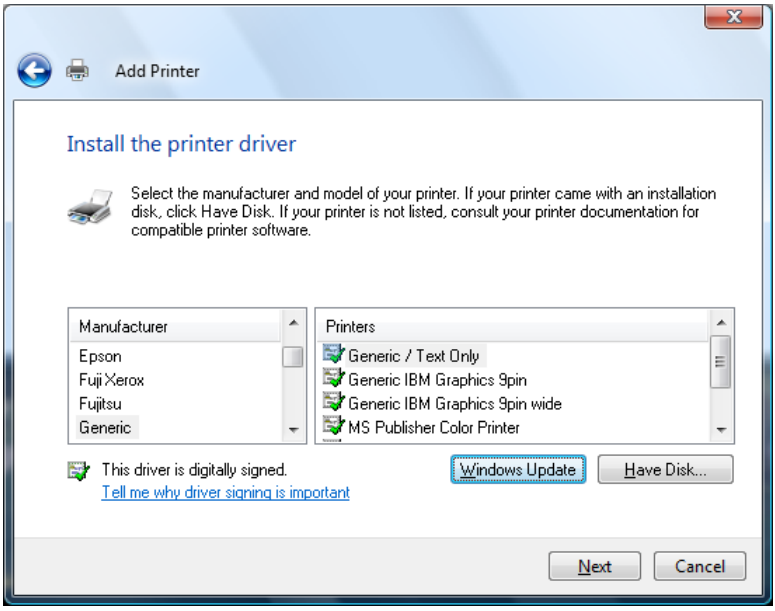
6 Click **Next**.

If a network connection was selected, continue with step 7. If a local connection was selected, continue with step 8.

7 Type the IP address for the printer in the **Hostname or IP address** text box, and then click **Next**.

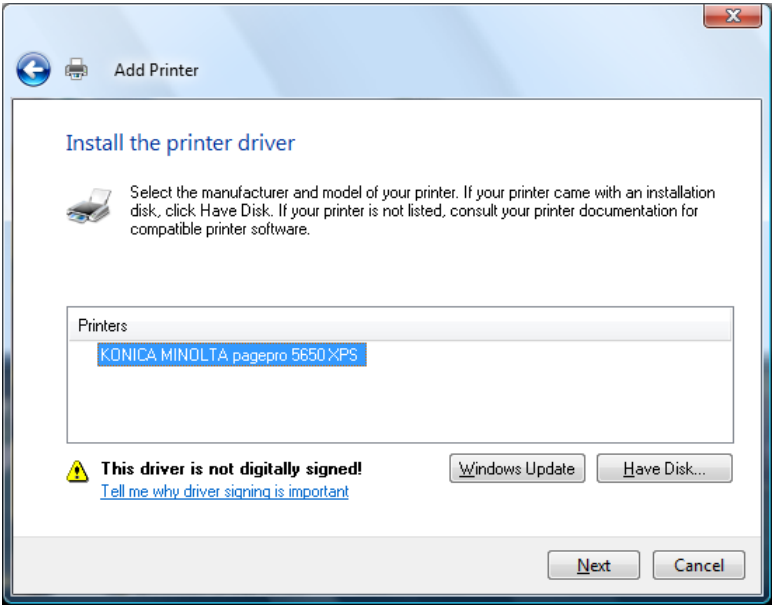


8 Choose **Have Disk**, locate the directory on the CD-ROM where the printer driver files are located, and then choose **OK**.

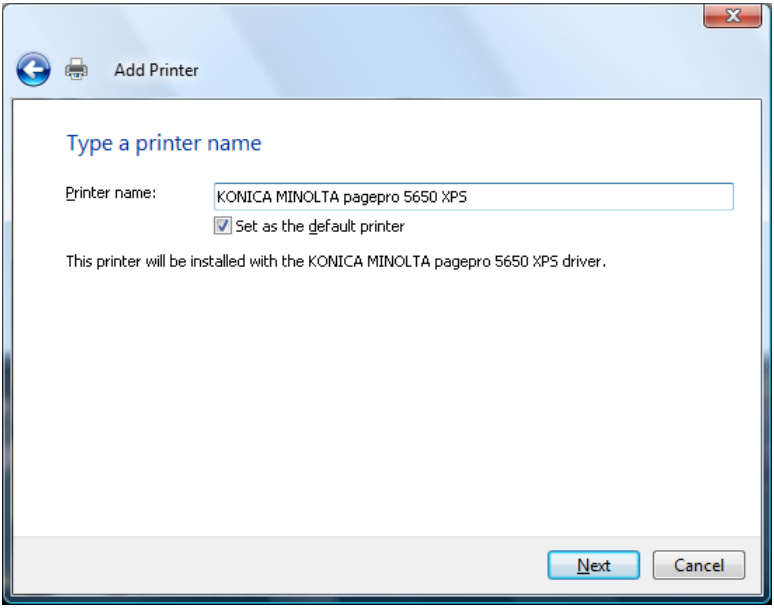


The XPS printer driver is available in the corresponding "Drivers\XPS\<language>" folder on the CD-ROM. Use the appropriate XPS printer driver for the language.

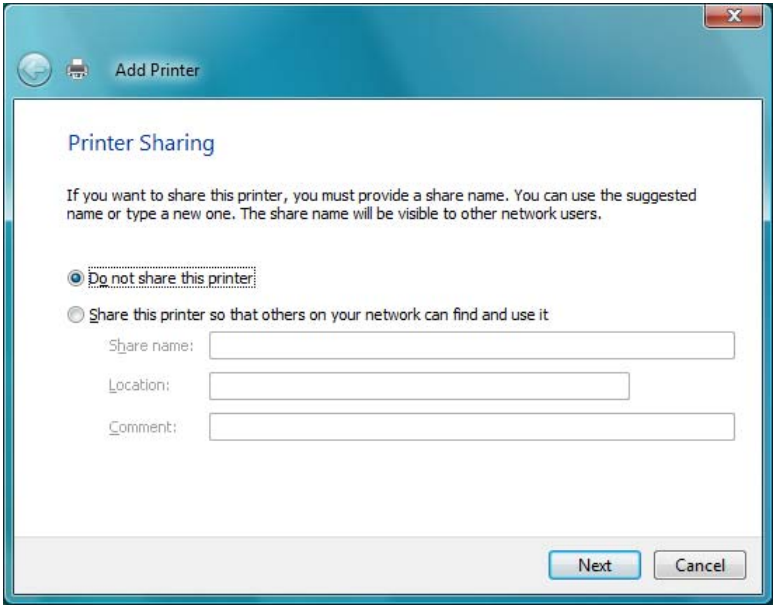
9 Click **Next**.



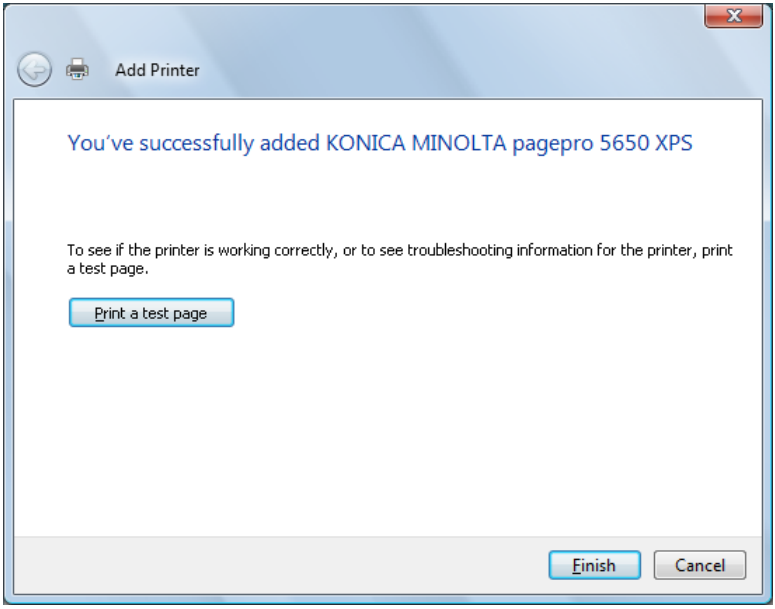
10 Click **Next**.



11 Select whether the printer driver is to be shared, and then click **Next**.



12 Click **Finish**.



This completes the installation of the printer driver.

Selecting Print Options/Defaults

You must have administrator privileges in order to install the printer driver

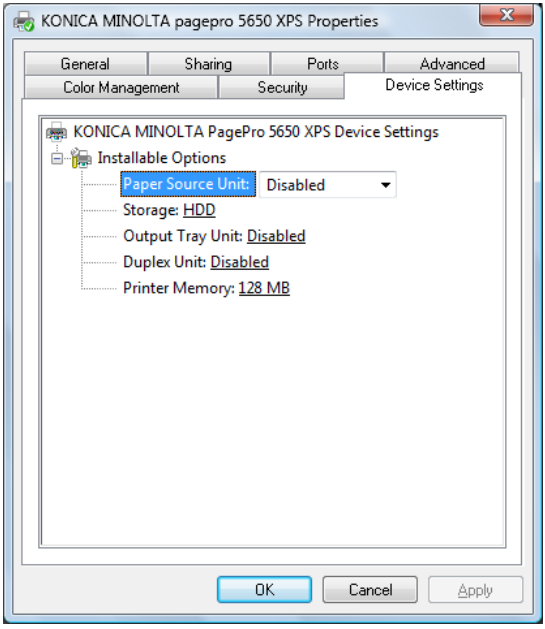
Before proceeding with the installation, be sure to exit all running applications.

1 Click **Start**, click **Control Panel**, and then click **Printers**.

2 Right-click the KONICA MINOLTA pp5650(4650) XPS printer icon, and then click **Properties**.

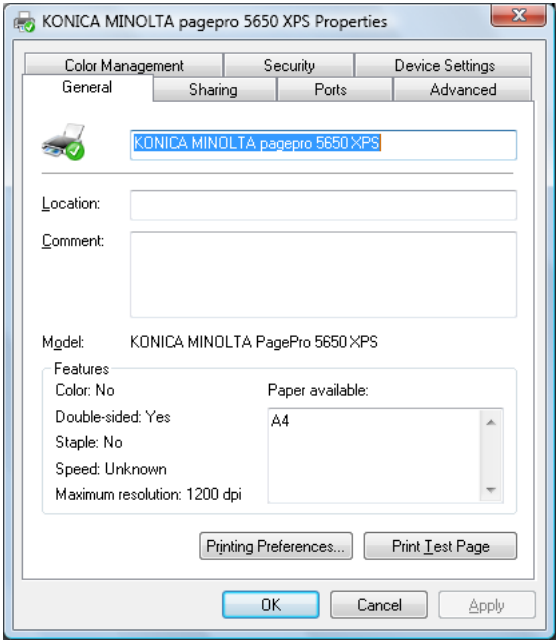
3 Select the **Device Settings** tab.

4 From the **Installable Options** list, select the appropriate settings in the **Paper Source Unit, Storage, Output Tray Unit, Duplex Unit,** and **Printer Memory** according to your printer setup.



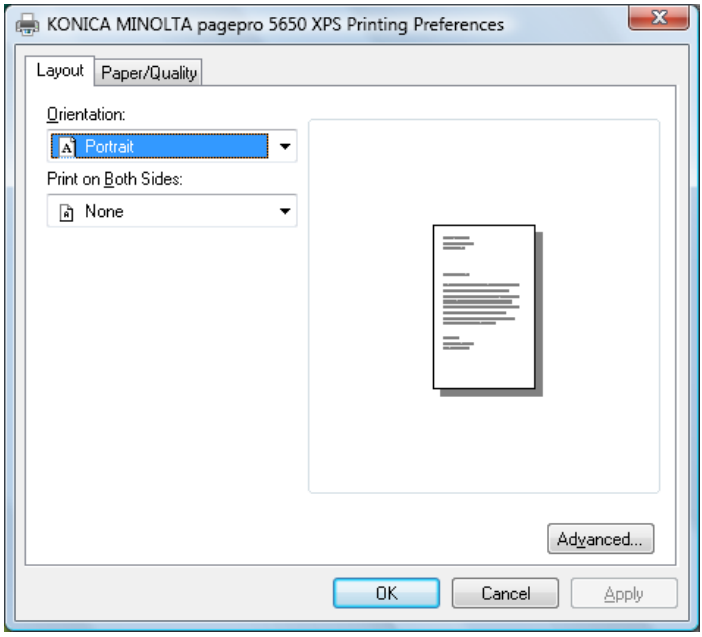
5 click **Apply**.

6 Select the **General** tab.



7 Click **Printing Preferences**.

8 Select the default settings for your printer, such as the default media format you use, on the appropriate tabs.



9 Click **Apply**.

10 Click **OK** to exit from the Print Preference dialog box.

11 Click **OK** to exit from the Properties dialog box.

Uninstalling the Printer Driver

1. Close all applications.
2. From the **Start** menu, click **Control Panel**, then **Printers**.
3. Right-click the KONICA MINOLTA pp5650(4650) XPS printer icon, and then click **Delete**.
4. Click **Yes** to verify the driver deletion.
5. Right-click in the Printer window, and then click **Server Properties**.
6. Click the **Drivers** tab.
7. From the **Installed printer drivers** list, select “KONICA MINOLTA pp5650(4650) XPS”, and then click **Remove**.
8. Select the deleting method, and then click **OK**.
9. Click **Yes**.
10. Click **Delete**.
11. Click **Close**.
12. Restart your computer.
    The KONICA MINOLTA pp5650(4650) XPS printer driver will be uninstalled from your computer.

Specifying Print Driver Settings

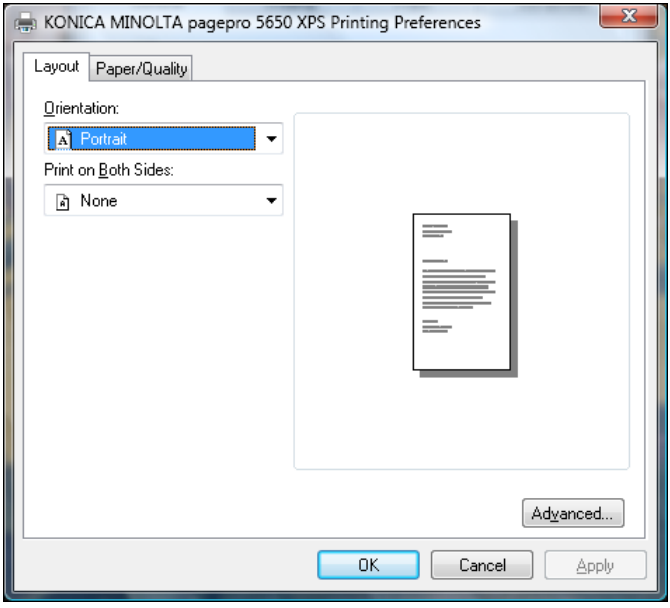
1 Click **Start**, click **Control Panel**, and then click **Printers**.

2 Right-click the KONICA MINOLTA pp4650 (5650) XPS printer icon, and then click **Printing Preferences**.

Common buttons

- OK
  Click to exit the Properties dialog box, saving any changes made.
- Cancel
  Click to exit the Properties dialog box without saving any changes made.
- Apply
  Click to save all changes without exiting the Properties dialog box.

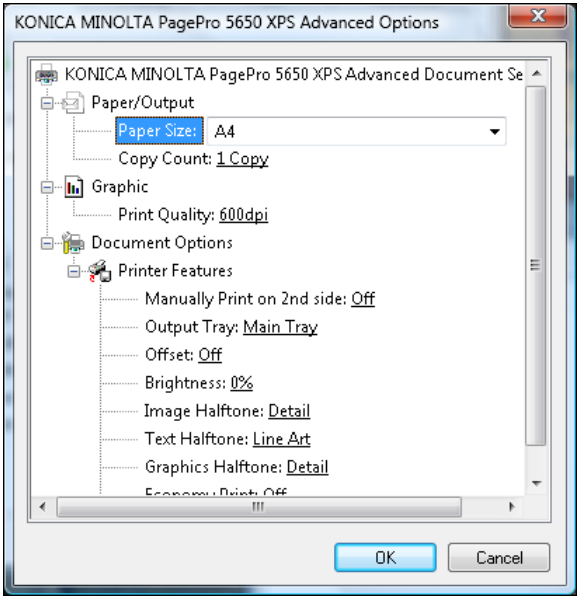
Layout



- Orientation
  Specify the orientation of the media.
- Print on Both Sides
  Select the desired setting for double-sided printing when the duplex is installed.

- Advanced
  Click this button to display the **Advanced Options** pane.

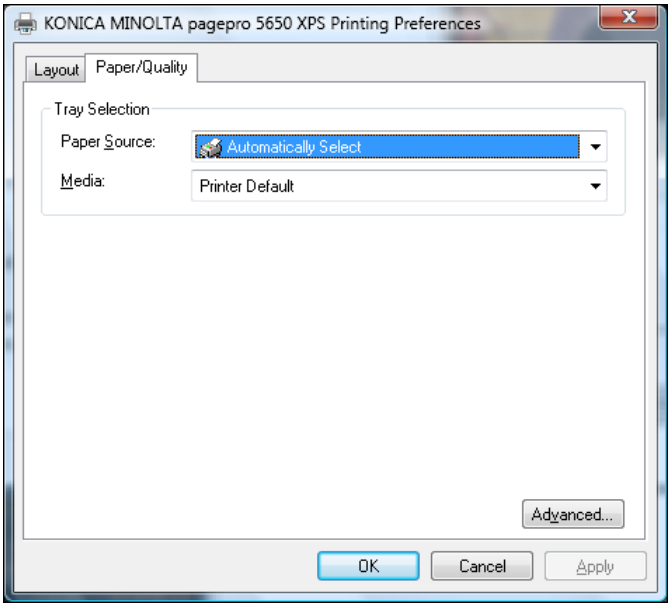
Advanced Options



- Paper Size
  Select the output media size.
- Copy Count
  Specify the number of copies.
- Print Quality
  Select the resolution of an image.
- Manually Print on 2nd side
  Print on the back side of paper that has already been printed on.
- Output Tray
  Select the output tray.
- Offset
  Select whether or not the offset printing is used.
- Brightness
  Control the darkness of an image.
- Image/Text/Graphics Halftone
  Select halftone for images/text/graphics.

- Economy Print
  Select whether or not economy printing is used.

Paper/Quality



- Paper Source
  Specify the paper source.
- Media
  Specify the type of media.

3 Operation on Linux

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements.

Operating systems	Red Hat Linux 9.0, SuSE Linux 8.2
Connecting the computer and printer	USB connection, Parallel connection, Network connection (10Base-T/100Base-TX/ 1000Base-T)
RAM	More than OS recommendation (128 MB or more is recommended)
Network	LPR (queue: lp, LP, default, DEFAULT)
	AppSocket/HP JetDirect
	IPP
Available hard disk space	256 MB or more

As an example, the descriptions of the operations for Red Hat 9.0 are provided in this chapter.

Installing PPD File From the Command Line

Before proceeding with the installation, be sure to exit all running applications.

Root privileges are required in order to install ppd file.

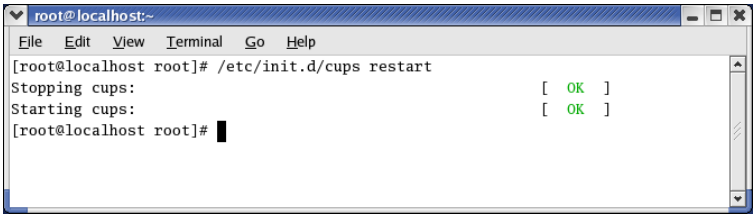
1 Copy the ppd file from the Printer Driver CD-ROM to the "/usr/share/cups/model/" on the computer.

A ppd file for each language is available in the corresponding "Drivers/LinuxPPD/<language>" folder on the CD-ROM. Use the appropriate ppd file for the language.

When printing from OpenOffice, use P5650(4650)opn.ppd. Otherwise, use P5650(4650)PX.ppd.
For details on the procedure for printing from OpenOffice, refer to "Example Using OpenOffice" on page 69.

2 From the Main Menu, select **System Tools**, then **Terminal**.

3 Enter the command "/etc/init.d/cups restart".



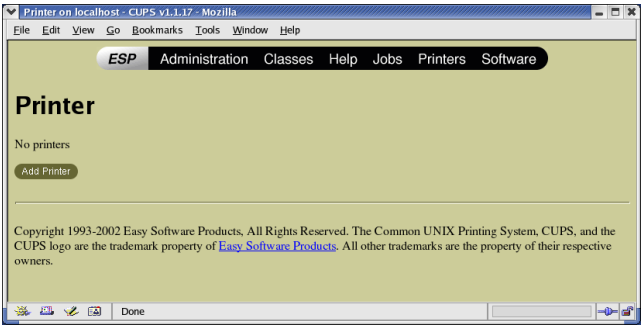
4 Quit Terminal.

Adding the Printer

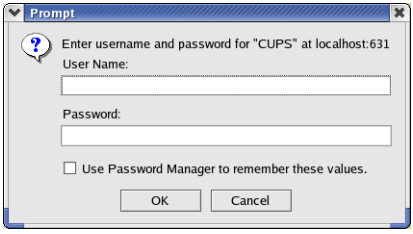
After copying the PPD file, be sure to restart CUPS.

1 Start up the Web browser.

2 Enter the URL “http://localhost:631”, and then click **Manage Printers**.
The CUPS Administration Web page appears.

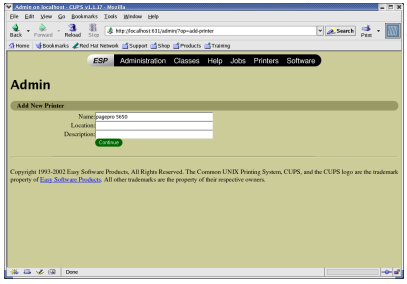


3 Click **Add Printer**.
A pop-up window appears.



4 Enter the user name and password for using root privileges, and then click **OK**.

5 Enter the printer name, location, and description, and then click **Continue**.

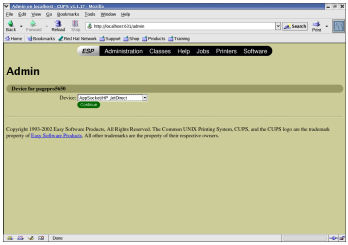


6 Select a Device Port from the Device list, then click **continue**.

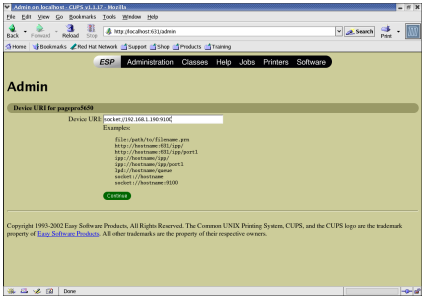
- TCP/IP: AppSocket/HP JetDirect, Internet Printing Protocol (http) or LPD/LPR Host or Printer

- USB: USB Printer #1

- Parallel: Parallel Port #1



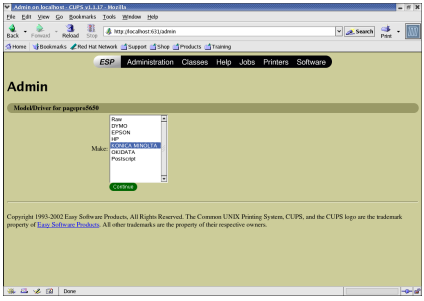
7 For a USB or parallel connection, skip to step 8. Enter the device URI in the following form: socket://<Printer IP or Printer Hostname>[:port]



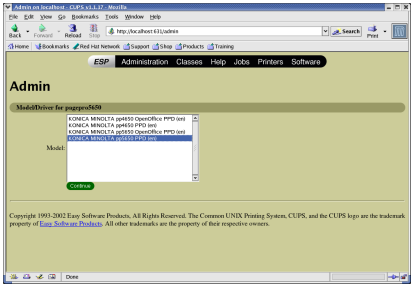
Example:
Using Printer IP - socket://192.168.1.190:9100
Using printer Hostname - socket://Hostname:9100
Hostname may be substituted by IP Address, and Port is optional.

8 Click **Continue**.

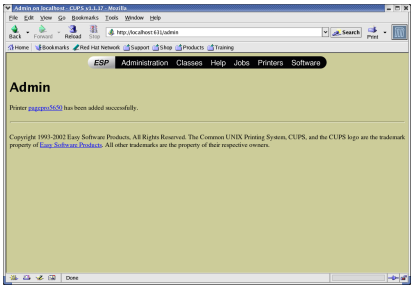
9 Select **KONICA MINOLTA**, click **Continue**.



10 Select **KONICA MINOLTA pp5650(4650) PPD (en)**, then click **Continue**.



The following message appears.

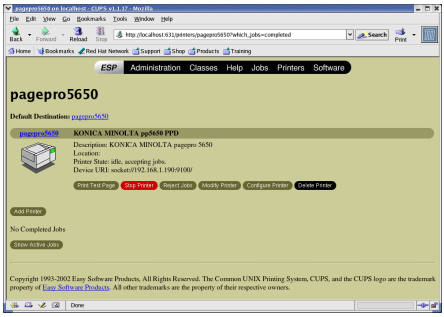


Specifying Printer Driver Settings

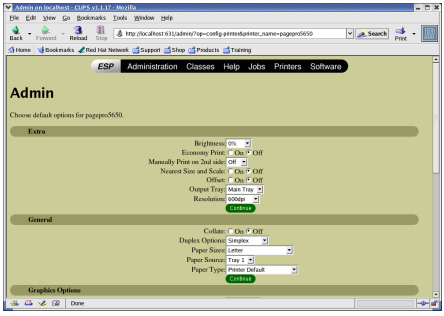
Displaying the Settings Page

1 Start up the Web browser.

2 Enter the URL “http://local-host:631”, and then click **Manage Printers**. ***Printer on localhost.local-domain*** *window appears.*



3 Click **Configure Printer**. *The printer driver settings page appears.*



Printer Driver Settings

Extra

Parameters	Settings
Brightness	Specifies the brightness of the image as **-15%**, **-10%**, **-5%**, **0%**, **5%**, **10%**, or **15%**. ■ The default setting is **0%**.
Economy Print	Select whether or not economy printing is used. ■ The default setting is **Off**.
Manually Print on 2nd side	Select whether or not to print on the back side of paper that has already been printed on. ■ The default setting is **Off**.
Nearest Size and Scale	If no paper tray contains paper of the specified size, the page is automatically enlarged or reduced and paper of the most appropriate size is selected. ■ The default setting is **Off**.
Offset	Select whether or not printed pages are sorted. ■ The default setting is **Off**.
Output Tray	Select the output tray for the optional offset tray. ■ The default setting is **Main Tray**.
Resolution	Select the image resolution for printing as 600dpi or 1200dpi. Default: 600dpi

General

Parameters	Settings
Collate	If **On** is selected, all pages in the documents are printed as sets of printouts. ■ The default setting is **Off**.

Parameters	Settings
Duplex Options	Specifies the duplex print binding position as **Simplex**, **Long Edge**, or **Short Edge**. ■ The default setting is **Simplex**
Paper Sizes	Specifies the paper size. An irregular paper size cannot be selected.
Paper Source	Specifies the paper source as **Tray 1**, **Tray 2**, **Tray 3**, **Tray 4**, or **Auto**. ■ The default setting is **Tray 1**.
Paper Type	Specifies the paper type as **Printer Default**, **Plain Paper**, **Recycled**, **Transparency**, **Label**, **Thick 1 (106 - 159g/m2)**, **Thick 2 (160-216g/m2)**, **Thick 3 (106 - 216g/m2)**, **Envelope**, **Postcard**, **or Thin Paper (64 - 67g/m2)**. ■ The default setting is **Printer Default**. *Thick 3 and Thin Paper are selectable for pagepro 5650EN only.*

Graphics Options

Parameters	Settings
Graphics Halftone	Specifies the halftone for graphic as **Line Art**, **Detail** or **Smooth**. ■ The default setting is **Detail**.

Image Options

Parameters	Settings
Image Halftone	Specifies the halftone for image as **Line Art**, **Detail**, or **Smooth**. ■ The default setting is **Detail**.

Options Installed

Parameters	Settings
Duplex Unit	Select **Enable** if the optional duplexing unit for the printer has been installed. ■ The default setting is **Disable**.
Finisher	Select **Enabled** if the output tray unit (finisher) is installed. Select **Disabled** if it is not installed. ■ The default setting is **Disabled**.
Paper Source Unit	Select **Unit 3** or **Unit 3 + Unit 4** if the optional trays for the printer have been installed. ■ The default setting is **Disable**.
Printer Memory	Select **128 MB, 256 MB** or **384 MB** if the optional memory for the printer has been installed. ■ The default setting is **128 MB**.
Storage	Select **None**, **CF (1GB Under)**, **CF (1GB Over)** or **HDD** for the storage unit that is installed. ■ The default setting is **None**.

Text Options

Parameters	Settings
Text Halftone	Specifies the halftone for text as **Line Art**, **Detail**, or **Smooth**. ■ The default setting is **Line Art**.

Banners

Parameters	Settings
Starting Banner	Specifies the starting banner as **none**, **classified**, **confidential**, **secret**, **standard**, **topsecret**, or **unclassified**. ■ The default setting is **none**.

Parameters	Settings
Ending Banner	Specifies the ending banner as **none**, **classified**, **confidential**, **secret**, **standard**, **topsecret**, or **unclassified**. ■ The default setting is **none**.

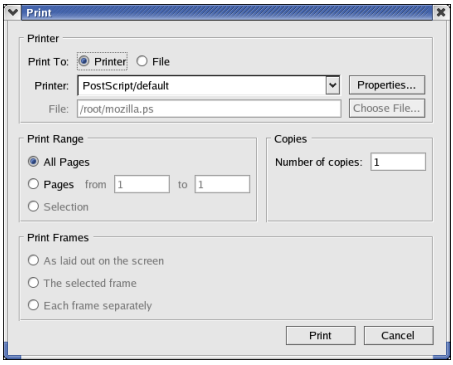
Printing a Document

The contents and available options that appear in the print dialog box may vary depending on the application being used.

Example Using LPR Command

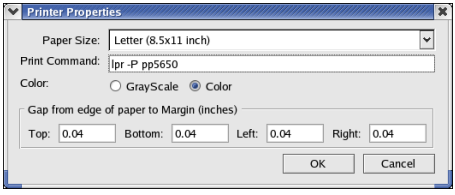
With applications other than OpenOffice, the following print dialog box appears.

1 Click **Properties** in the Print dialog box.



2 The Print Properties dialog box appears.

3 Enter the command “lpr -P” followed by the name of the printer, and then click **OK**. The Print dialog box appears again.



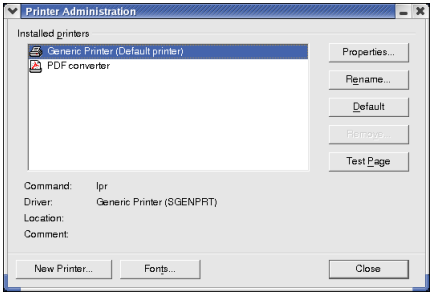
4 Click **Print** to print the document.

Example Using OpenOffice

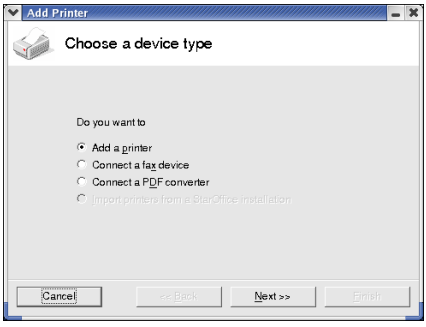
The procedure for printing on Red Hat 9 with OpenOffice 1.0.2 is described below. The following procedure or some steps may be different depending on the version of the operating system being used.

First, use P5650(4650)PX.ppd to add the printer to the system. For details on adding a printer to the system, refer to "Installing PPD File From the Command Line" on page 59.

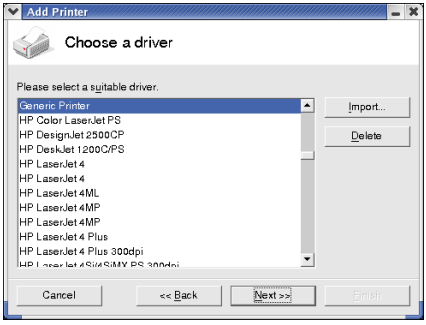
1 From the main menu, select **Office**, then **OpenOffice.org Printer Setup**.
The printer Administration dialog box appears.



2 Click **New Printer**.
The Add Printer dialog box appears.



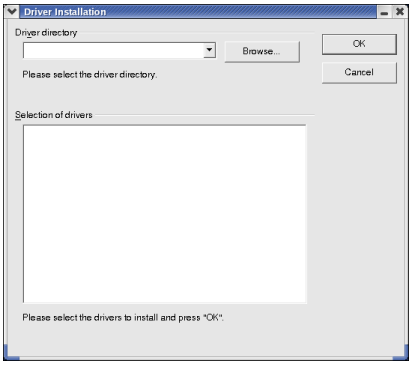
3 Check that **Add a printer** is selected, and then click **Next**.
The printer selection list appears.



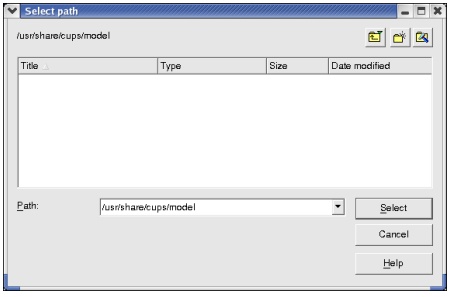
4 Click **Import**.

Driver Installation dialog box appears.

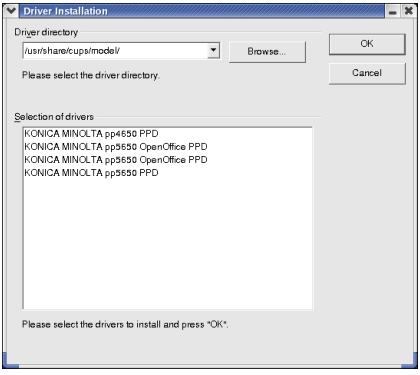
5 Click **Browse**.



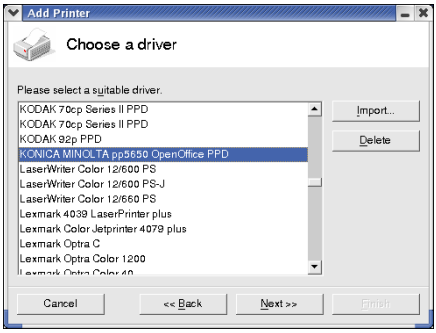
6 In the Path, enter “usr/share/cups/model/”, and then click **Select**.



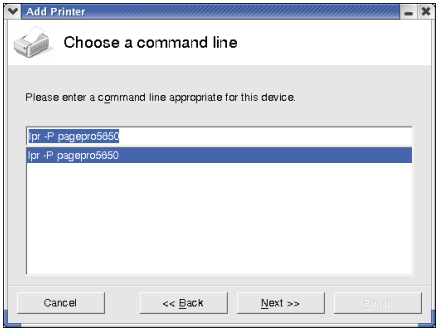
7 In the Selection of drivers list, select **KONICA MINOLTA pp5650(4650) OpenOffice PPD**, and then click **OK**.



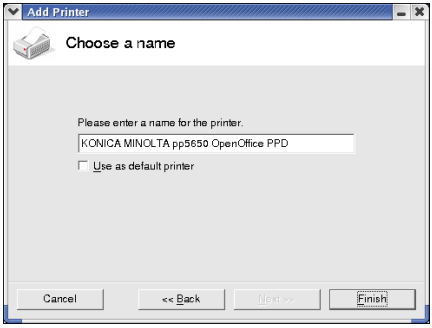
8 In the Please select a suitable driver list, select **KONICA MINOLTA pp5650(4650) OpenOffice PPD**, then click **Next**.



9 Select the command to be displayed in the list, then click **Next**.



10 Change the printer name.

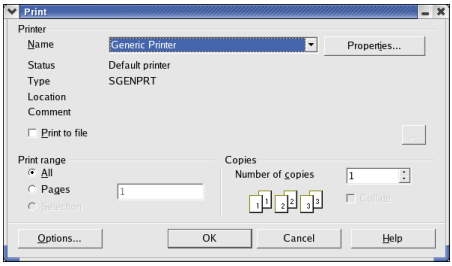


11 Click **Finish**. The Printer Administration dialog box appears again.

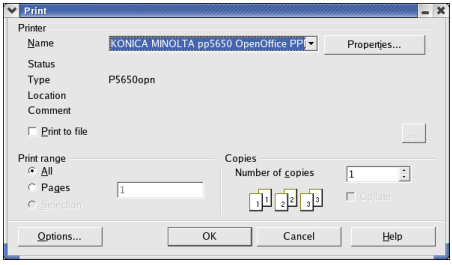
12 Click **Close**.

13 From the main menu, select **Office**, then **OpenOffice.org Writer**.

14 Click **Print** in the **File** menu.
The Print dialog box appears.



15 Select the name of the printer specified in the **OpenOffice** printer settings.



16 Click **OK**.

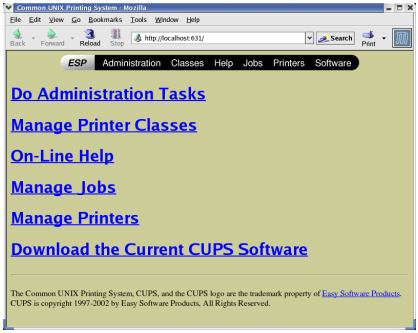
The kprinter Print dialog box appears.

Checking Print Jobs

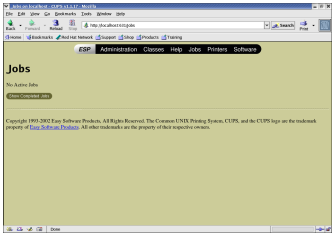
You can check the status of print jobs from a Web browser.

1 Start up the Web browser.

2 Enter the URL “http://local-host:631”.
The CUPS Administration Web page appears.



3 Click **Manage Jobs**.
A list of the currently active print jobs appear.



*To check the status of completed print jobs, click **Show Complete Jobs**.*

Troubleshooting

Symptom	Action
The printer stops because of a paper size error or a paper type error.	The job may have been sent with a prohibited combination of settings (for example, for the paper size and media type). Printing is not possible with postcards or overhead projector transparencies if **Plain Paper** is selected.
Printing does not continue with a custom paper size.	Printing with custom paper sizes is not possible directly from the printer driver. This can only be performed from the command line. Specify the following command to print data. lpr -P *[printer_name]* -o media=Custom.[WIDTHxLENGTH] *[file_name]* 1. Format of Custom. [WIDTHxLENGTH]: Custom.150x200mm, Custom.8x11in, Custom.15x20cm, or Custom.612x782 (postscript points) 2. The specified file must be a PS, PDF or JPEG file.
Printing cannot be completed correctly from OpenOffice or any other Office application (such as, Kword).	Applications running under Linux have their own print settings. Some of these functions may not be supported by this printer. Observe the following for best printing results. ■ Settings made within the application: Paper size and orientation ■ Settings made with the printer driver (kprinter): Settings other than those specified above (for example, paper type, tray, and resolution)
When printing from Acrobat Reader, part of the image is printed in solid black or the job is interrupted.	There is a compatibility problem between Ghostscript and Acrobat Reader. Try using a different PDF application.
Watermarks cannot be printed from Kword.	This is a bug with Kword. Use Overlay instead.

4

Operation on NetWare

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	Bindery/NDS	Pserver/Nprinter
NetWare 5.x/6	IPX	NDS	Pserver
	TCP/IP	NDPS(lpr)	

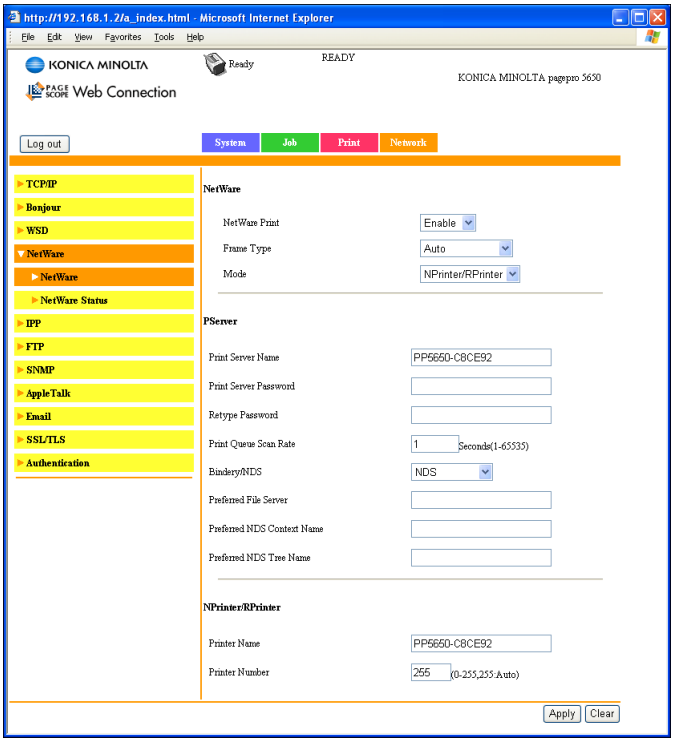
For Remote Printer Mode With NetWare 4.x Bindery Emulation

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

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

7 In Administrator mode of PageScope Web Connection, select **Net Ware** from the **Network** tab, and then specify the following settings.



- Netware Print: Select **Enable**.
- Frame Type:
  Select **Auto**. (Select the frame type according to the network environment.)
- Mode: Select **NPrinter/RPrinter**.
- Printer Name:
  Specify the printer name. (Default: PP4650-XXXXXX or PP5650-XXXXXX)
- Printer Number:
  Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.

8 Restart the printer (turn the printer off, then on again).

9 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).

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.

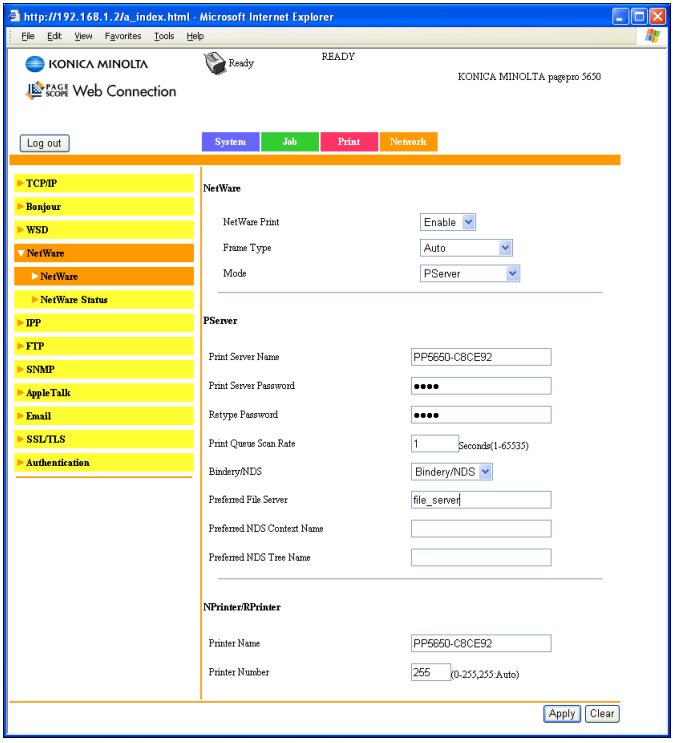
2 Start up Pconsole.

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 **NetWare**. from the **Network** tab, and then specify the following settings.



– Netware Print: Select **Enable**.

- Frame Type:
  Select **Auto**. (Select the frame type according to the network environment.)
- Mode: Select **PServer**.
- Print Server Name:
  Specify the print server name created in step 4.
- Print Server Password:
  Specify only when setting from the NetWare server.
- Print Queue Scan Rate: Specify 1. (Change as necessary.)
- Bindery/NDS: Select **Bindery/NDS**.
- Preferred File Server:
  Specify the name of the file server that connects to the Pserver.

7 Restart the printer (turn the printer 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.

For NetWare 4.x Remote Printer Mode (NDS)

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

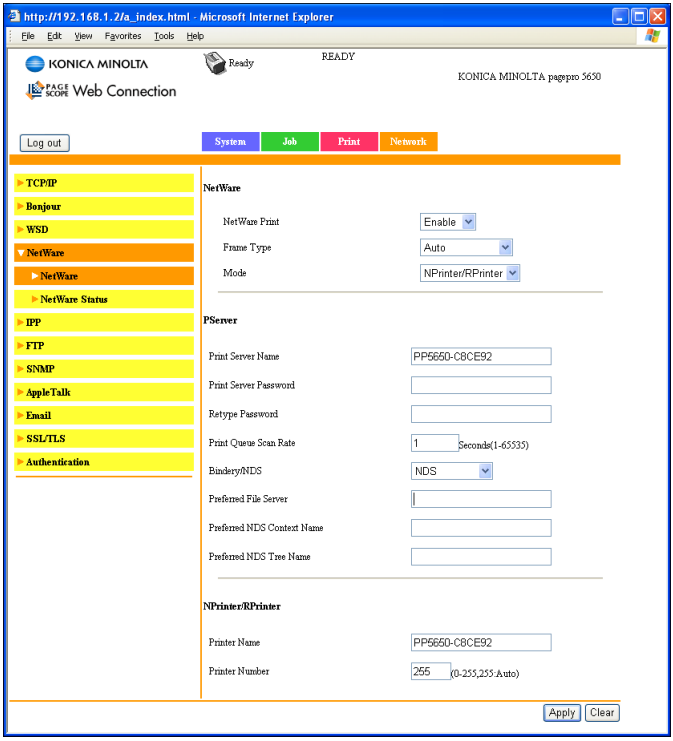
2 Start up NWadmin.

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.

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

5 In Administrator mode of PageScope Web Connection, select **NetWare** from the **Network** tab, and then specify the following settings.



- Netware Print: Select **Enable**.
- Frame Type:
  Select **Auto**. (Select the frame type according to the network environment.)
- Mode: Select **NPrinter/RPrinter**.
- Printer Name:
  Specify the printer name. (Default: PP4650-XXXXXX or PP5650-XXXXXX)
- Printer Number:
  Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.

6 Restart the printer (turn the printer off, then on again)

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

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

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

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

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

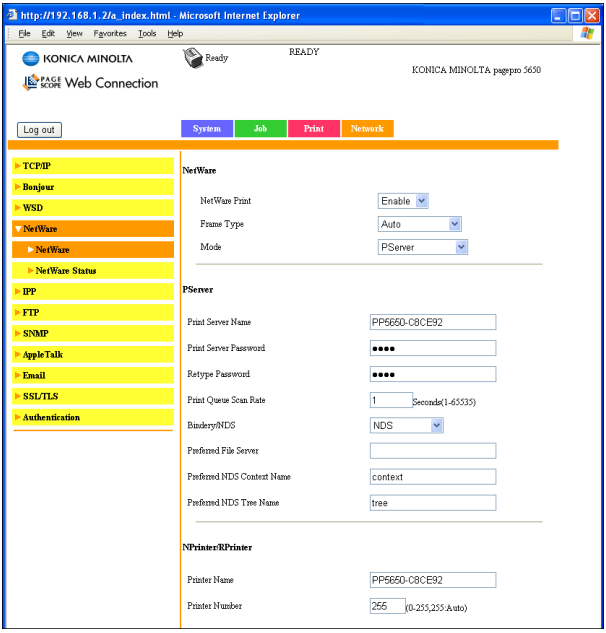
2 Start up NWadmin.

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.

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

5 In Administrator mode of PageScope Web Connection, select **NetWare** from the **Network** tab, and then specify the following settings.



- Netware Print: Select **Enable**.
- Frame Type:
  Select **Auto**. (Select the frame type according to the network environment.)
- Mode: Select **PServer**.
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the Net-Ware server.
- Print Queue Scan Rate: Specify 1. (Change as necessary.)
- Bindery/NDS: Select **NDS**.
- Preferred NDS Context Name:
  Specify the name of the context that connects to Pserver.
- Preferred NDS Tree Name:
  Specify the name of the tree that Pserver logs on to.

6 Restart the printer (turn the printer off, then on again).

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

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

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** submenu.

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 the **Gateway Types**, select **Novell Printer Gateway**, and then register it.

8 In the Configure Novell PDS 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.

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 2000, click the [Start] button, point to **Settings,** and then click **Printers**.
For Windows Vista, click [Start] button, select **Control Panel**, and then click **Hardware and Sound** to select **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 2000/Server 2003, double-click the **Add Printer** icon.
For Windows Vista, click **Add a printer** on the menu.
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 printer driver for the operating system and printer driver to be used

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

5

Printer Utilities

Installing Printer Utilities on Windows

You must have administrator privileges in order to install the Printer Utilities.

Before proceeding with the installation, be sure to exit all running applications.

The following procedure describes how to install the Printer Utilities.

End User Tools

- Status Monitor
- PageScope Direct Print

Administration Tools

- PageScope Plug and Print
- PageScope Net Care
- PageScope Network Setup

Operation Tools

- Download Manager

1 Insert “Utilities & Documentation” CD-ROM in your CD/DVD-ROM drive.

2 Select the type of tools from “End User Tools” , “Administration Tools” and “Operation Tools”.

3 From the Tools dialogs, select the utilities to be installed.

4 From Utility dialogs, select “Install”.

Click "Back" button to display previous page.

Click "Top Menu" button to display top page.

5 Follow the onscreen instructions to complete the installation.

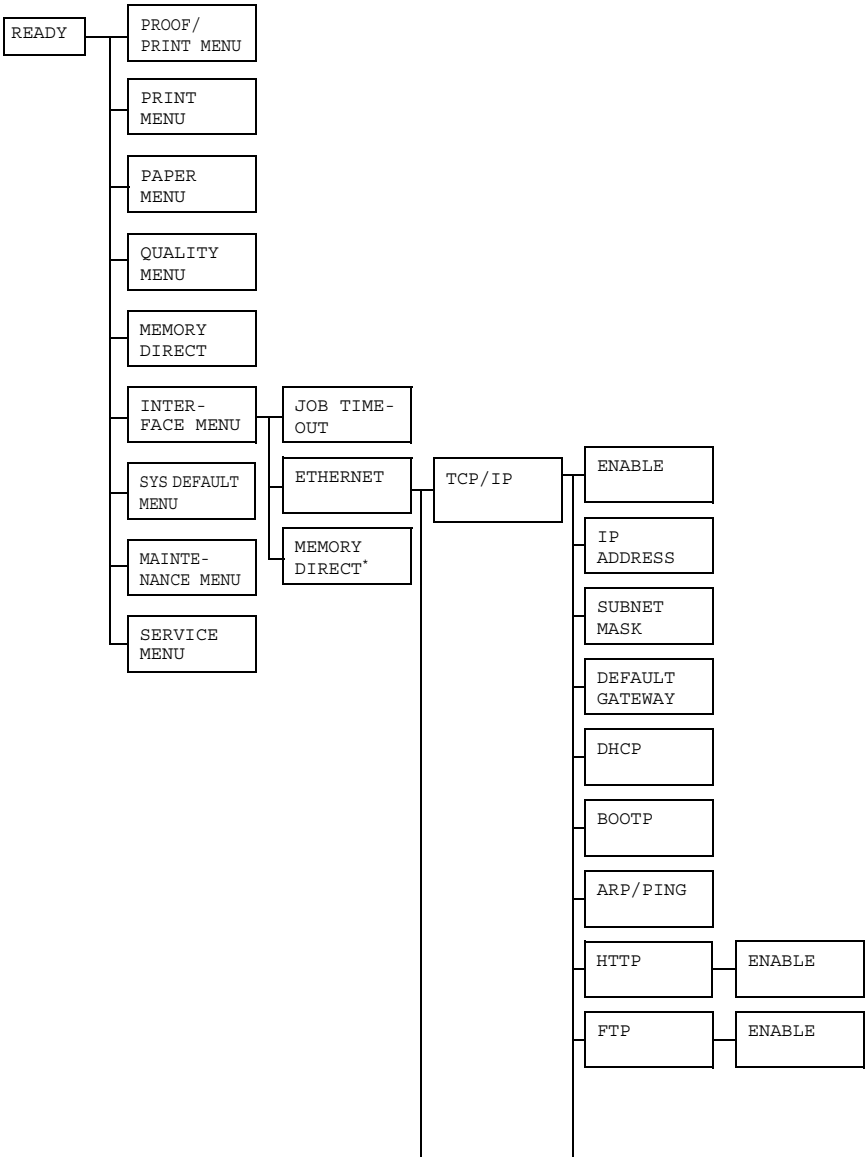
6 After the installation is complete, remove the Utilities & Documentation CD-ROM from your CD/DVD-ROM drive and store it in a safe place.

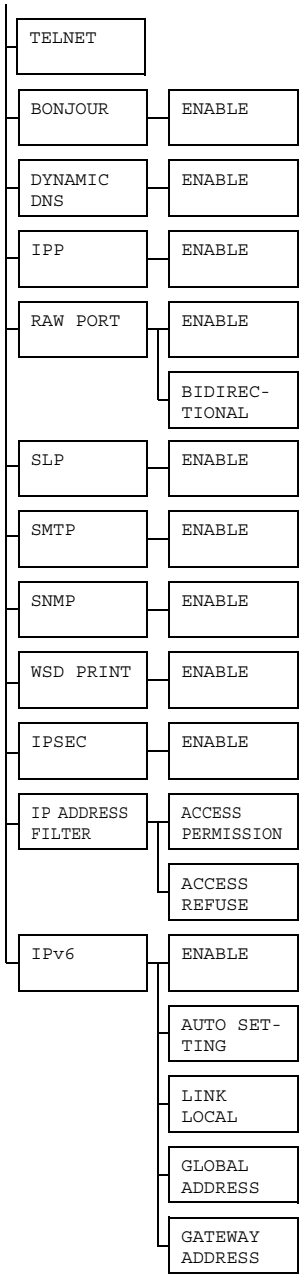
6

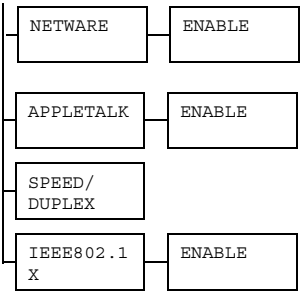
Understanding the Ethernet Configuration Menus

Ethernet Menu

Location within the Configuration Menu




TELNET
BONJOUR
ENABLE
DYNAMIC DNS
ENABLE
IPP
ENABLE
RAW PORT
ENABLE
BIDIREC-TIONAL
SLP
ENABLE
SMTP
ENABLE
SNMP
ENABLE
WSD PRINT
ENABLE
IPSEC
ENABLE
IP ADDRESS FILTER
ACCESS PERMISSION
ACCESS REFUSE
IPv6
ENABLE
AUTO SET-TING
LINK LOCAL
GLOBAL ADDRESS
GATEWAY ADDRESS



** This menu item appears only if the optional hard disk kit or a CompactFlash card is installed.*

Accessing the Ethernet Menu

Use the following series of keystrokes at the printer to access the Ethernet menu options on your printer. This menu provides access to all of the configurable network items.

Press this key . . .	**(until) the message window reads.** . .
* Menu Select ↵	PROOF/PRINT MENU or if no optional hard disk kit is installed: PRINT MENU
▽	INTERFACE MENU
* Menu Select ↵	JOB TIMEOUT
▽	ETHERNET
* Menu Select ↵	TCP/IP

The printer automatically reboots when the following Ethernet settings are changed:

- TCP/IP - ENABLE
- DHCP (OFF→ON)
- BOOTP (OFF→ON)
- ARP/PING (OFF→ON)
- IPP - ENABLE
- SLP - ENABLE
- SNMP - ENABLE
- IPv6 - ENABLE
- IPv6 - AUTO SETTING (NO→YES)

- NETWARE - ENABLE
- IEEE802.1X - ENABLE

Using the Network Menu Options

If the printer is connected to a network, the following settings should be specified. For details about each setting, contact your network administrator.

When manually setting the IP address, Subnet Mask, and Gateway turn off DHCP, BOOTP, or ARP/PING first.

For details on specific terms used in the Ethernet menu, refer to "Network Printing" on page 111.

TCP/IP

ENABLE

Purpose	Enables or disables TCP/IP. If YES is selected, TCP/IP is enabled. If NO is selected, TCP/IP is disabled.
Options	YES NO
Default	YES

IP ADDRESS

Purpose	Sets the IP address of this printer on the network.
Range	0–255 for each *xxx* triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	000.000.000.000

SUBNET MASK

Purpose	Sets the subnet mask value of the network. The subnet mask allows you to limit access to your printer (for example, according to departmental divisions).
Range	0–255 for each *xxx* triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	255.255.000.000

DEFAULT GATEWAY

Purpose	Sets the address of the router/gateway if a router/gateway is used on your network and you allow users outside your network environment to print on your printer.
Range	0–255 for each *xxx* triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	000.000.000.000

DHCP

Purpose	If there is a DHCP server on the network, specifies whether the IP address and other network information is automatically assigned by the DHCP server.
Options	ON OFF
Default	ON

BOOTP

Purpose	If there is a BOOTP server on the network, specifies whether the IP address and other network information is automatically assigned by the BOOTP server.
Options	ON OFF
Default	OFF

ARP/PING

Purpose	Select whether or not the IP address is automatically acquired. If ON is selected, the IP address is automatically acquired. If OFF is selected, the IP address is not automatically acquired.
Options	ON OFF
Default	OFF

HTTP

ENABLE

Purpose	Select whether or not to enable HTTP. When YES is selected, HTTP is enabled. When NO is selected, HTTP is disabled.
Options	YES NO
Default	YES

FTP

ENABLE

Purpose	Select whether or not to enable FTP. When YES is selected, FTP is enabled. When NO is selected, FTP is disabled.
Options	YES NO
Default	YES

TELNET

Purpose	Select whether to enable or disable Telnet transmissions. When ENABLE is selected, Telnet transmissions are enabled. When DISABLE is selected, Telnet transmissions are disabled.
Options	ENABLE DISABLE
Default	ENABLE

BONJOUR

ENABLE

Purpose	Select whether or not to enable Bonjour. When YES is selected, Bonjour is enabled. When NO is selected, Bonjour is disabled.
Options	YES NO
Default	YES

DYNAMIC DNS

ENABLE

Purpose	Select whether or not to enable Dynamic DNS. When YES is selected, Dynamic DNS is enabled. When NO is selected, Dynamic DNS is disabled.
Options	YES NO
Default	NO

IPP

ENABLE

Purpose	Select whether or not to enable IPP. When YES is selected, IPP is enabled. When NO is selected, IPP is disabled.
Options	YES NO
Default	YES

RAW PORT

ENABLE

Purpose	Select whether or not to enable Raw port. If YES is selected, Raw port is enabled. If NO is selected, Raw port is disabled.
Options	YES NO
Default	YES

BIDIRECTIONAL

Purpose	Select whether or not to enable BIDIRECTIONAL. If ON is selected, Raw port is enabled for bi-directional communication. If OFF is selected, Raw port is disabled for bi-directional communication.
Options	ON OFF
Default	OFF

SLP

ENABLE

Purpose	Select whether or not to enable SLP. If YES is selected, SLP is enabled. If NO is selected, SLP is disabled.
Options	YES NO
Default	YES

SMTP

ENABLE

Purpose	Select whether or not to enable SMTP. If YES is selected, SMTP is enabled. If NO is selected, SMTP is disabled.
Options	YES NO
Default	YES

SNMP

ENABLE

Purpose	Select whether or not to enable SNMP. If YES is selected, SNMP is enabled. If NO is selected, SNMP is disabled.
Options	YES NO
Default	YES

WSD PRINT

ENABLE

Purpose	Select whether or not to enable WSD print. If YES is selected, WSD print is enabled. If NO is selected, WSD print is disabled.
Options	YES NO
Default	YES

IPSEC

ENABLE

Purpose	Select whether or not to enable IPsec. If YES is selected, IPsec is enabled. If NO is selected, IPsec is disabled.
Options	YES NO
Default	NO

IP ADDRESS FILTER

ACCESS PERMISSION

Purpose	Select whether or not to enable Access Permission transmissions. When ENABLE is selected, Access Permission transmissions is enabled. When DISABLE is selected, Access Permission transmissions is disabled.
Options	ENABLE DISABLE
Default	DISABLE

ACCESS REFUSE

Purpose	Select whether or not to enable Access Refuse transmissions. When ENABLE is selected, Access Refuse transmissions is enabled. When DISABLE is selected, Access Refuse transmissions is disabled.
Options	ENABLE DISABLE
Default	DISABLE

IPv6

ENABLE

Purpose	Select whether or not to enable IPv6. If YES is selected, IPv6 is enabled. If NO is selected, IPv6 is disabled.
Options	YES NO
Default	YES

AUTO SETTING

Purpose	Select whether or not to enable IPv6 auto configuration. If YES is selected, IPv6 auto configuration is enabled. If NO is selected, IPv6 auto configuration is disabled.
Options	YES NO
Default	YES

LINK LOCAL

Purpose	Displays the link-local address of IPv6.

GLOBAL ADDRESS

Purpose	Displays the global address of IPv6.

GATEWAY ADDRESS

Purpose	Displays the gateway address of IPv6.

NETWARE

ENABLE

Purpose	Enables or disables NetWare. If YES is selected, NetWare is enabled. If NO is selected, NetWare is disabled.
Options	YES NO
Default	NO

APPLETALK

ENABLE

Purpose	Enables or disables AppleTalk. If YES is selected, AppleTalk is enabled. If NO is selected, AppleTalk is disabled.
Options	YES NO
Default	YES

SPEED/DUPLEX

Purpose	Specifies the transmission speed for the network and the transmission method for bi-directional transmission.
Options	AUTO 10BASE FULL 10BASE HALF 100BASE FULL 100BASE HALF 1000BASE FULL
Default	AUTO

IEEE802.1X

ENABLE

Purpose	Select whether or not to enable IEEE802.1X. If YES is selected, IEEE802.1X is enabled. If NO is selected, IEEE802.1X is disabled.
Options	YES NO
Default	NO

7

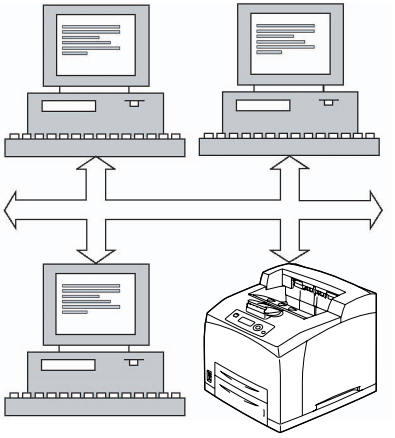
Network Printing

Network Connection

Theory

To connect your printer in a TCP/IP network environment, you must make sure that the internal network addresses in the printer have been set.

In many cases, you have to enter only a unique IP address. However, you may also have to enter a subnet mask and/or a gateway (router) address, depending on your network configuration requirements.



Making the Connection

Ethernet Interface

An RJ45 connector can be used as the Ethernet interface for this printer.

When connecting your printer to an Ethernet network, the tasks you perform depend on how you plan to set the printer's IP (Internet Protocol) address. Printers are shipped with a preset IP address, subnet mask, and gateway.

- **IP Address**—A unique identifier for each device on a TCP/IP network.
- **Subnet Mask**—A filter used to determine what subnet an IP address belongs to.
- **Gateway**—A node on a network that serves as an entrance to another network.

Since the IP address for each PC and printer on your network must be unique, you usually need to modify this preset address so it doesn't conflict with any other IP address or your network or any attached network. You can do this in one of two ways. Each is explained in detail in the following sections.

- Using DHCP
- Setting the IP address manually

Using DHCP

If your network supports DHCP (Dynamic Host Configuration Protocol), the printer's IP address will be automatically assigned by the DHCP server when you turn on the printer. (Refer to "Network Printing" on page 111 for a description of DHCP.)

If your printer is not automatically assigned an IP address, verify that DHCP is enabled on the printer (PRINT MENU - CONFIGURATION PG). If it is not enabled, you can enable it in the INTERFACE MENU - ETHERNET - TCP/IP - DHCP menu.

1 Connect your printer to the network.

When using an Ethernet cable, plug the RJ45 connector into the Ethernet interface port of the printer.

2 Turn on your PC and printer.

3 When the printer's message window displays READY, print a configuration page to verify that the IP address is set.

Press this key . . .	(until) the message window displays . . .
	READY
* Menu Select ↵	RPOOF/PRINT MENU or if no optional hard disk kit is installed: PRINT MENU
▽	PRINT MENU
* Menu Select ↵	CONFIGURATION PG
* Menu Select ↵	PRINT

4 Install the printer driver and utilities.

If the printer cannot be connected to a DHCP server, an IP address within the range between 169.254.0.0 and 169.254.255.255 is automatically set.

Setting the IP Address Manually

You may also manually set the printer's IP address, subnet mask, and gateway by following the instruction below. (See chapter 6, “Understanding the Ethernet Configuration Menus,” for more information.)

When manually setting the IP address, turn off DHCP, BOOTP, or ARP /PING first. In addition, when the IP address is changed, add a new port or reinstall the printer driver.

CAUTION

You should always notify your network’s administrator before changing the printer’s IP address.

1 Turn on your PC and printer.

2 When the printer’s message window displays READY, set the IP address.

Press this key . . .	(until) the message window reads . . .
	READY
* Menu Select ↵	PROOF/PRINT MENU or if no optional hard disk kit is installed: PRINT MENU
▽	INTERFACE MENU
* Menu Select ↵	JOB TIMEOUT
▽	ETHERNET
* Menu Select ↵	TCP/IP

Press this key . . .	(until) the message window reads . . .
* Menu Select ↵	ENABLE
▽	IP ADDRESS
* Menu Select ↵	IP ADDRESS 000.000.000.000
Use the ▷ and ◁ keys to move to each of the four number triplets. Use the △ and ▽ keys to increase or decrease each number.	
* Menu Select ↵	IP ADDRESS

3 If you don't set the subnet mask or gateway, go to step 5.

If you don't set the subnet mask, but you set the gateway, go to step 4.

If you set the subnet mask, follow these steps.

Press this key . . .	(until) the message window displays . . .
▽	SUBNET MASK
* Menu Select ↵	SUBNET MASK 255.255.000.000

Press this key . . .	(until) the message window displays . . .
Use the ▷ and ◁ keys to move to each of the four number triplets. Use the △ and ▽ keys to increase or decrease each number.	
* Menu Select ↵	SUBNET MASK

4 If you don't set the gateway, go to step 5.

If you set the gateway, follow these steps.

Press this key . . .	(until) the message window displays . . .
▽	DEFAULT GATEWAY
* Menu Select ↵	DEFAULT GATEWAY 000.000.000.000
Use the ▷ and ◁ keys to move to each of the four number triplets. Use the △ and ▽ keys to increase or decrease each number.	
* Menu Select ↵	DEFAULT GATEWAY

5 Save your configuration changes and make the printer ready for printing again.

Press this key . . .	(until) the message window displays . . .
Cancel	Press the Cancel key 4 times.

6 Print a configuration page to verify that the correct IP address, subnet mask, and gateway have been set.

Press this key . . .	(until) the message window displays . . .
	READY
* Menu Select ↵	RPOOF/PRINT MENU or if no optional hard disk kit is installed: PRINT MENU
▽	PRINT MENU
* Menu Select ↵	CONFIGURATION PG
* Menu Select ↵	PRINT

7 Install the printer driver and utilities.

Network Printing

Network printing terms are described below.

- AppleTalk
- Bonjour
- BOOTP
- DDNS
- DHCP
- FTP
- HTTP
- IEEE802.1x
- IPP
- IPsec
- IPv6
- IPX/SPX
- LPD/LPR
- SLP
- SMTP
- SNMP
- Port9100
- WSD print

This chapter contains descriptions on the network printing terms and the IPP printing methods.

AppleTalk

A generic name for the protocol suite developed by Apple Computer for computer networking.

Bonjour

Macintosh network technology for automatically detecting devices connected to the network and for specifying settings. Previously called “Rendezvous”, the name was changed to “Bonjour” starting with Mac OS X v10.4.

BOOTP

BOOTP (Bootstrap Protocol) is an Internet protocol that enables a diskless workstation to discover (1) its own IP address, (2) the IP address of a BOOTP

server on the network, and (3) a file that can be loaded into memory to boot the workstation. This enables the workstation to boot without requiring a hard or floppy disk drive.

DDNS (Dynamic DNS)

DDNS (Dynamic Domain Name System) is technology for automatically assigning dynamically assigned IP addresses to fixed domains.

The recent availability of always-on Internet connections has resulted in an increased number of users turning their home computers into publicly accessible Web servers. The IP address supplied by the Internet service provider changes with each connection, complicating public access to the Internet.

By using a DDNS service, home computers can normally be accessed with a fixed host name.

DHCP

DHCP (Dynamic Host Configuration Protocol) is a protocol for assigning dynamic IP addresses to devices on a network. With dynamic addressing, a device can have a different IP address every time it connects to the network. In some systems, the device's IP address can even change while it is still connected. DHCP also supports a mix of static and dynamic IP addresses. Dynamic addressing simplifies network administration because the software keeps track of IP addresses rather than requiring an administrator to manage the task. This means that a new computer can be added to a network without the hassle of manually assigning it a unique IP address.

FTP

Abbreviation for File Transfer Protocol. A protocol for transferring files over the Internet or an intranet on the TCP/IP network.

HTTP

HTTP (HyperText Transfer Protocol) is the underlying protocol used by the World Wide Web. It defines how messages are formatted and transmitted, and what actions web servers and browsers should take in response to various commands. For example, when you enter a URL in your browser, this actually sends an HTTP command to the Web server directing it to fetch and transmit the requested web page.

IEEE802.1x

This protocol for determining the user authentication method within the LAN is compatible with wireless and wired LANs. Using the RADIUS server for

user authentication, communication with authenticated users is permitted while all communication from unauthenticated clients is blocked, excluding authentication requests.

IPP

IPP (Internet Printing Protocol) is a protocol for end users' most common printing situations over the Internet. It allows users to find out about a printer's capabilities, submit print jobs to a printer, determine the status of the printer or print job, and cancel a previously submitted print job.

For more information on using IPP, See "Printing via IPP (Internet Printing Protocol)" on page 116.

IPsec

The security technology that is used with TCP/IP. A service with enhanced security can be provided by specifying the encryption of transmission packets and the authentication protocol.

IPv6

Abbreviation for Internet Protocol version 6.
A protocol that has been prepared to replace the currently used IPv4 protocol in response to increase in the number of devices that use the Internet. Additional improvements include 128-bit IP addresses and added security features.

IPX/SPX

IPX/SPX (Internetwork Packet Exchange/Sequenced Packet Exchange) is a networking protocol developed by Novell. It was used mainly in Netware environments as the general LAN protocol, where TCP/IP has become widespread.

LPD/LPR

LPD/LPR (Line Printer Daemon/Line Printer Request) is a platform-independent printing protocol that runs over TCP/IP. Originally implemented for BSD UNIX, its use has spread into the desktop world and is now an industry standard.

SLP

Traditionally, in order to locate services on the network, users had to supply the host name or network address of the machine providing the desired service. This has created many administrative problems.

However, SLP (Service Location Protocol) simplifies the discovery and use of network resources such as printers by automating a number of network services. It provides a framework that allows networking applications to discover the existence, location, and configuration of networked services.

With SLP users no longer need to know the names of network hosts. Instead, they need to know only the description of the service they are interested in. Based on this description, SLP is able to return the URL of the desired service.

Unicast, Multicast, and Broadcast

SLP is a unicast and a multicast protocol. This means that messages can be sent to one agent at a time (unicast) or to all agents (that are listening) at the same time (multicast). However, a multicast is not a broadcast. In theory, broadcast messages are “heard” by every node on the network. Multicast differs from broadcast because multicast messages are only “heard” by the nodes on the network that have “joined the multicast group.”

For obvious reasons network routers filter almost all broadcast traffic. This means that broadcasts that are generated on one subnet will not be “routed” or forwarded to any of the other subnets connected to the router (from the router’s perspective, a subnet is all machines connected to one of its ports). Multicasts, on the other hand, are forwarded by routers. Multicast traffic from a given group is forwarded by routers to all subnets that have at least one machine that is interested in receiving the multicast for that group.

SMTP

SMTP (Simple Mail Transfer Protocol) is a protocol for sending e-mail.

This protocol was originally used to send e-mail between servers; however, currently client e-mail software use it to also send e-mail to servers using POP.

SNMP

SNMP (Simple Network Management Protocol) is actually a set of protocols for managing complex networks. SNMP works by sending messages to different parts of a network. SNMP-compliant devices, called agents, store data about themselves in Management Information Bases (MIBs) and return this data to the SNMP requesters.

Port 9100

When printing through a network, TCP/IP port number 9100 can be used to send raw data.

WSD print

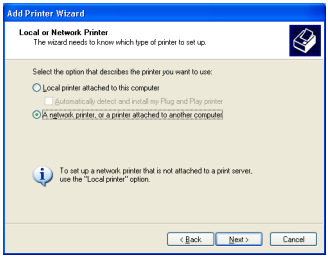
Printing is possible using the WSD (Web Service on Devices) function installed in Windows Vista. A connection supports WSD, detects the printer on the network automatically and connects. Specifying a WSD printer when printing from Windows Vista allows printing using Web service for communication.

Adding an IPP Port using Add Printer Wizard– Windows Server 2003/XP/2000

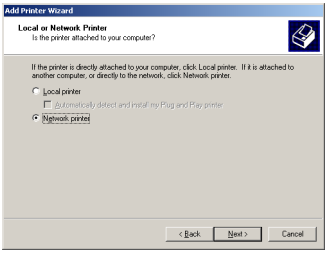
- For Windows Server 2003/XP: Click **Start**, select **Printers and Faxes**, and then click **Add Printer**.
- For Windows 2000: Click **Start**, point to **Settings**, click **Printers**, and then click **Add Printer**.

1 In the second dialog box select the **Network Printer** radio button and then choose **Next**.

Windows Server 2003/XP



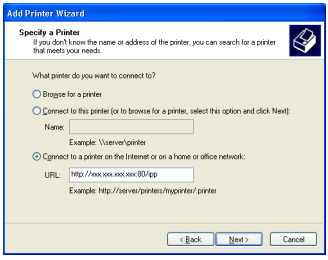
Windows 2000



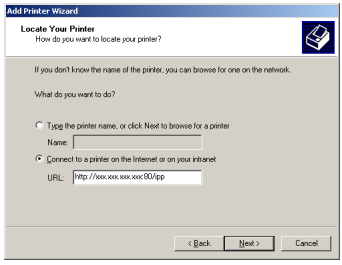
2 In the URL field in the next dialog box enter the printer's network path-name in one of the following formats and then choose **Next**:

- http://*ipaddress*/ipp
- http://*ipaddress*:80/ipp
- http://*ipaddress*:631/ipp

Windows Server 2003/XP



Windows 2000



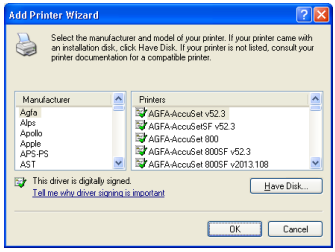
If your system cannot connect to the printer, the following message appears:

- **Windows Server 2003/XP**—"Windows cannot connect to the printer. Either the printer name was typed incorrectly, or the specified printer has lost its connection to the server. For more information, click **Help**."
- **Windows 2000**—"Could not connect to the printer. You either entered a printer name that was incorrect or the specified printer is no longer connected to the server. Click **Help** for more information."

3 **Windows Server 2003/XP**—Go to step 4.

Windows 2000—If you entered a valid path in the previous step, the following message displays: "The server on which the KONICA MINOLTA pagepro 4650(5650) printer resides does not have the correct printer driver installed. If you want to install the driver on your local computer, click **OK**." The reason for this is that you do not yet have a printer driver installed. Choose **OK**.

4 Choose **Have Disk**, locate the directory on the CD-ROM where the printer driver files are located (for example, Drivers\Windows\mono\Drivers\PS\english\Win_x86), and then choose **OK**.



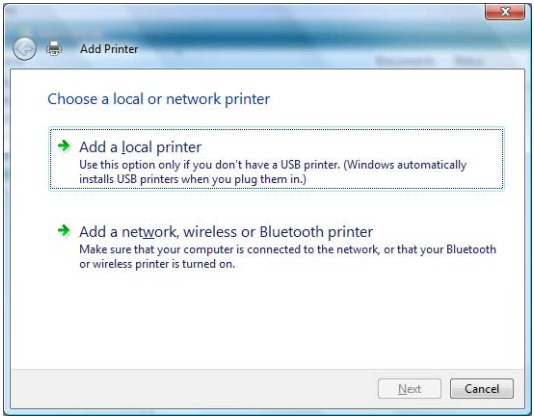
5 Finish installing the printer driver.

Adding an IPP Port using Add Printer Wizard- Windows Vista

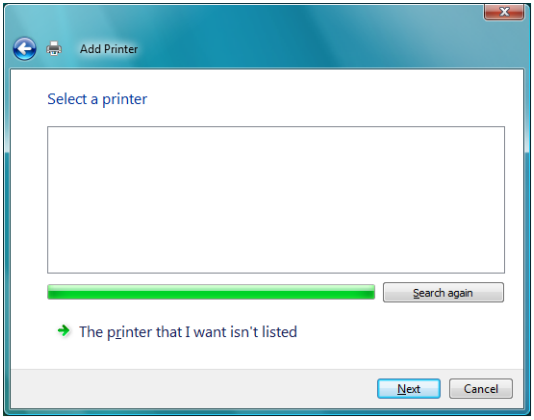
1 Click **Start**, click **Control Panel**, and then click **Printers**.

2 Click **Add a printer**.

3 In the dialog box click **Add a network, wireless or Bluetooth printer**.

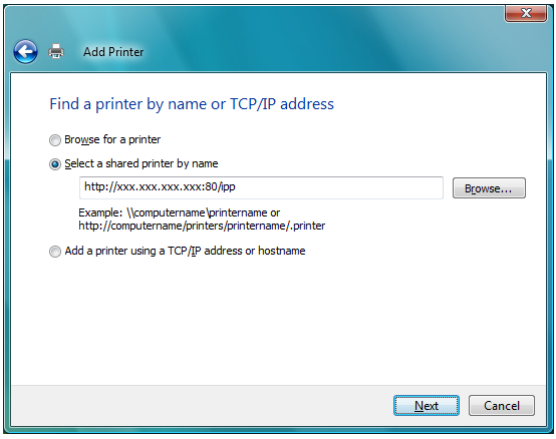


4 In the dialog box, click **The printer that I want isn't listed**.



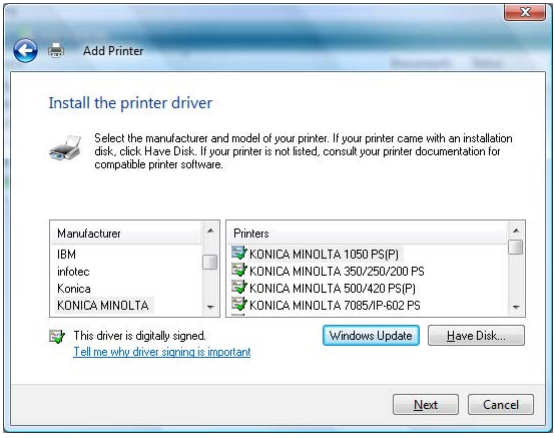
5 In the URL field in the next dialog box enter the printer's network path name in one of the following formats and then choose **Next**:

- http://ipaddress/ipp
- http://ipaddress:80/ipp
- http://ipaddress:631/ipp



- "Windows cannot connect to the printer. Make sure that you have typed the name correctly, and that the printer is connected to network."

6 Choose **Have Disk**, locate the directory on the CD-ROM where the printer driver files are located (for example, Drivers\Windows\mono\Drivers\PS\english\Win_x 86), and then choose **Next**.



7 Finish installing the printer driver.

Symptom	Action
Some client functions are not available with the Point and Print feature when the server is running Windows XP/Vista/Server 2003/2000 and the client computer is running Windows XP/Vista/ Server 2003/2000.	Install the printer driver directly on the client computer.

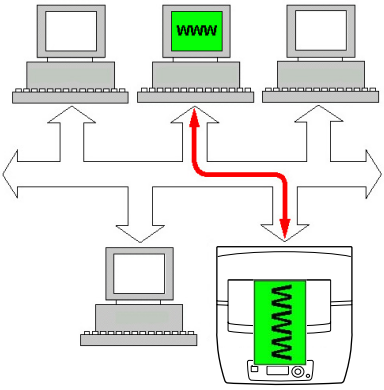
8

Using PageScope Web Connection

About PageScope Web Connection

This chapter provides information on PageScope Web Connection, an HTTP (HyperText Transfer Protocol)-based web page that resides in your printer and that you can access using your Web browser.

This page gives you instant access to printer status and the most frequently used printer configuration options. Anyone on your network can access the printer using their web browser software. In addition, with the proper password, you can change the configuration of the printer without leaving your PC.



Users who are not given passwords by the administrator can still view the configuration settings and options but are not able to save or apply changes.

Display Language

The language used in the PageScope Web Connection screens is specified from the printer's control panel. For details on specifying the display language, refer to the User's Guide (CD-ROM) provided with the printer.

In addition, the language can be selected from the **Language** drop-down list in PageScope Web Connection. For details, refer to "Language Setting" on page 130.

Requirements

To use PageScope Web Connection, the following is required:

- Windows Server 2003/Vista/XP/2000, Mac OS X 10.2 and later, Linux
- Microsoft Internet Explorer version 5.5 or later
  Netscape Navigator version 7.1 or later

  You do not need an Internet connection.
- TCP/IP communication software (used by PageScope Web Connection) installed on your PC
- A network, to which both your PC and the printer are connected

You cannot access PageScope Web Connection using a local (USB or Parallel) connection.

Setting Up the Printer Web Page

Setting up the printer web page to run on your network involves two basic steps:

- Determining the name or address of your printer
- Setting up the “no proxy” preferences in your browser software

Determining the Printer Name

The printer web page can be accessed in two ways:

The printer names can also be determined via WINS if the network supports it.

- Through the assigned name of the printer—This name comes from the IP host table (the filename is **hosts**) on the computer system and is usually assigned by the system administrator (for example, pagepro 4650(5650)). It may be more convenient for you to use the printer name than the IP address.

  Location of the Host Table on the PC

  - Windows Server 2003/XP/Vista \windows\system32\drivers\etc\hosts
  - Windows 2000 \winnt\system32\drivers\etc\hosts

- Through the printer’s IP address—The IP address of your printer is a unique number and, therefore, may be the preferred identification to enter, especially if you have more printers active in your network. The printer’s IP address is listed on the configuration page.

  Location of the Configuration Page in the Printer’s Configuration Menu

  - `PRINT MENU - CONFIGURATION PG` menu

Setting Up Your Browser Software

Since your printer resides on your intranet and is not accessible beyond the firewall of your network, you must set up the proper “preferences” in your browser software. Your printer name or IP address must be added to the “no proxy” list in the preferences dialog box of the browser.

You need to do this procedure only once.

The sample screens below may be different from yours depending on software versions and operating systems in use.

Our examples represent the IP address of the printer with: xxx.xxx.xxx.xxx. Always enter your printer's IP address without leading zeros. For example, 192.168.001.002 should be entered as 192.168.1.2.

Internet Explorer (version 6.0 for Windows)

1 Start Internet Explorer.

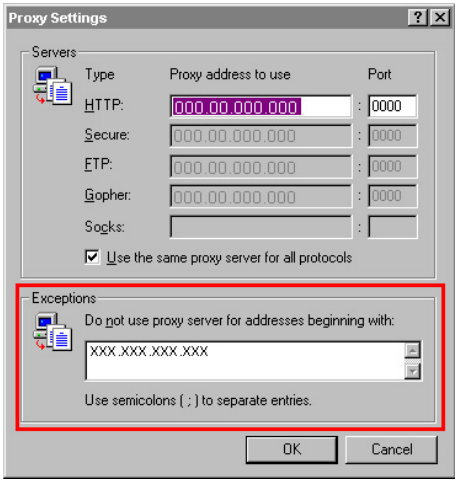
2 From the **Tools** menu choose **Internet Options**.

3 Select the **Connections** tab on the dialog box.

4 Choose the **LAN Settings** button to display the Local Area Network (LAN) Settings dialog box.

5 Select **Advanced** in Proxy server to open the Proxy Settings dialog box.

6 In the **Exceptions** text box, type a comma after the last entry and then type the printer name or the IP address of your printer.



7 Choose **OK** three times to return to the main browser window.

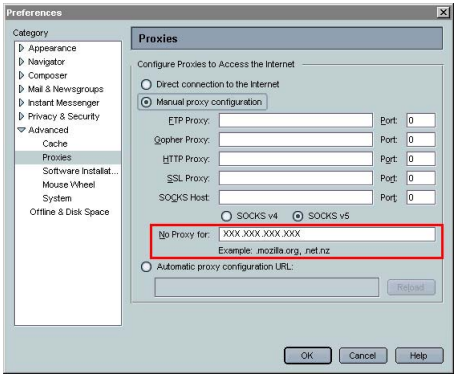
8 Enter the printer's IP address in the URL Address box to access the printer home page.

Netscape Navigator (version 7.1)

1 Start Netscape Navigator.

2 From the **Edit** menu choose **Preferences**.

3 Select the Advanced/Proxies directory from the left pane of the dialog box.

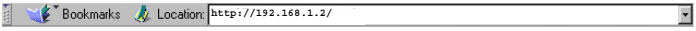


4 Select the **Manual Proxy Configuration** radio button.

5 In the **No Proxy for**: text box, type a comma after the last entry, and then type the printer name or the IP address of your printer.

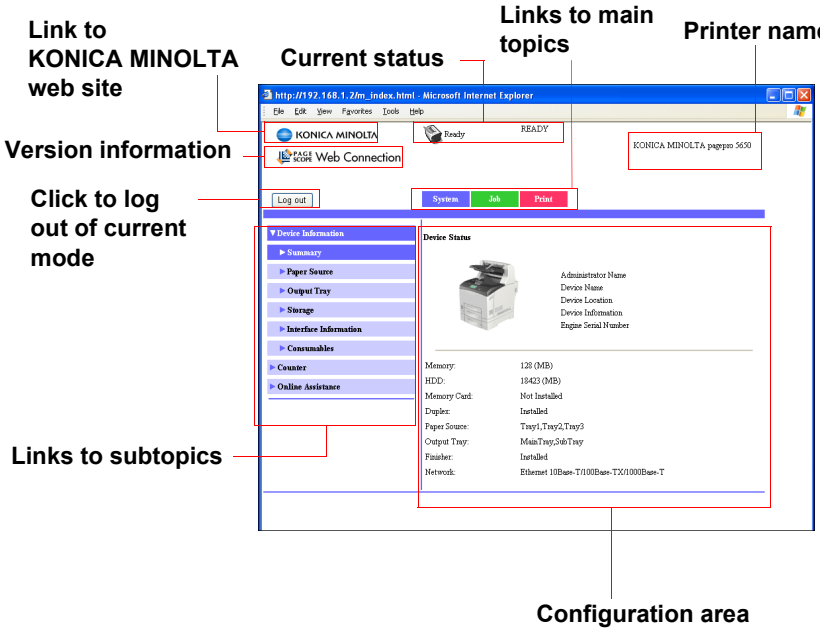
6 Choose **OK** to return to the main browser window.

7 Enter the printer name or IP address in the URL Location box to access the printer home page.



Understanding the PageScope Web Connection Window

The illustration below identifies the navigation and configuration areas of the windows that you see in PageScope Web Connection windows.



Navigation

Selecting the main topic and subtopic displays the configuration area for the printer options (parameters) associated with your selections.

To change a current setting, click on the current setting and then select from the available choices or enter the new value.

In order to apply or save any changes made to the configuration settings, PageScope Web Connection must be logged in from Administrator Mode. (For details, refer to "Administrator Mode" on page 131.)

Current Status

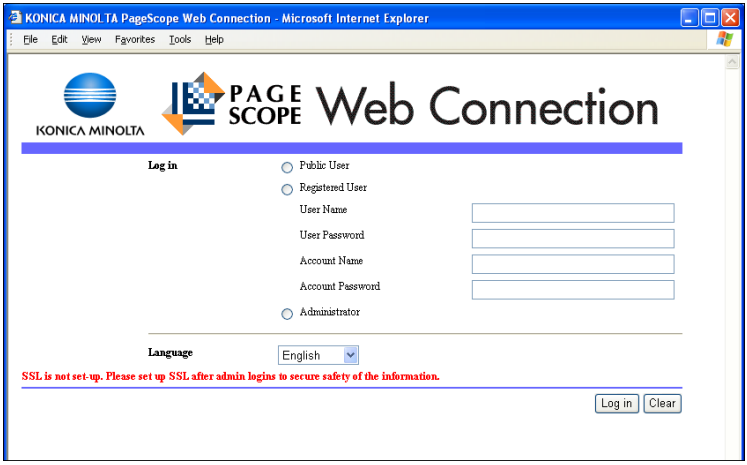
The current status of the printer is displayed at the top of all PageScope Web Connection windows. The icon displays the type of status being displayed.

Icon	Status	Description	Examples
	Ready	The printer is online and either ready to print or printing.	READY WARMING UP PRINTING
	Warning	The printer needs attention, but printing continues.	PAPER EMPTY TRAY 1 TONER LOW
	Error	The printer needs attention before printing can resume.	TONER OUT PAPER JAM TRAY2
	Caution	The printer needs attention, but printing continues.	TRAY1 PAPER ERR
	Fatal	The printer must be rebooted. If that doesn't fix the error, service is required.	SERVICE CALL C002 RAM ERROR

Logging on to PageScope Web Connection

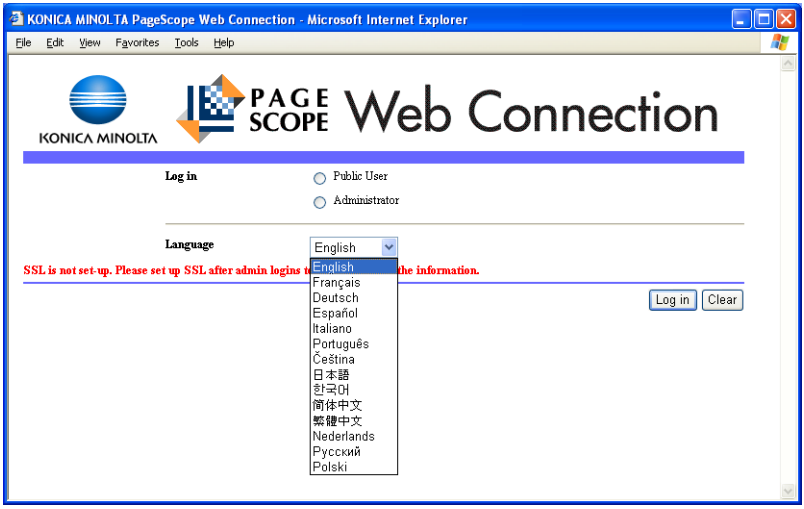
Login Page

User authentication, account track and language settings can be specified by using PageScope Web Connection. In order to perform authentication, you must log on in Administrator Mode. For details on authentication, refer to “Authentication” on page 180 and “User Authentication” on page 282.



Language Setting

If necessary, the display language used for Web Connection can be changed.



Public User Mode

In Public User Mode, you can view configuration settings but not change them.

1 Select **Public User**.

2 Click the **Log in** button.

Registered User Mode

In Registered User Mode, you can view configuration settings but not change them.

User Authentication Mode

*To enter User Authentication Mode, log on in Administrator mode, set **User Authentication** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new user in the **System - Authentication - User Registration - New Registration** page. For details, refer to "User Registration" on page 181 and "User Authentication" on page 282.*

1 Select **Registered User**.

2 Type in the user name and user password in the **User Name** and **User Password** text boxes.

3 If **Account Track** (in the **Network - Authentication - User Authentication** page) is set to **On**, continue with step 4. If it is set to **Off**, continue with step 5.

4 – (If **Synchronize User Authentication & Account Track** is set to **Do Not Synchronize** and **Account Track Method** is set to **Account Name & Password** in the **Network - Authentication - User Authentication** page) Type in the account name and account password in the **Account Name** and **Account Password** text boxes.

– (If **Synchronize User Authentication & Account Track** is set to **Do Not Synchronize** and **Account Track Method** is set to **Password Only** in the **Network - Authentication - User Authentication** page) Type in the account password in the **Account Password** text box.

*When **Synchronize User Authentication & Account Track** (in the **Network - Authentication - User Authentication** page) is set to **Synchronize**, **Account Name** and **Account Password** will not be displayed in the login page even if **Account Track** is set to **On**.*

5 Click the **Log in** button.

Account Track Mode

*To enter Account Track Mode, log on in Administrator mode, set **Account Track** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new account in the **System - Authentication - Account Track Registration - New Registration** page. For details, refer to "Account Track Registration" on page 184 and "User Authentication" on page 282.*

1 Select **Account**.

2 – (If **Account Track Method** is set to **Account Name & Password** in the **Network - Authentication - User Authentication** page) Type in the account name and account password in the **Account Name** and **Account Password** text boxes.

– (If **Account Track Method** is set to **Password Only** in the **Network - Authentication - User Authentication** page) Type in the account password in the **Account Password** text box.

3 Click the **Log in** button.

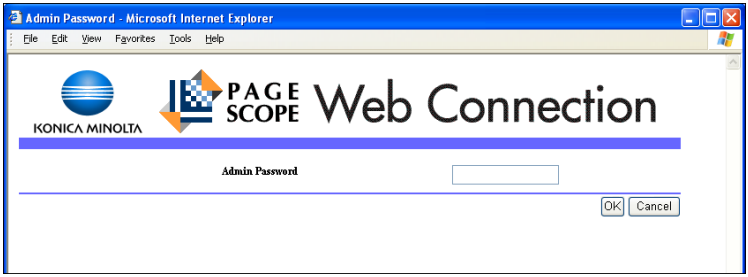
Administrator Mode

In order to change any configuration settings through PageScope Web Connection, you must first enter Administrator Mode.

1 Select **Administrator**.

2 Click the **Log in** button.

3 Type the password in the **Admin Password** text box.



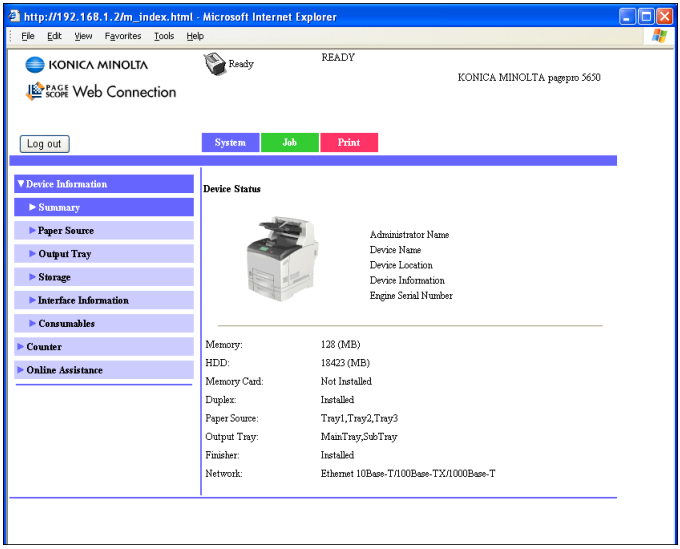
*Default password is set to "administrator"; however, once you have logged on in Administrator Mode, the password can be specified in the **System - Admin Password** window.*

4 Click **OK** button.

Viewing Printer Status

System Page

On this page you find printer status and current configuration settings, printer identification, and links to all other web pages.



All of the information displayed on the System page is read only.

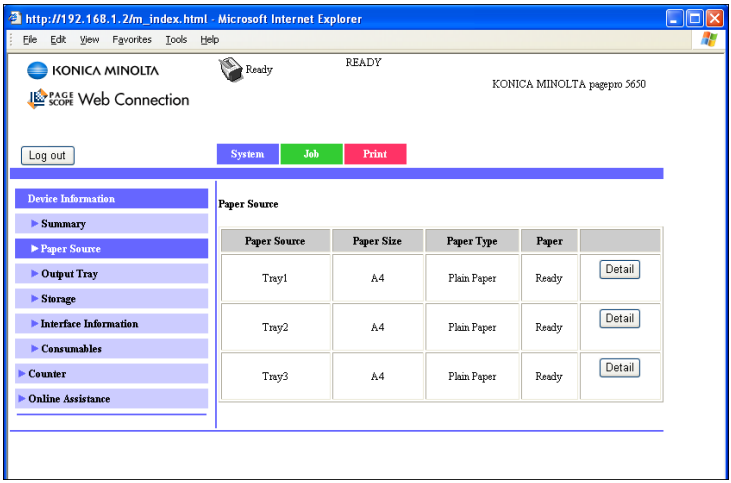
Device Information

Summary

The **System - Device Information - Summary** window provides the following information.

Item	Description
Printer name/status	Shows the name assigned to your printer, and displays the current status of the printer-just as it's displayed on the printer's control panel message window. *The status display allows you to remotely identify possible printer problems, such as out of paper and out of toner.*
Device Status (Product image)	Identifies the type of printer that you are browsing. The printer is pictured in the illustration with its current configuration.
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk kit is installed in the printer, displays the size of the hard disk kit. If no optional hard disk kit is installed in the printer, displays “Not Installed”.
Memory Card	If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card. If no optional CompactFlash card is installed in the printer, displays “Not Installed”.
Duplex	Identifies whether the duplex is “Installed” or “Not Installed”.
Paper Source	Identifies the paper feed units installed on the printer.
Output Tray	Identifies the output trays installed on the printer.
Finisher	Identifies whether the offset tray is “Installed” or “Not Installed”.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

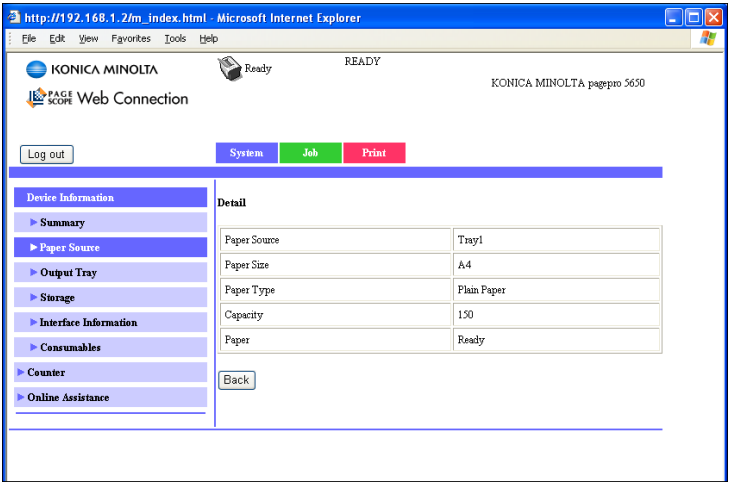
Paper Source



The **System - Device Information - Paper Source** window provides the following information.

Item	Description
Paper Source	Identifies the paper feed units Tray 1/2/3/4 installed on the printer.
Paper Size	Indicates the size of paper loaded in a specific tray.
Paper Type	Indicates the type of paper loaded in a specific tray.
Paper	Indicates the paper status (“Ready”, “Near Empty” or “Empty”) for each tray.
Detail button	Displays detailed information about the paper trays.

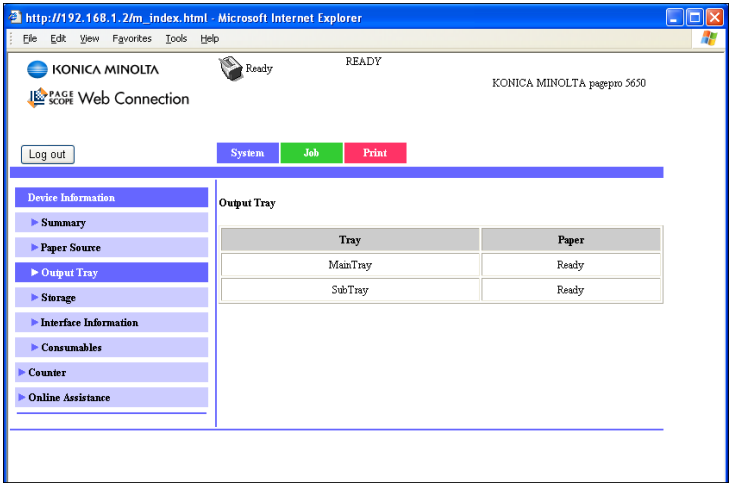
Paper Source (Detail)



The **System - Device Information - Paper Source - Detail** window provides the following information.

Item	Description
Paper Source	Displays the names of the paper trays.
Paper Size	Displays the paper sizes.
Paper Type	Displays the paper types.
Capacity	Displays the maximum capacity for each paper tray.
Paper	Displays the amount of paper remaining.
Back button	Returns to the previous screen.

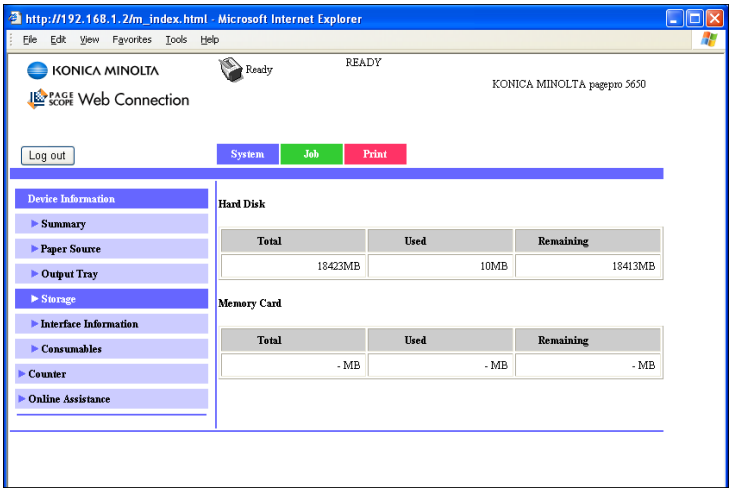
Output Tray



The **System - Device Information - Output Tray** window provides the following information.

Item	Description
Tray	Displays the names of the output trays.
Paper	Displays the status (Ready, Full) of the output trays.

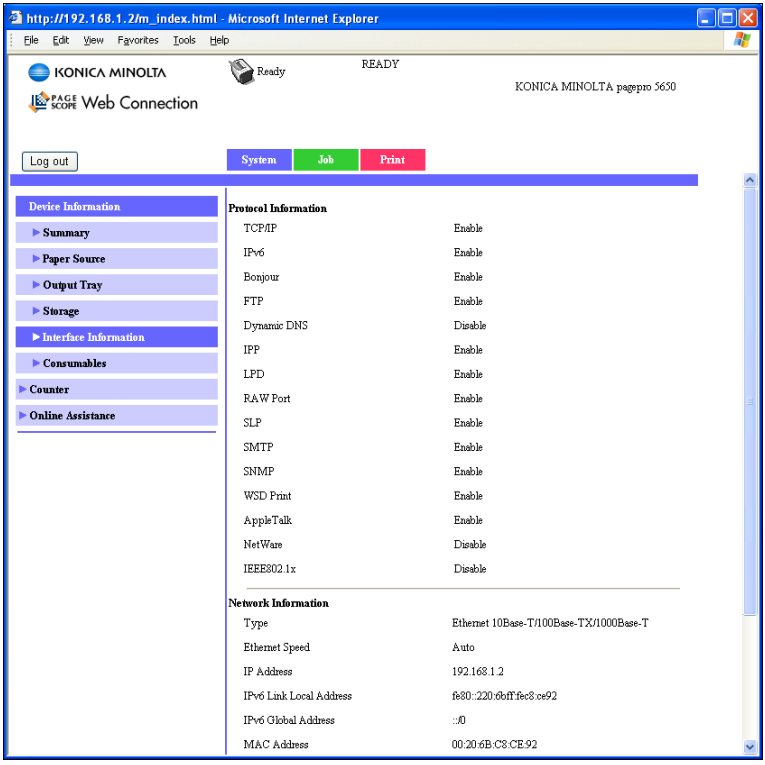
Storage



The **System - Device Information - Storage** window provides the following information.

Item	Description
Total	Displays the total amount of space on the hard disk and CompactFlash card. If no optional storages are installed, “-” are displayed.
Used	Displays the amount of space on the hard disk and CompactFlash card that are used. If no optional storages are installed, “-” are displayed.
Remaining	Displays the amount of space remaining on the hard disk and CompactFlash card. If no optional storages are installed, “-” are displayed.

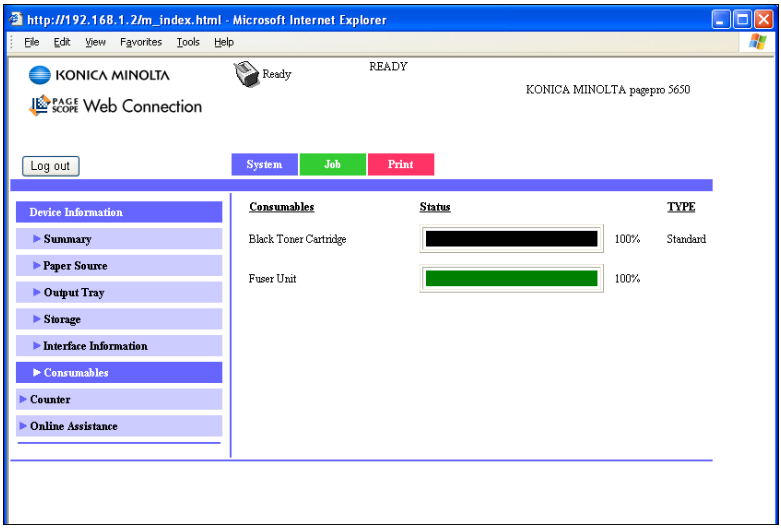
Interface Information



The **System - Device Information - Interface Information** window provides the following information.

Item		Description
Protocol Information	TCP/IP	If **Enable** is displayed, TCP/IP is enabled. If **Disable** is selected, TCP/IP is disabled.
	IPv6	If **Enable** is selected, IPv6 is enabled. If **Disable** is selected, IPv6 is disabled.
	Bonjour	If **Enable** is selected, Bonjour is enabled. If **Disable** is selected, Bonjour is disabled.
	FTP	If **Enable** is selected, FTP is enabled. If **Disable** is selected, FTP is disabled.
	Dynamic DNS	If **Enable** is selected, Dynamic DNS is enabled. If **Disable** is selected, Dynamic DNS is disabled.
	IPP	If **Enable** is displayed, IPP is enabled. If **Disable** is selected, IPP is disabled.
	LPD	If **Enable** is selected, LPD is enabled. If **Disable** is selected, LPD is disabled.
	RAW Port	If **Enable** is selected, RAW Port is enabled. If **Disable** is selected, RAW Port is disabled.
	SLP	If **Enable** is selected, SLP is enabled. If **Disable** is selected, SLP is disabled.
	SMTP	If **Enable** is selected, SMTP is enabled. If **Disable** is selected, SMTP is disabled.
	SNMP	If **Enable** is selected, SNMP is enabled. If **Disable** is selected, SNMP is disabled.
	WSD Print	If **Enable** is selected, WSD Print is enabled. If **Disable** is selected, WSD Print is disabled.
	AppleTalk	If **Enable** is displayed, AppleTalk is enabled. If **Disable** is selected, AppleTalk is disabled.
	NetWare	If **Enable** is displayed, NetWare is enabled. If **Disable** is selected, NetWare is disabled.
	IEEE802.1x	If **Enable** is selected, IEEE802.1x is enabled. If **Disable** is selected, IEEE802.1x is disabled.

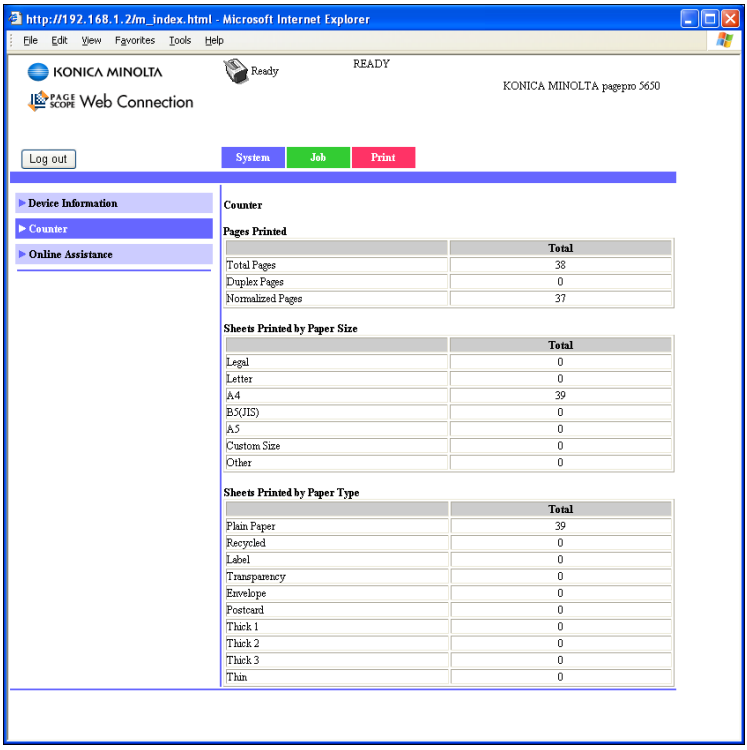
Item		Description
Network Information	Type	Identifies the type of network interface installed on the printer (Ethernet 10Base-T/100Base-TX/1000Base-T).
	Ethernet Speed	Indicates the transmission speed for the network and the transmission method for bidirectional transmission.
	IP Address	Identifies the IP (Internet Protocol) address of the Ethernet interface.
	IPv6 Link Local Address	Identifies the IPv6 link local address of the Ethernet interface.
	IPv6 Global Address	Identifies the IPv6 global address of the Ethernet interface.
	MAC Address	Identifies the Media Access Control (MAC) address of the Ethernet interface.
	Host Name	Identifies the host name for the printer.
	Print Server Name (NetWare)	Identifies the Print Server Name for the NetWare.
	Printer Name (AppleTalk)	Identifies the printer name on AppleTalk.
	Current Zone Name (AppleTalk)	Identifies the Current Zone Name for the AppleTalk.
	Bonjour Name	Displays the Bonjour name for the printer.
	WSD Printer Name	Displays the WSD printer name for the printer.



The **System - Device Information - Consumables** window provides the following information.

Item	Description
Consumables	Identifies the type of consumable that is being monitored.
Status	Indicates the remaining life of the consumables. ■ Toner Cartridge, Fuser Unit: Percentage
TYPE	Identifies the type of Toner Cartridge. ■ Starter, Standard, High

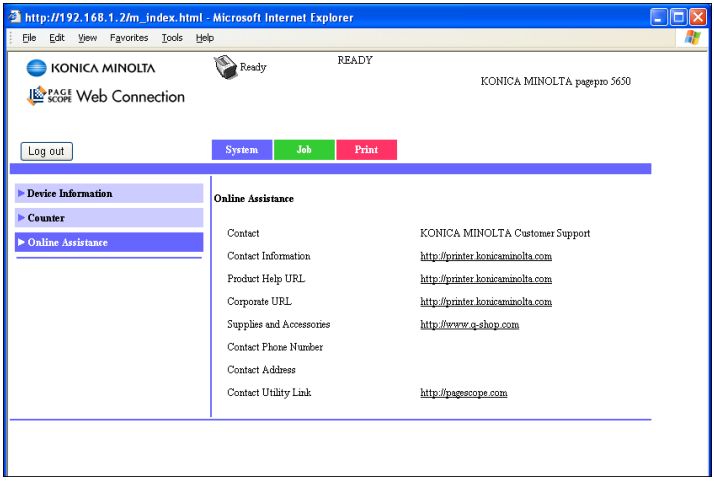
Counter



The **System - Counter** window provides the following information.

Item	Description
Pages Printed	Indicates the number of prints.
Sheets Printed by Paper Size	Indicates the number of prints grouped by Paper Size.
Sheets Printed by Paper Type	Indicates the number of prints grouped by Paper Type.

Online Assistance



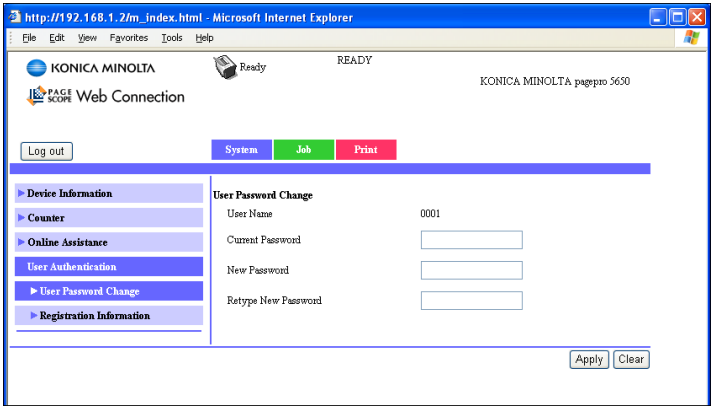
The **System - Online Assistance** window provides the following information.

Item	Description
Contact	Displays the organization that provides assistance with the printer.
Contact Information	Displays the web address for assistance.
Product Help URL	Displays the web address for assistance.
Corporate URL	Displays the KONICA MINOLTA web address.
Supplies and Accessories	Displays the web address where you can order printer supplies and accessories.
Contact Phone Number	Displays the telephone number of the printer administrator.
Contact Address	Displays the e-mail address for support.
Contact Utility Link	Displays a link to the Printer Management Utilities.

User Authentication

This page appears only when you logged on to Registered User Mode.

User Password change

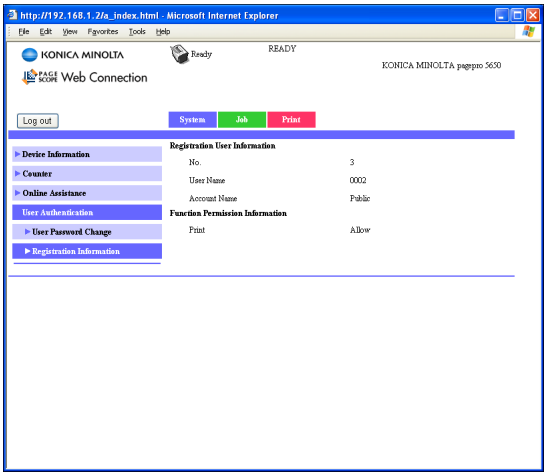


The password for the user who is logged on can be changed from the **System - User Authentication - User Password change** page.

Item	Description
User Name	Shows the name of user who is logged on.
Current Password	Type in the current password for the user who is logged on. Range: Up to 64 characters Default: [Blank]
New Password	Type in the new password. Range: Up to 64 characters Default: [Blank]
Retype New Password	Type in the new password again for confirmation. Range: Up to 64 characters Default: [Blank]

Item	Description
Apply button	Applies the new password. *If the password typed in three text boxes doesn't match, the following message displays when you choose the Apply button: "Password was changed unsuccessfully. Please retry." Retype the passwords in both text boxes.*
Clear button	Resets all configuration settings to previous values.

Registration Information

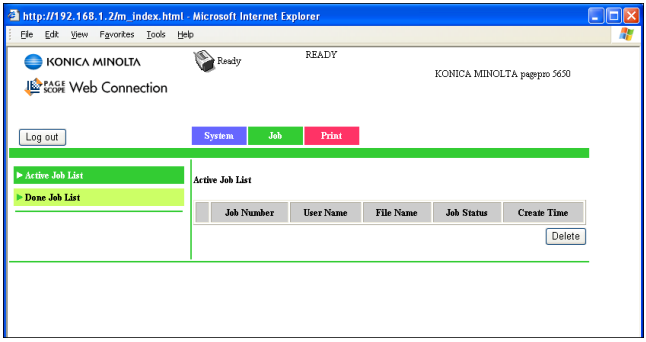


The registration information for the user who is logged on can be checked from the **System - User Authentication - Registration Information** page.

Item	Description
Registration User Information	Shows the registration number (No.), user name and account name for the user who is logged on. *Only the account name is displayed if **Synchronize User Authentication & Account Track** is set to **Synchronize** in the **Network - Authentication - User Authentication** page.*
Function Permission Information	Shows whether printing is permitted by the user who is logged on.

Job Page

This page allows you to view the status of current print jobs.

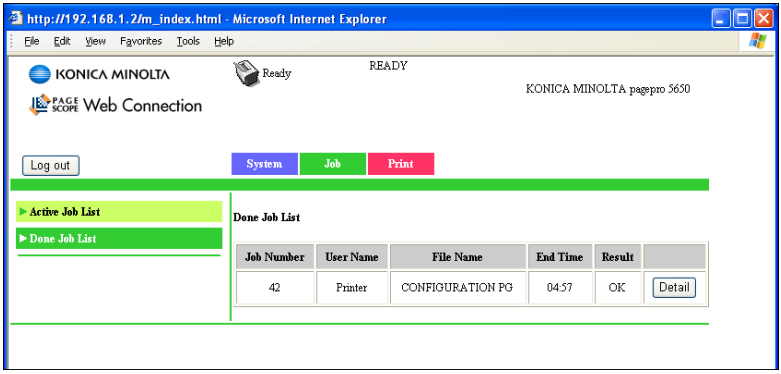


Active Job List (shown above)

The **Job - Active Job List** window provides the following information for up to 49 print jobs:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending or Abort).
Create Time	Displays the time that the job was queued.
Delete button	Deletes the print job(s) whose check boxes in column 1 are checked.

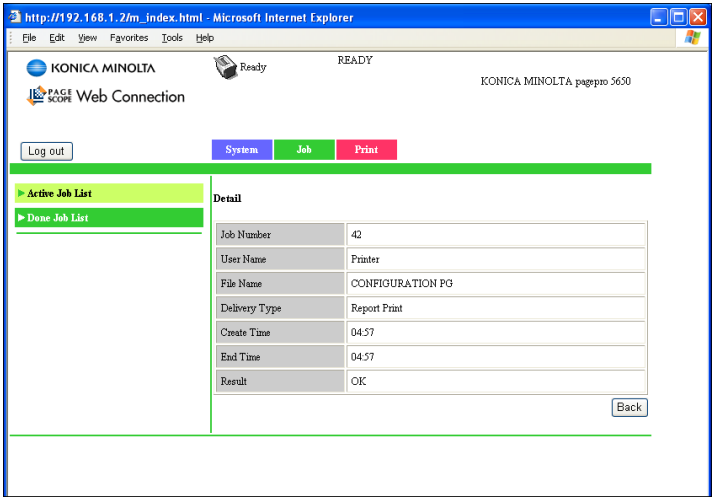
Done Job List



The **Job - Done Job List** window provides the following information for up to 49 print jobs:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Detail button	Displays a screen containing details.

Done Job List (Detail)

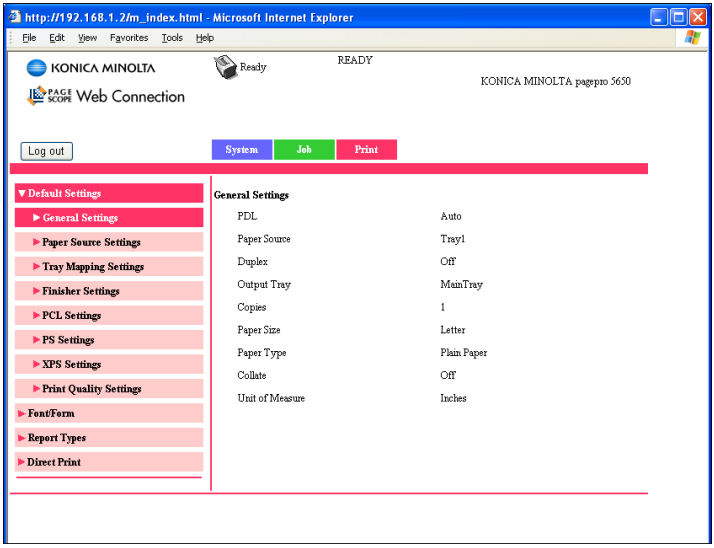


The **Job - Done Job List - Detail** window provides the following information for the selected job:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Delivery Type	Displays the delivery method for the job.
Create Time	Displays the time that the job was queued.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Back button	Returns to the previous screen.

Print Page

This page allows you to check the settings for printing when there is no PDL printer driver.



Default Settings

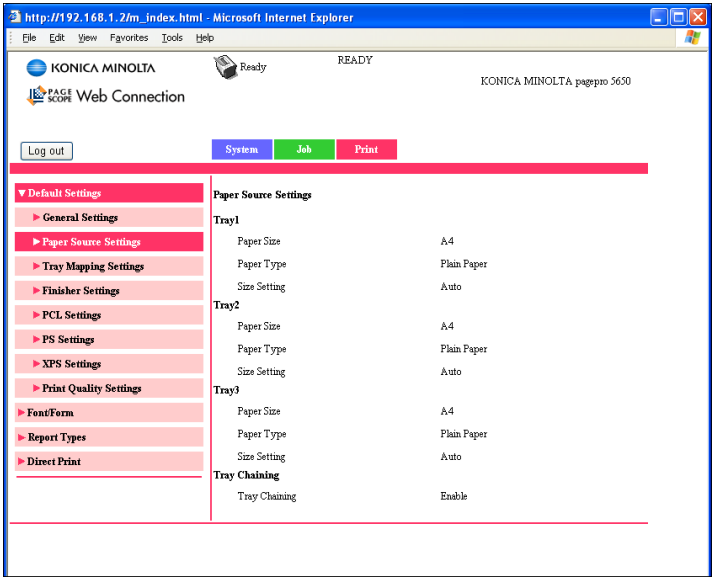
General Settings (shown above)

The **Print - Default Settings - General Settings** window provides the following information.

Item	Description
PDL	Indicates default language to be selected.
Paper Source	The paper tray that is normally used is indicated.
Duplex	If **Long-Edge Binding** is indicated, the pages will be printed on both sides of the paper for long-edge binding. If **Short-Edge Binding** is indicated, the pages will be printed on both sides of the paper for short-edge binding. *This menu item appears only if an optional duplex is installed.*
Output Tray	Displays the name of the output tray.

Item	Description
Copies	Indicates the default setting for number of copies to be printed.
Paper Size	Indicates the default setting for the size of paper.
Width	Indicates the paper width when **Paper Size** is set to **Custom Size**.
Length	Indicates the paper length when **Paper Size** is set to **Custom Size**.
Paper Type	Indicates the default setting for the type of paper.
Collate	If **On** is indicated, all pages in a copy of the document can be printed before printing the next copy. If **Off** is indicated, all copies of the document are not printed separately. *This menu item appears only if a hard disk kit or a CompactFlash card of 1 GB or more is installed.*
Unit of Measure	The units for specifying the size of custom paper is indicated between inches and millimeters.

Paper Source Settings

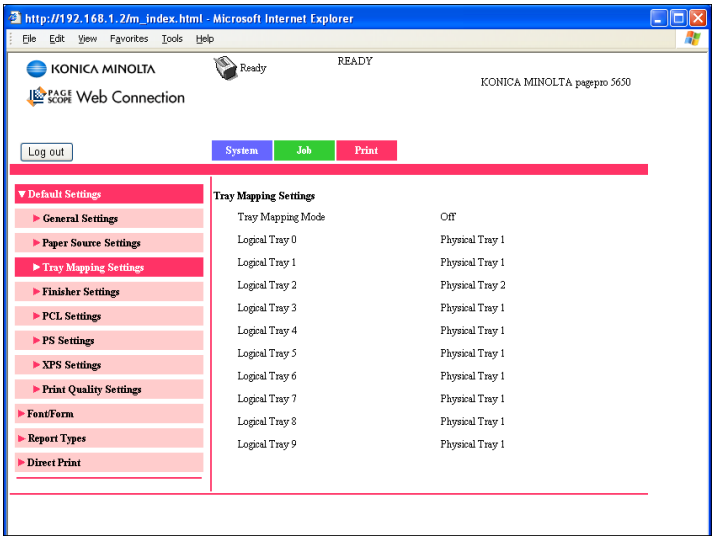


The **Print - Default Settings - Paper Source Settings** window provides the following information.

Item		Description
Tray1	Paper Size	Indicates the setting for the size of paper loaded into Tray 1.
	Width	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Length	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Paper Type	Indicates the setting for the type of paper loaded into Tray 1.
	Size Setting	Indicates whether the paper size for Tray 1 is automatically detected or manually set.
Tray2	Paper Size	Indicates the setting for the size of paper loaded into Tray 2.
	Width	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Length	Indicates the paper width when **Paper Size** is set to **Custom Size**.

Item		Description
	Paper Type	Indicates the setting for the type of paper loaded into Tray 2.
	Size Setting	Indicates whether the paper size for Tray 2 is automatically detected or manually set.
Tray3 This item appears only if an optional lower feeder unit is installed.	Paper Size	Indicates the setting for the size of paper loaded into Tray 3.
	Width	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Length	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Paper Type	Indicates the setting for the type of paper loaded into Tray 3.
	Size Setting	Indicates whether the paper size for Tray 3 is automatically detected or manually set.
Tray4 This item appears only if an optional lower feeder unit is installed.	Paper Size	Indicates the setting for the size of paper loaded into Tray 4.
	Width	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Length	Indicates the paper width when **Paper Size** is set to **Custom Size**.
	Paper Type	Indicates the setting for the type of paper loaded into Tray 4.
	Size Setting	Indicates whether the paper size for Tray 4 is automatically detected or manually set.
Tray Chaining		If **Enable** is indicated and the specified paper tray runs out of paper during printing, a paper tray loaded with paper of the same size is automatically selected so printing can continue. If **Disable** is indicated and the specified paper tray runs out of paper, printing stops.

Tray Mapping Settings

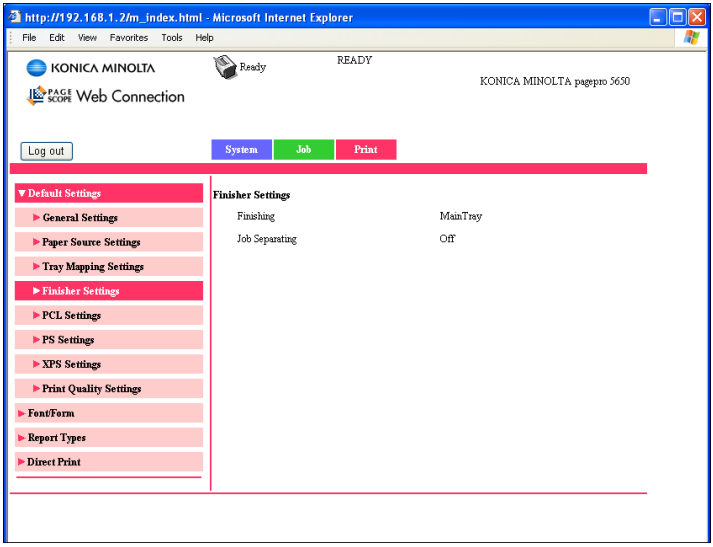


The **Print - Default Settings - Tray Mapping Settings** window provides the following information.

Item	Description
Tray Mapping Mode	If **On** is indicated, Tray Mapping function is used. If **Off** is indicated, Tray Mapping function is not used.
Logical Tray 0-9	Indicates the tray that is used for printing when a print job is received from another manufacturer's printer driver.

Finisher Settings

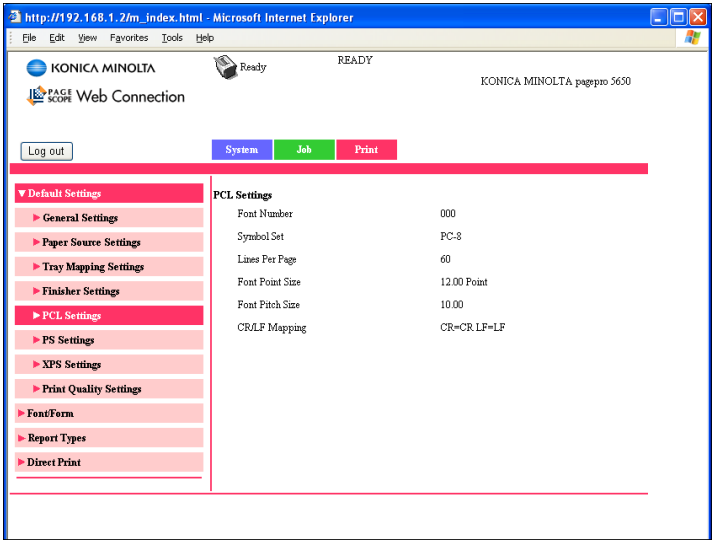
This page appears only if an optional offset tray is installed.



The **Print - Default Settings - Finisher Settings** window provides the following information.

Item	Description
Finishing	Shows the offset tray setting.
Job Separating	Shows the setting for shifting the output position for each job.

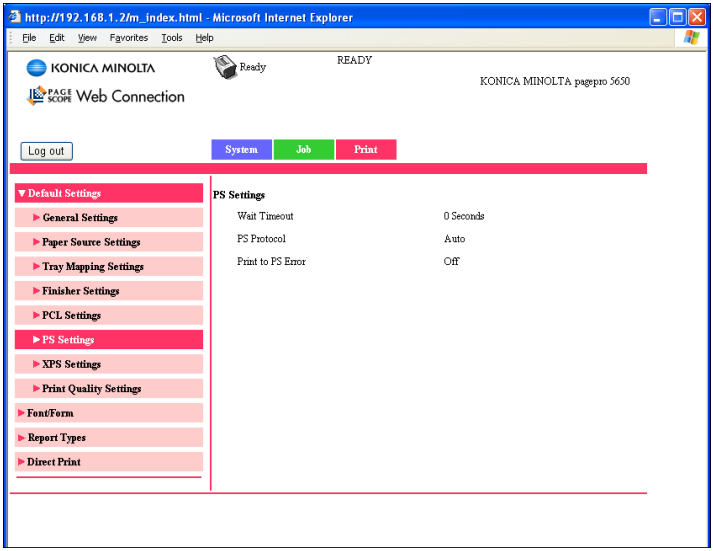
PCL Settings



The **Print - Default Settings - PCL Settings** window provides the following information.

Item	Description
Font Number	Displays the default font in the PCL language.
Symbol Set	Displays the symbol set used with the PCL language.
Lines Per Page	Indicates how many lines are in a page in PCL language.
Font Point Size	Displays the font size in the PCL language.
Font Pitch Size	Displays the font pitch in the PCL language.
CR/LF Mapping	Indicates CR/LF code definition in PCL language.

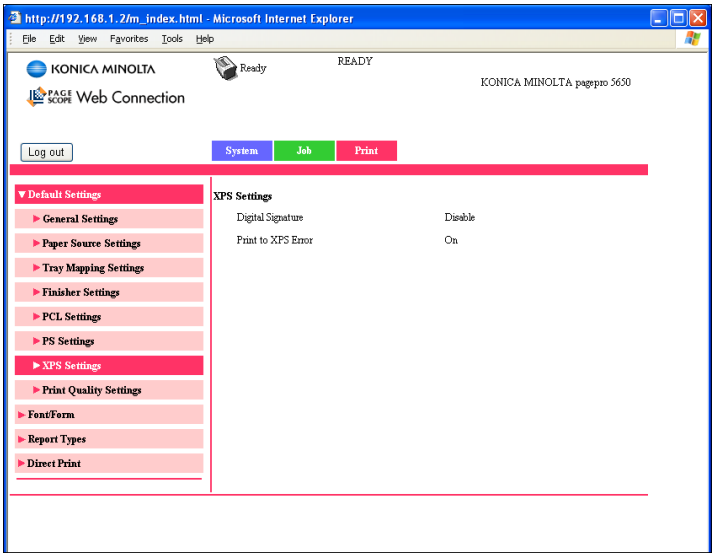
PS Settings



The **Print - Default Settings - PS Settings** window provides the following information.

Item	Description
Wait Timeout	Indicates Postscript timeout. “0” means that no time-out control is effective.
PS Protocol	Displays the settings for the PS protocol.
Print to PS Error	Displays whether or not error printing is performed.

XPS Settings

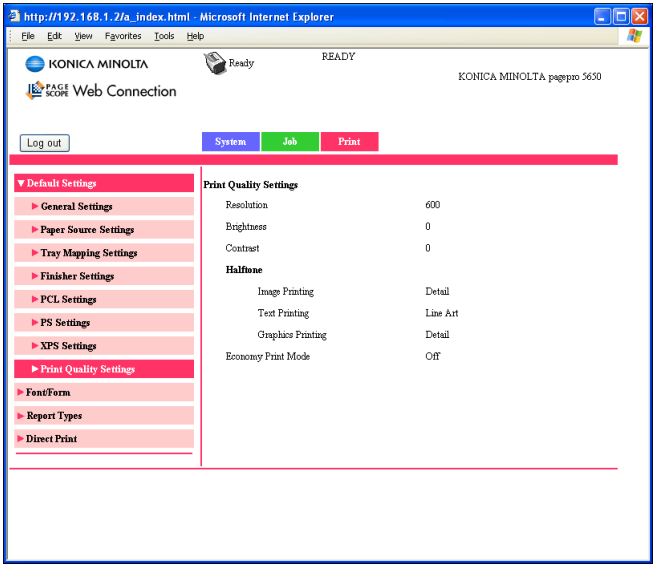


The **Print - Default Settings - XPS Settings** window provides the following information.

This page appears only if a hard disk kit or a CompactFlash card is installed.

Item	Description
Digital Signature	Shows whether XPS digital signatures are enabled or disabled.
Print to XPS Error	Shows whether or not error information is printed when an error has occurred during XPS printing.

Print Quality Settings

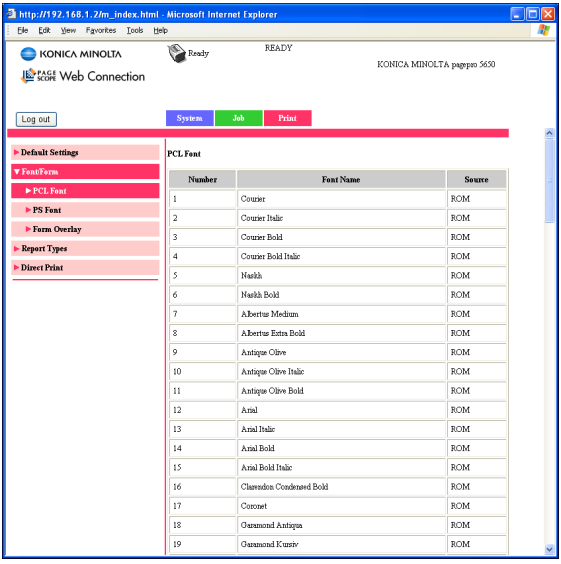


The **Print - Default Settings - Print Quality Settings** window provides the following information.

Item	Description
Resolution	Indicates the resolution of the printed image.
Brightness	Indicates the brightness of the printed image.
Contrast	Indicates the contrast of the printed image.
Halftone (Image/Text/Graphics Printing)	Indicates how halftones are reproduced. If **Line Art** is indicated, halftones are reproduced with high precision. If **Detail** is indicated, halftones are reproduced with detail. If **Smooth** is indicated, halftones are reproduced with smoothness.
Economy Print Mode	Shows the setting for whether or not Economy Print Mode is enabled. When Economy Print Mode is enabled, the amount of toner used is reduced when printing many drawings.

Font/Form

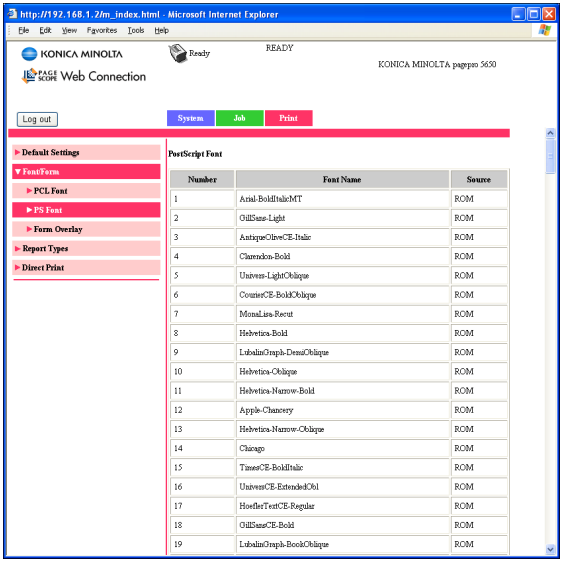
PCL Font



The **Print - Font/Form - PCL Font** page allows you to check the list of PCL fonts that the printer manages.

Item	Description
Number	Displays the control number of the font.
Font Name	Displays the name of the fonts.
Source	Displays the storage source of the font.

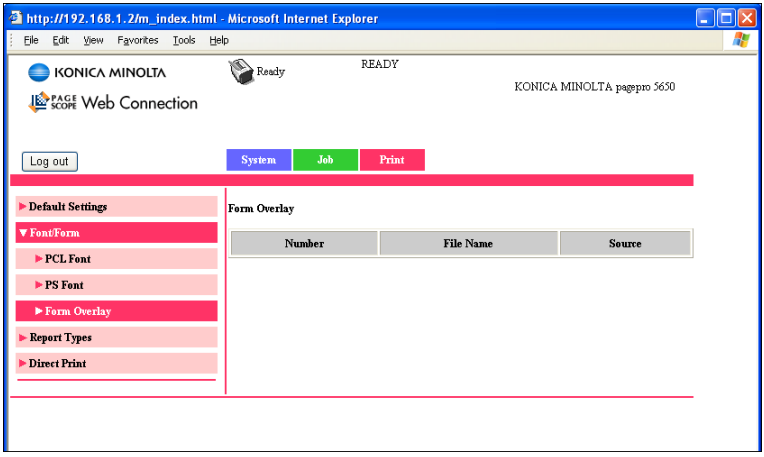
PS Font



The **Print - Font/Form - PS Font** page allows you to check the list of PostScript fonts that the printer manages.

Item	Description
Number	Displays the control number of the font.
Font Name	Displays the name of the fonts.
Source	Displays the storage source of the font.

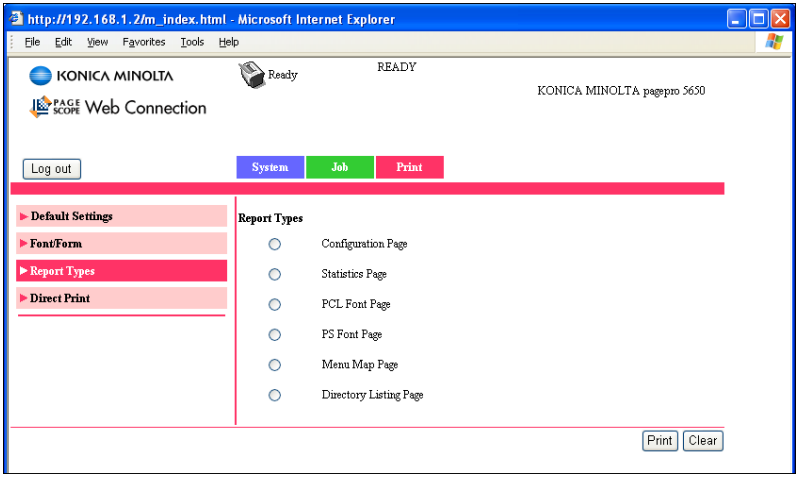
Form Overlay



The **Print - Font/Form - Form Overlay** page allows you to check the list of form overlays that the printer manages.

Item	Description
Number	Displays the control number of the overlay.
File Name	Displays the name of the overlays.
Source	Displays the storage source of the form overlay.

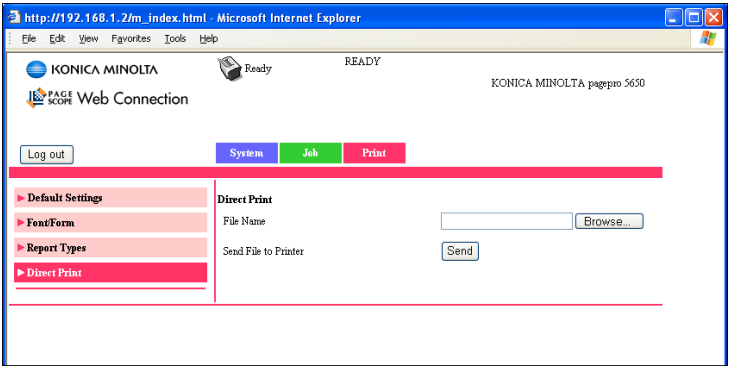
Report Types



The **Print - Report Types** window provides the following information.

Item	Description
Configuration Page	Prints the printer configuration page.
Statistics Page	Prints the statistics page such as the number of pages printed.
PCL Font Page	Prints the PCL font lists.
PS Font Page	Prints the PostScript font lists.
Menu Map Page	Prints the menu map.
Directory Listing Page	Prints the directory list. *This menu item appears only if a hard disk kit or a CompactFlash card is installed.*
Print button	Sends the page to the printer.
Clear button	Cancels the selected settings.

Direct Print



The **Print - Direct Print** page allows you to print a file directly from the printer without starting up the application.

This page appears only if a hard disk kit or a CompactFlash card is installed.

*This page appears when both **Public Access** (in the **Network - Authentication - User Authentication** page) and **Print** (in the **System - Authentication - Default Permission Settings**) are set to **Allow**.*

The following file formats can be printed using direct printing: PDF, XPS, TIF and JPEG.

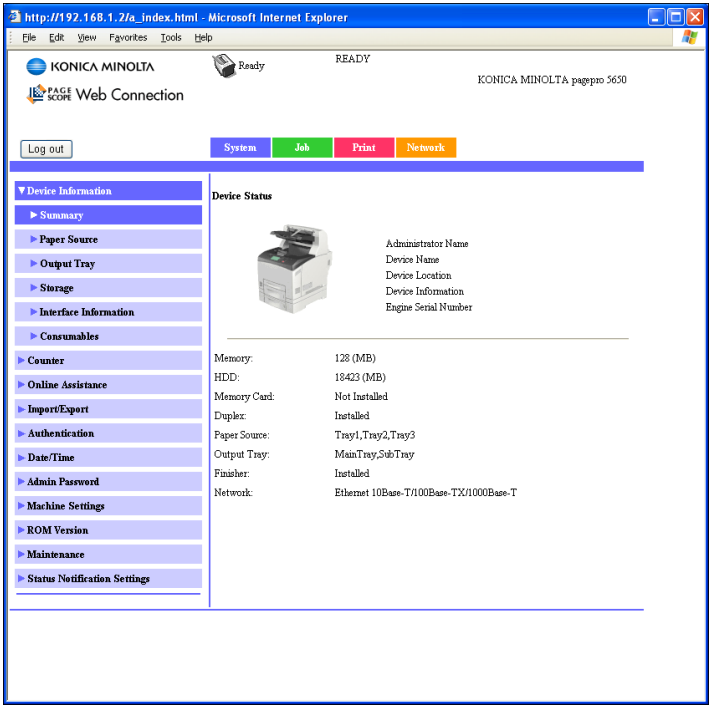
Item	Description
File Name	Specify the location of the file to be printed. Click **Browse**, and then select the file.
Browse button	Displays a dialog box for browsing to the file to be printed.
Send button	Sends the specified file to the printer.

Configuring the Printer

In order to make any configuration changes through PageScope Web Connection, you must first enter Administrator Mode. See “Administrator Mode” on page 131 for instructions on logging into Administrator Mode.

System Page

This page allows you to configure several user- and printer-specific items.



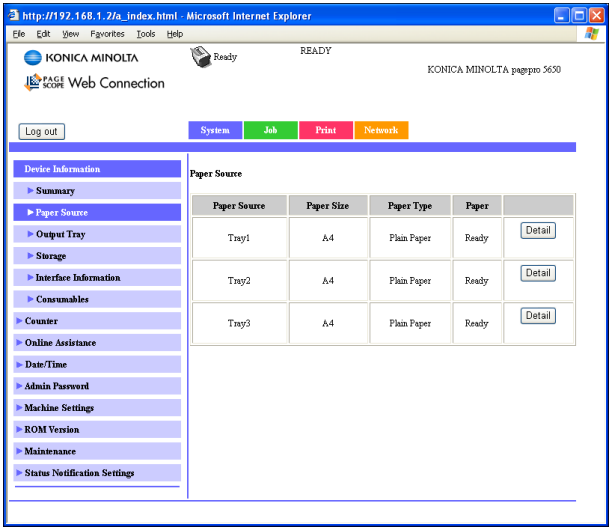
Device Information

Summary (previous page)

The **System - Device Information - Summary** window provides the following information.

Item	Description
Printer name/status	Shows the name assigned to your printer, and displays the current status of the printer-just as it's displayed on the printer's control panel message window. *The status display allows you to remotely identify possible printer problems, such as out of paper and out of toner.*
Device Status (Product image)	Identifies the type of printer that you are browsing. The printer is pictured in the illustration with its current configuration.
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk kit is installed in the printer, displays the size of the hard disk kit. If no optional hard disk kit is installed in the printer, displays “Not Installed”.
Memory Card	If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card. If no optional CompactFlash card is installed in the printer, displays “Not Installed”.
Duplex	Identifies whether the duplex is “Installed” or “Not Installed”.
Paper Source	Identifies the paper feed units installed on the printer.
Output Tray	Identifies the output trays installed on the printer.
Finisher	Identifies whether the offset tray is “Installed” or “Not Installed”.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

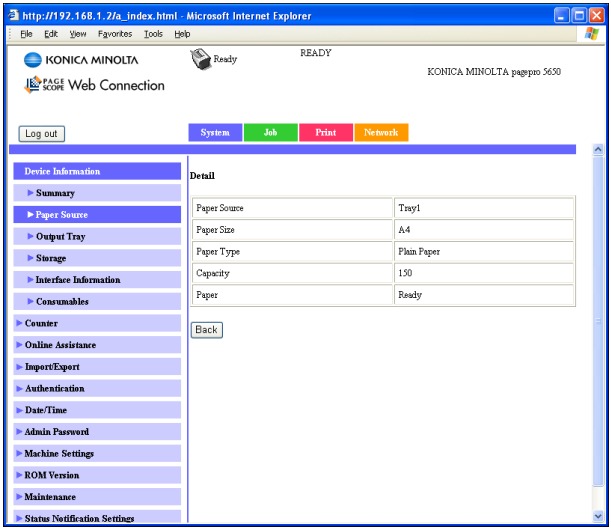
Paper Source



The **System - Device Information - Paper Source** window provides the following information.

Item	Description
Paper Source	Identifies the paper feed units Tray 1/2/3/4 installed on the printer.
Paper Size	Indicates the size of paper loaded in a specific tray.
Paper Type	Indicates the type of paper loaded in a specific tray.
Paper	Indicates the paper status (“Ready”, “Near Empty”or “Empty”) for each tray.
Detail button	Displays detailed information about the paper trays.

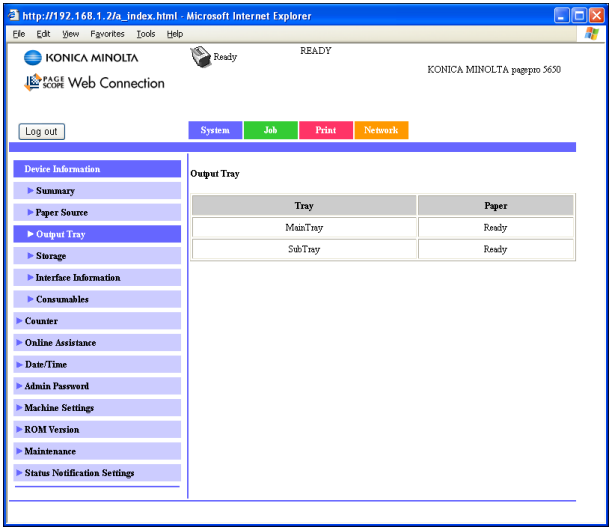
Paper Source (Detail)



The **System - Device Information - Paper Source - Detail** window provides the following information.

Item	Description
Paper Source	Displays the names of the paper trays.
Paper Size	Displays the paper sizes.
Paper Type	Displays the paper types.
Capacity	Displays the maximum capacity for each paper tray.
Paper	Displays the amount of paper remaining.
Back button	Returns to the previous screen.

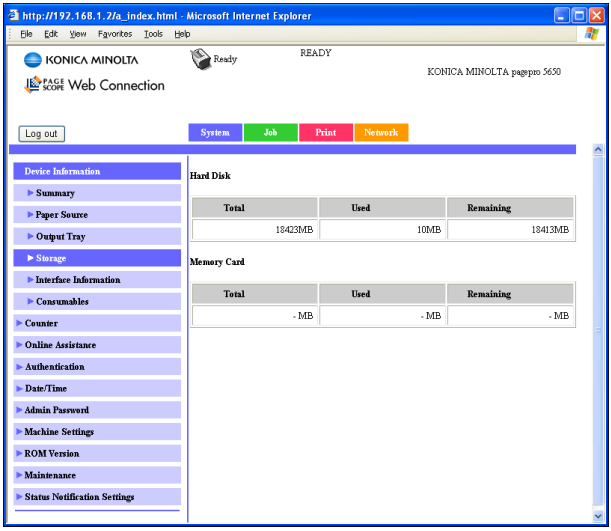
Output Tray



The **System - Device Information - Output Tray** window provides the following information.

Item	Description
Tray	Displays the names of the output trays.
Paper	Displays the status (Ready, Full) of the output trays.

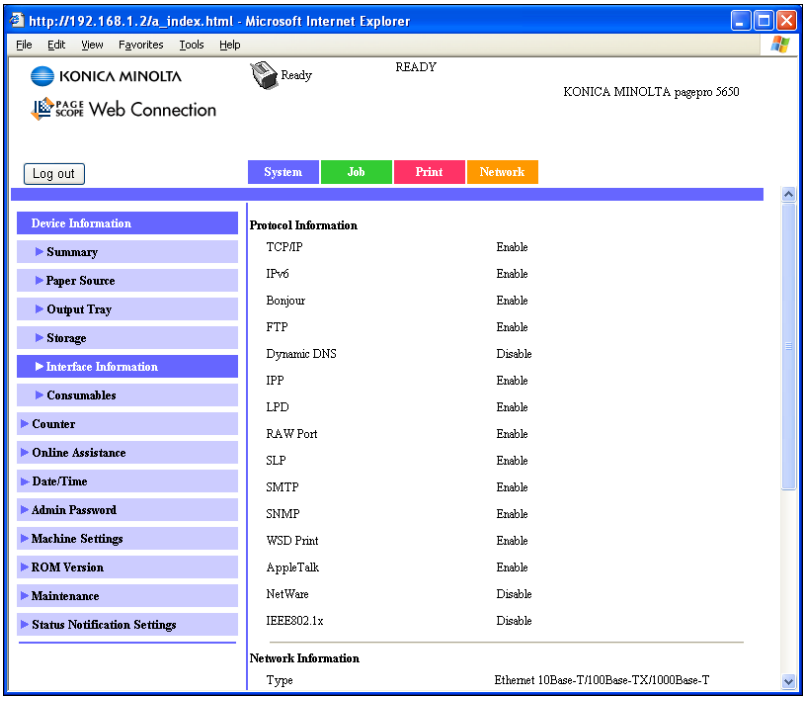
Storage



The **System - Device Information - Storage** window provides the following information.

Item	Description
Total	Displays the total amount of space on the hard disk and CompactFlash card. If no optional storages are installed, “-” are displayed.
Used	Displays the amount of space on the hard disk and CompactFlash card that are used. If no optional storages are installed, “-” are displayed.
Remaining	Displays the amount of space remaining on the hard disk and CompactFlash card. If no optional storages are installed, “-” are displayed.

Interface Information

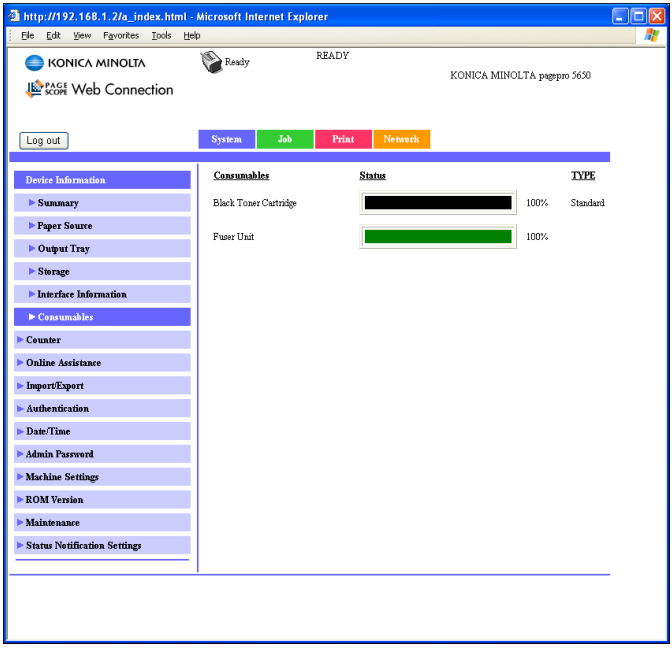


The **System - Device Information - Interface Information** window provides the following information.

Item		Description
Protocol Information	TCP/IP	If **Enable** is displayed, TCP/IP is enabled. If **Disable** is selected, TCP/IP is disabled.
	IPv6	If **Enable** is selected, IPv6 is enabled. If **Disable** is selected, IPv6 is disabled.
	Bonjour	If **Enable** is selected, Bonjour is enabled. If **Disable** is selected, Bonjour is disabled.
	FTP	If **Enable** is selected, FTP is enabled. If **Disable** is selected, FTP is disabled.
	Dynamic DNS	If **Enable** is selected, Dynamic DNS is enabled. If **Disable** is selected, Dynamic DNS is disabled.
	IPP	If **Enable** is displayed, IPP is enabled. If **Disable** is selected, IPP is disabled.
	LPD	If **Enable** is selected, LPD is enabled. If **Disable** is selected, LPD is disabled.
	RAW Port	If **Enable** is selected, RAW Port is enabled. If **Disable** is selected, RAW Port is disabled.
	SLP	If **Enable** is selected, SLP is enabled. If **Disable** is selected, SLP is disabled.
	SMTP	If **Enable** is selected, SMTP is enabled. If **Disable** is selected, SMTP is disabled.
	SNMP	If **Enable** is selected, SNMP is enabled. If **Disable** is selected, SNMP is disabled.
	WSD Print	If **Enable** is selected, WSD Print is enabled. If **Disable** is selected, WSD Print is disabled.
	AppleTalk	If **Enable** is displayed, AppleTalk is enabled. If **Disable** is selected, AppleTalk is disabled.
	NetWare	If **Enable** is displayed, NetWare is enabled. If **Disable** is selected, NetWare is disabled.
	IEEE802.1x	If **Enable** is selected, IEEE802.1x is enabled. If **Disable** is selected, IEEE802.1x is disabled.

Item		Description
Network Information	Type	Identifies the type of network interface installed on the printer (Ethernet 10Base-T/100Base-TX/1000Base-T).
	Ethernet Speed	Indicates the transmission speed for the network and the transmission method for bidirectional transmission.
	IP Address	Identifies the IP (Internet Protocol) address of the Ethernet interface.
	IPv6 Link Local Address	Identifies the IPv6 link local address of the Ethernet interface.
	IPv6 Global Address	Identifies the IPv6 global address of the Ethernet interface.
	MAC Address	Identifies the Media Access Control (MAC) address of the Ethernet interface.
	Host Name	Identifies the host name for the printer.
	Print Server Name (NetWare)	Identifies the Print Server Name for the NetWare.
	Printer Name (AppleTalk)	Identifies the printer name on AppleTalk.
	Current Zone Name (AppleTalk)	Identifies the Current Zone Name for the AppleTalk.
	Bonjour Name	Displays the Bonjour name for the printer.
	WSD Printer Name	Displays the WSD printer name for the printer.

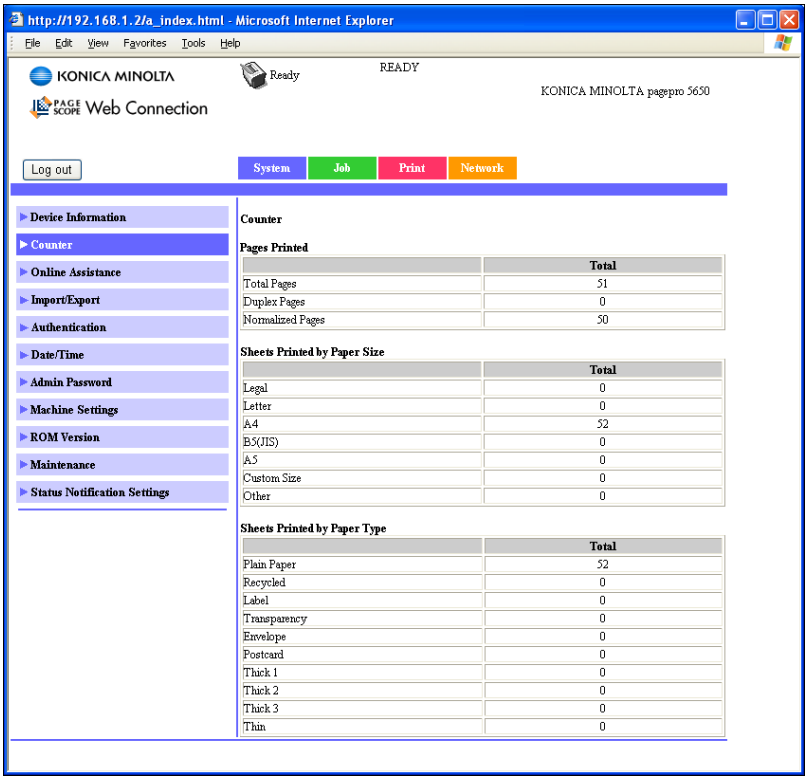
Consumables



The **System - Device Information - Consumables** window provides the following information.

Item	Description
Consumables	Identifies the type of consumable that is being monitored.
Status	Indicates the remaining life of the consumables. ■ Toner Cartridge, Fuser Unit: Percentage
TYPE	Identifies the type of Toner Cartridge. ■ Starter, Standard, High

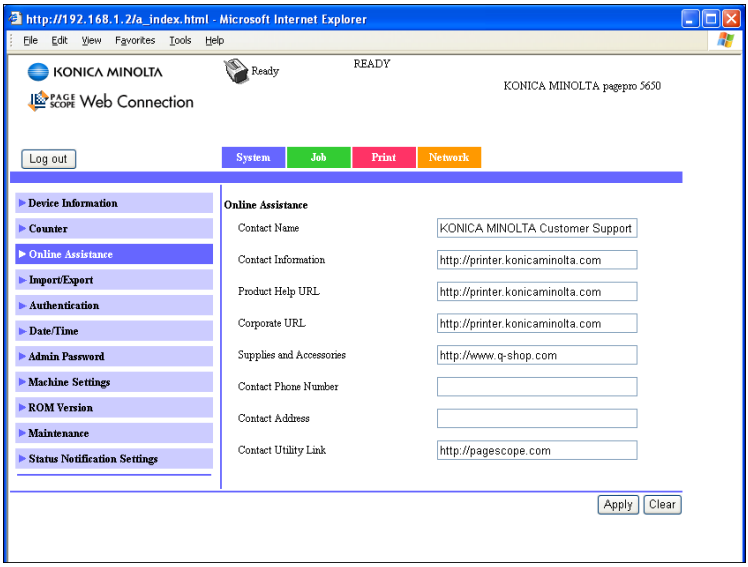
Counter



The **System - Counter** window provides the following information.

Item	Description
Pages Printed	Indicates the number of prints.
Sheets Printed by Paper Size	Indicates the number of prints grouped by Paper Size.
Sheets Printed by Paper Type	Indicates the number of prints grouped by Paper Type.

Online Assistance



The **System - Online Assistance** window allows you to configure the following items.

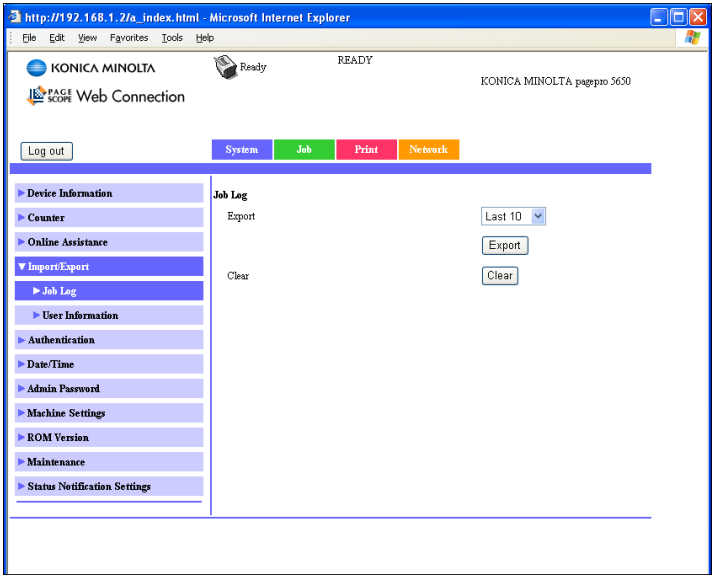
Item	Description
Contact Name	Sets the name of the person or organization responsible for providing assistance with the printer. Range: Up to 63 characters Default: KONICA MINOLTA Customer Support
Contact Information	Sets the web site for printer assistance. Range: Up to 127 characters Default: http://printer.konicaminolta.com
Product Help URL	Sets the help web site address for printer assistance. Range: Up to 127 characters Default: http://printer.konicaminolta.com
Corporate URL	Sets the KONICA MINOLTA corporate web site address. Range: Up to 127 characters Default: http://printer.konicaminolta.com

Item	Description
Supplies and Accessories	Sets the web address where you can purchase printer supplies and accessories. Range: Up to 127 characters Default: http://www.q-shop.com
Contact Phone Number	Specifies the telephone number of the printer administrator. Range: Up to 31 characters Default: [Blank]
Contact Address	Specifies the address of the printer administrator. Range: Up to 320 characters Default: [Blank]
Contact Utility Link	Specifies the link to the Printer Management Utilities. Range: Up to 127 characters Default: http://pagescope.com

Import/Export

This page appears only if a hard disk kit or a CompactFlash card is installed.

Job Log

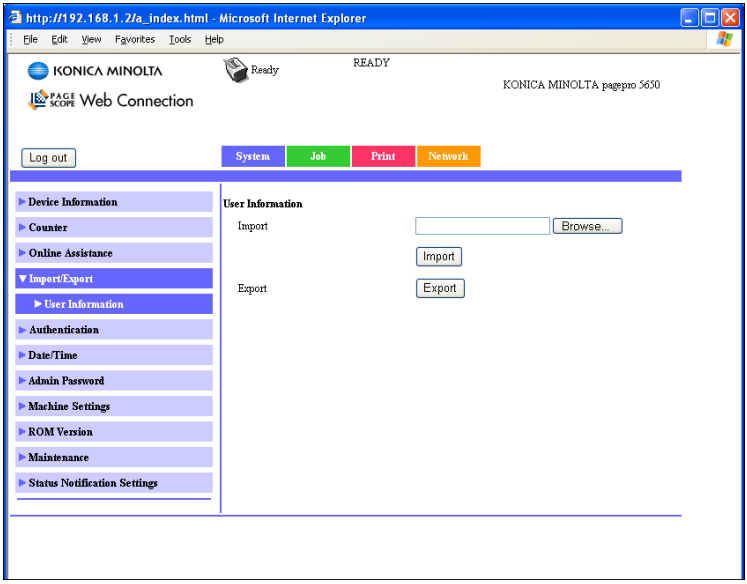


The **System - Import/Export - Job Log** window allows you to configure the following items.

*This page appears when **Job Log** (in the **System - Machine Settings** page) is set to **Enable**.*

Item	Description
Export	Specify the number of job logs to be retrieved. The specified number of job logs is retrieved from the most recent job logs. If the specified number of job logs is larger than the number of job logs available, all job logs are retrieved. Choices: Last 10, Last 50, Last 100, Last 250, Last 500, All Default: Last 10
Export button	Exports the job log information on the device to the computer.
Clear button	Clears the job log from the device.

User Information



The **System - Import/Export - User Information** window allows you to configure the following items.

*This page appears when **User Authentication** (in the **Network - Authentication - User Authentication** page) is set to **On**.*

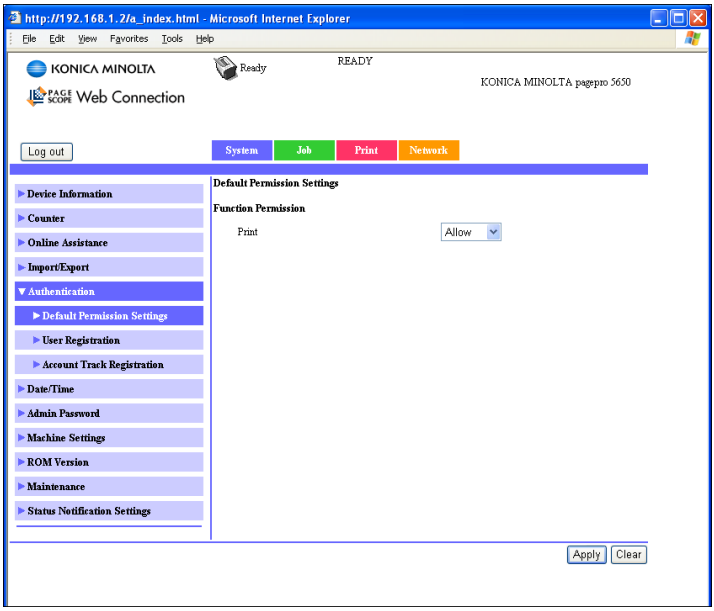
Item	Description
Import Text Box	Type in the name of the file containing the registered user authentication information to be imported.
Browse button	Allows the registered user authentication information transferred to the device to be searched.
Import button	Transfers the registered user authentication information to the device.
Export button	Exports the registered user authentication information to the computer.

Authentication

This page appears only if a hard disk kit or a CompactFlash card is installed.

*This page doesn't appear when both **User Authentication** and **Account Track** are set to **Off** and **Public Access** is set to **Restrict** (in the **Network - Authentication - User Authentication** page).*

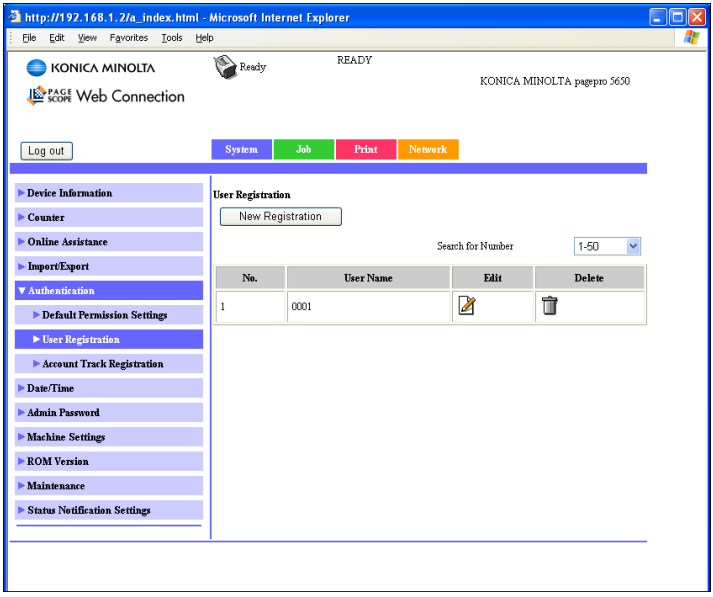
Default Permission Settings



The **System - Authentication - Default Permission Settings** window allows you to configure the following items.

Item		Description
Function Permission	Print	Select whether or not printing is permitted when public authentication is used. Choices: Allow, Restrict Default: Allow
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

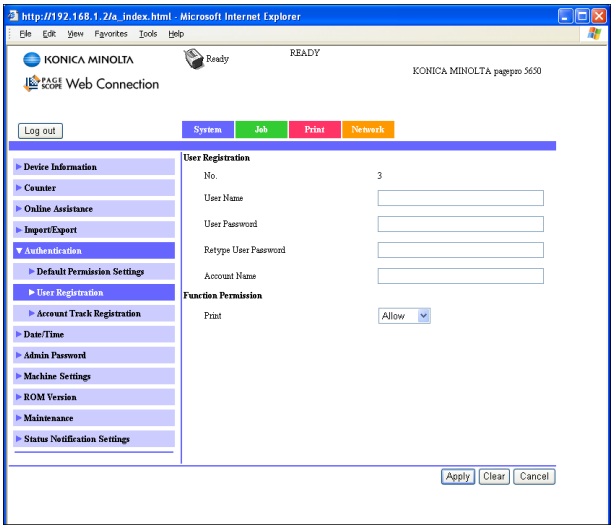
User Registration



The **System - Authentication - User Registration** window allows you to configure the following items.

Item	Description
Search for Number	Select the user registration number (No.) to be searched for. Range: 1 - 1000 Default: 1 - 50
No.	Shows the user registration number (No.) being registered.
User Name	Shows the user name being registered.
Edit icon	The information for the user being registered can be edited.
Delete icon	The user being registered can be deleted.
New Registration button	Registers a new user.

User Registration (New Registration)

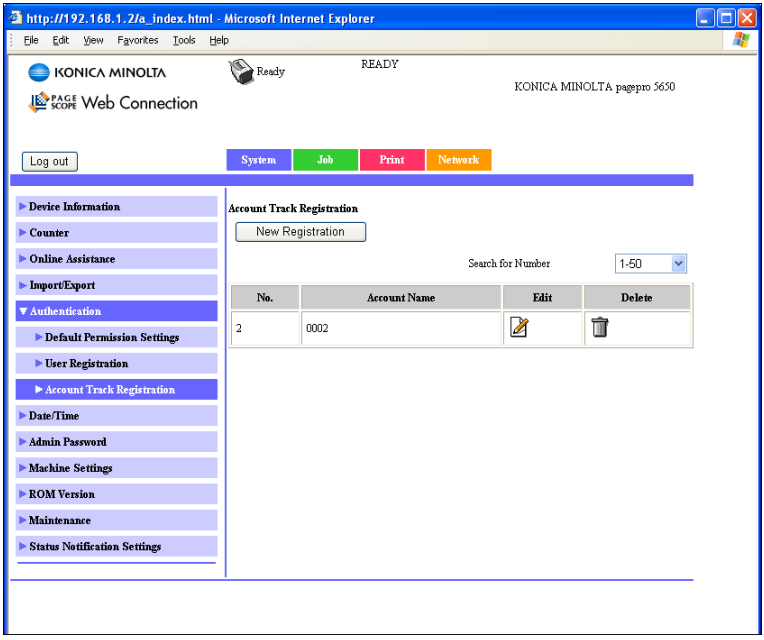


The **System - Authentication - User Registration - New Registration** window allows you to configure the following items.

Item		Description
User Registration	No.	Shows the new user registration number (No.).
	User Name	Specify the name of the new user. Range: Up to 64 characters Default: [Blank] *A user name that already exists cannot be specified.* *"Public" cannot be specified as the user name.*
	User Password	Specify the password of the new user. Range: Up to 64 characters Default: [Blank] *The User Password box can be left blank.*
	Retype User Password	Type in the new password again for confirmation. Range: Up to 64 characters Default: [Blank]

Item		Description
	Account Name	Specify the account that the user belongs to. Range: Up to 8 characters Default: [Blank] *Create the account in the **System - Authentication - Account Track Registration - New Registration** page, and then specify this setting. When specifying this setting, an account name that does not exist cannot be specified.* *This menu item appears only when both **User Authentication** and **Account Track** are set to **On** and **Synchronize User Authentication & Account Track** is set to **Synchronize** (in the **Network - Authentication - User Authentication** page).*
Function Permission	Print	Select whether or not the new user is permitted to print. Choices: Allow, Restrict Default: Allow
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.
Cancel button		Click to cancel the entered data and return to the **System - Authentication - User Registration** page.

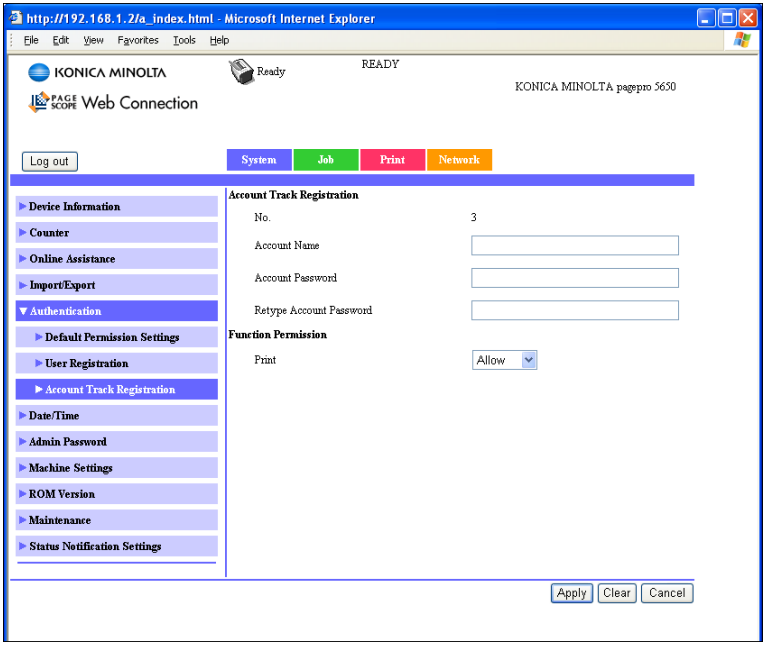
Account Track Registration



The **System - Authentication - Account Track Registration** window allows you to configure the following items.

Item	Description
Search for Number	Select the account registration number (No.) to be searched for. Range: 1 - 1000 Default: 1 - 50
No.	Shows the account registration number (No.) being registered.
Account Name	Shows the account name being registered.
Edit icon	The information for the account being registered can be edited.
Delete icon	The account being registered can be deleted.
New Registration button	Registers a new account.

Account Track Registration (New Registration)



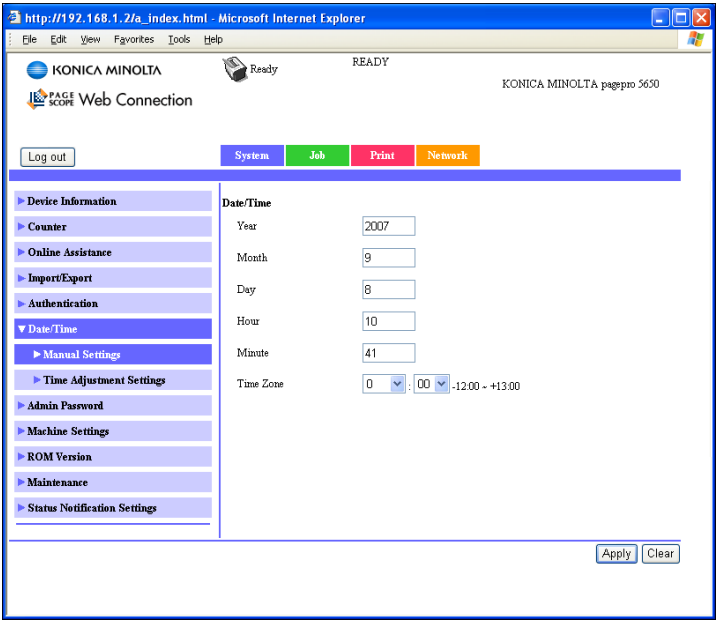
The **System - Authentication - Account Track Registration - New Registration** window allows you to configure the following items.

Item		Description
Account Track Registration	No.	Shows the new account registration number (No.).
	Account Name	Specify the name of the new account. Range: Up to 8 characters Default: [Blank] *An account name that already exists cannot be specified.*
	Account Password	Specify the password of the new account. Range: Up to 8 characters Default: [Blank]
	Retype Account Password	Type in the new password again for confirmation. Range: Up to 8 characters Default: [Blank]

Item		Description
Function Permission	Print	Select whether or not the new account is permitted to print. Choices: Allow, Restrict Default: Allow
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.
Cancel button		Click to cancel the entered data and return to the **System - Authentication - Account Track Registration** page.

Date/Time

Manual Settings

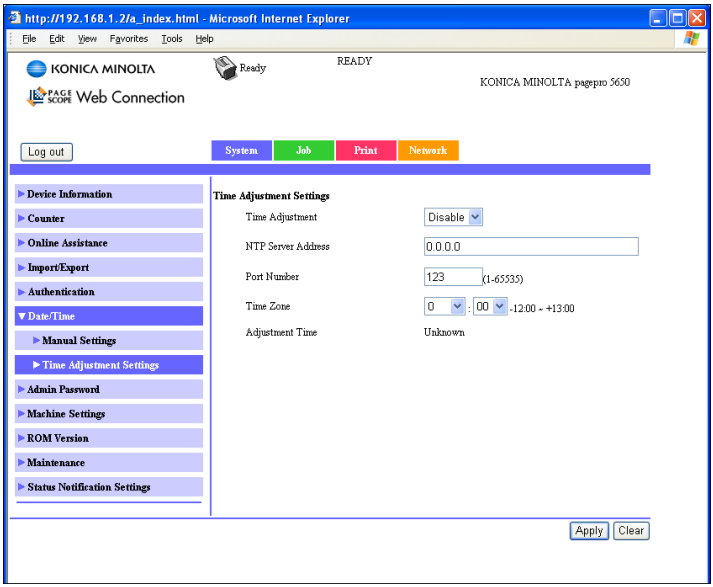


The **System - Date/Time - Manual Settings** window allows you to configure the following items:

Item	Description
Year	Specifies the year for the printer's internal clock. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - DATE`
Month	Specifies the month for the printer's internal clock. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - DATE`
Day	Specifies the day for the printer's internal clock. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - DATE`

Item	Description
Hour	Specifies the hour for the printer's internal clock. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - TIME`
Minute	Specifies the minute for the printer's internal clock. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - TIME`
Time Zone	Specifies the time zone for sending e-mail notifications. Configuration Menu Equivalent: `SYS DEFAULT MENU - CLOCK - TIME ZONE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Time Adjustment Settings

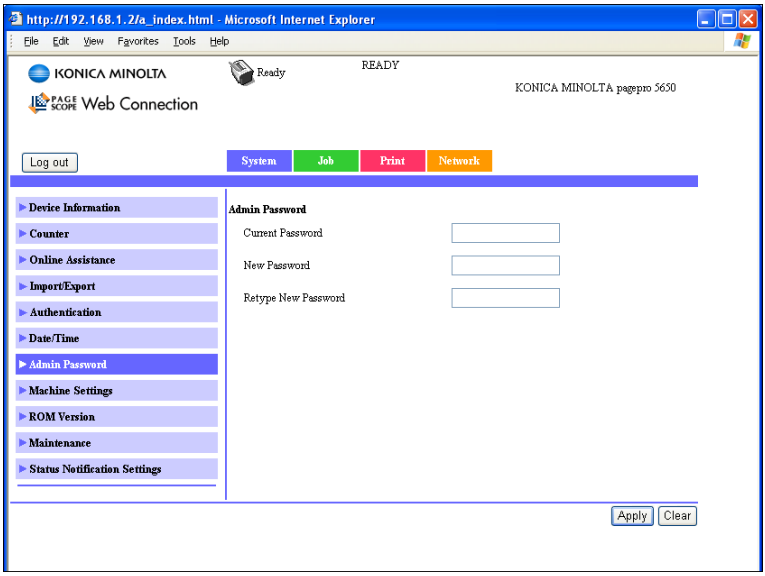


The **System - Date/Time - Time Adjustment Settings** window allows you to configure the following items:

Item	Description
Time Adjustment	Select whether or not the time is automatically adjusted with NTP. Choice: Enable, Disable Default: Disable
NTP Server Address	Specifies the NTP server address. IPv4 address, IPv6 address or FQDN (Fully Qualified Domain Name) can be specified. Range: Up to 63 characters Default: 0.0.0.0
Port Number	Specifies the NTP server port number. Range: 1-65535 Default: 123
Time Zone	Specifies the time difference from GMT. Range: -12:00 - +13:00 Default: 0:00

Item	Description
Adjustment Time	Shows the last modification date and time. Default: Unknown
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Admin Password



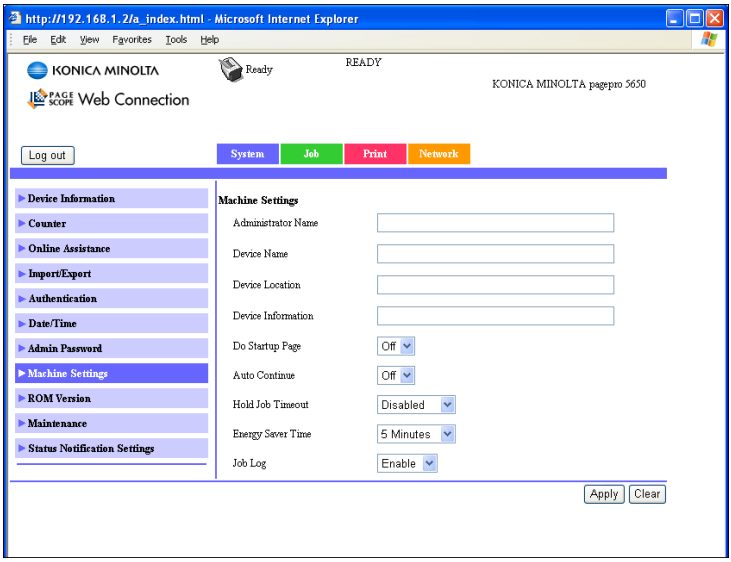
The **System - Admin Password** window allows you to configure the following items:

Item	Description
Current Password	Type in the current password. Range: Up to 16 characters Default: [Blank]
New Password	Sets a new password to enter Administrator Mode. Range: Up to 16 characters Default: [Blank] *Passwords can be set to any string of numbers and letters (uppercase and lowercase) up to 16 characters in length.*

Item	Description
Retype Password	Verifies the new password typed in the **New Password** text box. Range: Up to 16 characters Default: [Blank] *If the password typed in three text boxes doesn't match, the following message displays when you choose the **Apply** button: "Password was changed unsuccessfully. Please retry." Click **OK** button, and then retype the passwords in both text boxes.*
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

If you forget the new password you've assigned, use the printer's `SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE NETWORK` *menu to reset the password (and all other network configuration choices) to "administrator".*

Machine Settings



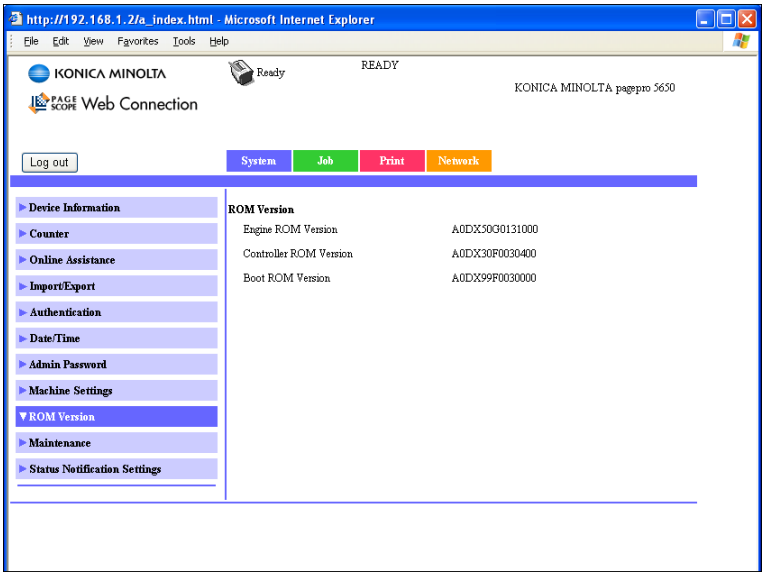
The **System - Machine Settings** window allows you to configure the following items:

Item	Description
Administrator Name	Specifies the name of the administrator for the printer. Range: Up to 127 characters Default: [Blank]
Device Name	Specifies the name of the printer. Range: Up to 127 characters Default: [Blank]
Device Location	Specifies the setup location for the printer. Range: Up to 127 characters Default: [Blank]
Device Information	Specifies the information of the printer. Range: Up to 127 character Default: [Blank]

Item	Description
Do Startup Page	Selects whether or not a startup page is printed when the printer is turned on. Choices: On, Off Default: Off Configuration Menu Equivalent: `SYS DEFAULT MENU - STARTUP OPTIONS - DO STARTUP PAGE`
Auto Continue	Selects whether or not printing continues if the size or type of paper in the selected paper tray is different from the size or type of paper for the print job. Choices: On, Off Default: Off Configuration Menu Equivalent: `SYS DEFAULT - AUTO CONTINUE`
Hold Job Timeout	Specifies the length of time until print jobs saved on the hard disk are deleted. If Disable is selected, print jobs are not deleted at a specific time. Choices: Disabled, One Hour, Four Hours, One Day, One Week Default: Disabled Configuration Menu Equivalent: `SYS DEFAULT MENU - HOLD JOB TIMEOUT` *This menu item appears only if an optional hard disk kit is installed.*
Energy Saver Time	Specifies the length of time until the machine enters Energy Saver mode. Choices: 5 - 15 Minutes, 30 Minutes, 1 Hour Default: 15 Minutes Configuration Menu Equivalent: `SYS DEFAULT MENU - ENERGY SAVER TIME`

Item	Description
Job Log	Select whether or not the Job Log function is used. Choices: Enable, Disable Default: Disable *This menu item appears only if a hard disk kit or a CompactFlash card is installed.*
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

ROM Version



The **System - ROM Version** window provides the following information.

Item	Description
Engine ROM Version	Displays the ROM version of the printer engine.
Controller ROM Version	Displays the ROM version of the printer controller.
Boot ROM Version	Displays the ROM version of the Boot ROM.

Maintenance

Clear Settings

The **System - Maintenance - Clear Settings** page allows you to reset the printer settings to its factory defaults.

Item	Description
Printer Settings	Resets the printer settings to their defaults. Configuration Menu Equivalent: `SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE PRINTER`
Network Settings	Resets the network settings to their defaults. Configuration Menu Equivalent: `SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE NETWORK`
All Settings	Resets all settings to their defaults. Configuration Menu Equivalent: `SYS DEFAULT MENU - RESTORE DEFAULTS - RESTORE ALL`

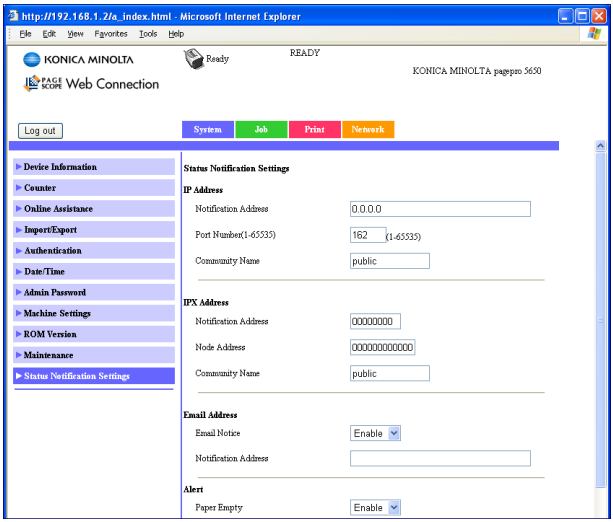
Item	Description
Clear button	When clicked, the message “Is it OK to restore Factory Defaults?” appears. Click **OK** to automatically restart the printer and return the settings to their default values.

Reset Printer

The **System - Maintenance - Reset Printer** page allows you to reset the printer controller.

Item	Description
Reset button	When clicked, the message “Is it OK to reset the Printer?” appears. Click **OK** to automatically restart the printer.

Status Notification Settings



The **System - Status Notification Settings** window allows you to configure the following items:

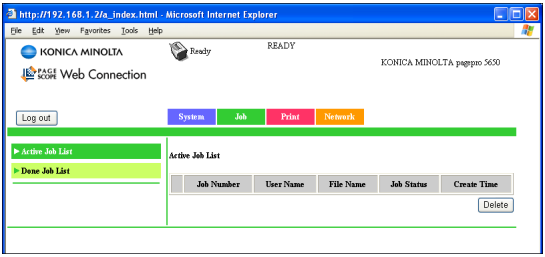
Item		Description
IP Address	Notification Address	Specify the IP address of the SNMP trap receiver. An IPv4 or IPv6 address or a host name can be specified. Range: Up to 63 characters Default: 0.0.0.0
	Port Number(1-65535)	Specify the port number of the SNMP trap. Range: 1 - 65535 Default: 162
	Community Name	Specify the community name for the SNMP trap. Range: Up to 15 characters Default: public

Item		Description
IPX Address	Notification Address	Specify the IPX address of the SNMP trap receiver. Range: 8 characters Default: 00000000
	Node Address	Specify the node address of the SNMP trap receiver. Range: 12 characters Default: 000000000000
	Community Name	Specify the community name for the SNMP trap. Range: Up to 15 characters Default: public
Email Address	Email Notice	Specifies whether or not a notification is sent by e-mail when a warning occurs in the printer. Choices: Enable, Disable Default: Enable
	Notification Address	Specifies the e-mail address where the notification is sent. Range: Up to 320 characters Default: [Blank]
Alert	Paper Empty	Specifies whether or not a notification is sent when the paper tray runs out of paper. Choices: Enable, Disable Default: Enable
	Paper Jam	Specifies whether or not a notification is sent when a paper misfeed occurs. Choices: Enable, Disable Default: Enable
	Maintenance	Specifies whether or not a notification is sent when the time for a periodic maintenance has been reached. Choices: Enable, Disable Default: Enable

Item		Description
	Toner Out	Specifies whether or not a notification is sent when the toner is empty. Choices: Enable, Disable Default: Enable
	Output Tray Full	Specifies whether or not a notification is sent when the output tray has become full. Choices: Enable, Disable Default: Enable
	Operator Call	Specifies whether or not a notification is sent when the operator must be called. Choices: Enable, Disable Default: Enable
	Service Call	Selects whether or not notification is sent to the service representative when a condition occurs that requires servicing. Choices: Enable, Disable Default: Enable
	Job Complete	Specifies whether or not a notification is sent when a print job is completed correctly. Choices: Enable, Disable Default: Enable
	Job Error	Specifies whether or not a notification is sent when a job could not be printed because an error occurred. Choices: Enable, Disable Default: Enable
Apply button	Applies the configuration settings for this window.	
Clear button	Resets all configuration settings to previous values.	

Job Page

This page allows you to view the status of current print jobs.

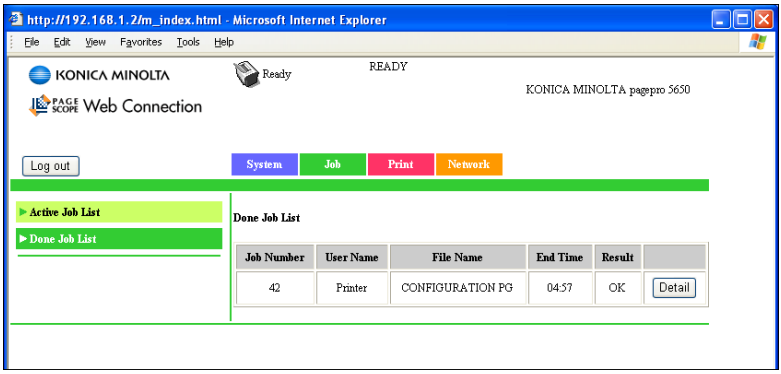


Active Job List (shown above)

The **Job - Active Job List** window provides the following information for up to 49 print jobs:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending or Abort).
Create Time	Displays the time that the job was queued.
Delete button	Deletes the print job(s) whose check boxes in column 1 are checked.

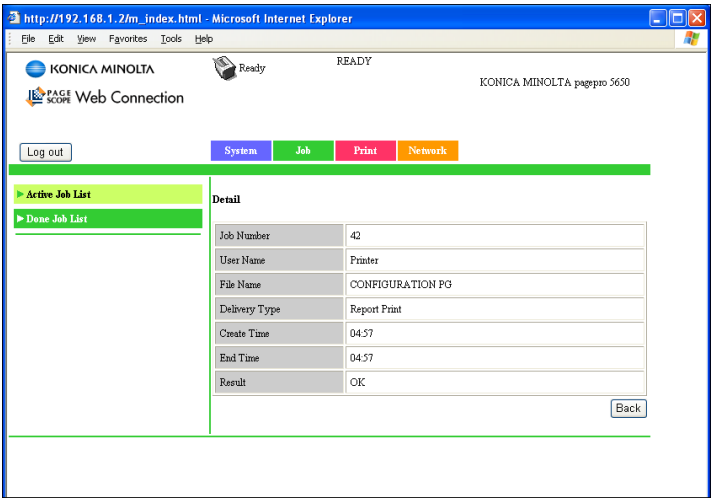
Done Job List



The **Job - Done Job List** window provides the following information for up to 49 print jobs:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Detail button	Displays a screen containing details.

Done Job List (Detail)



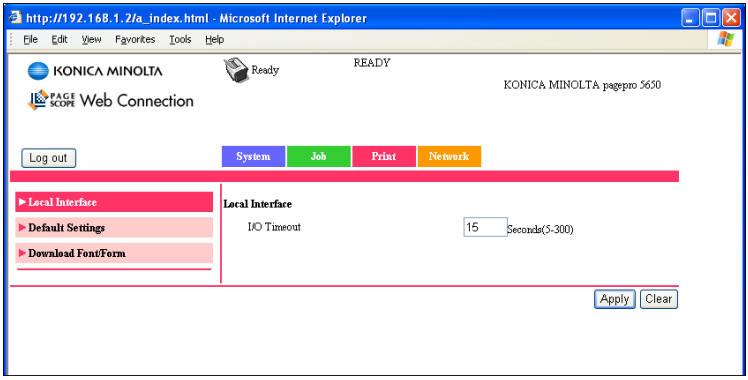
The **Job - Done Job List - Detail** window provides the following information for the selected job:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.
Delivery Type	Displays the delivery method for the job.
Create Time	Displays the time that the job was queued.
End Time	Displays the time that printing finished.
Result	Displays the result of the print job (OK, Error, or Canceled).
Back button	Returns to the previous screen.

Print Page

This page allows more detailed printer settings to be specified.

Local Interface



The **Print - Local Interface** window allows you to configure the following items:

Item	Description
I/O Timeout	Specifies the reception timeout (in seconds). Range: 5-300 Default: 15 Configuration Menu Equivalent: `INTERFACE MENU - JOB TIMEOUT`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Default Settings

General Settings

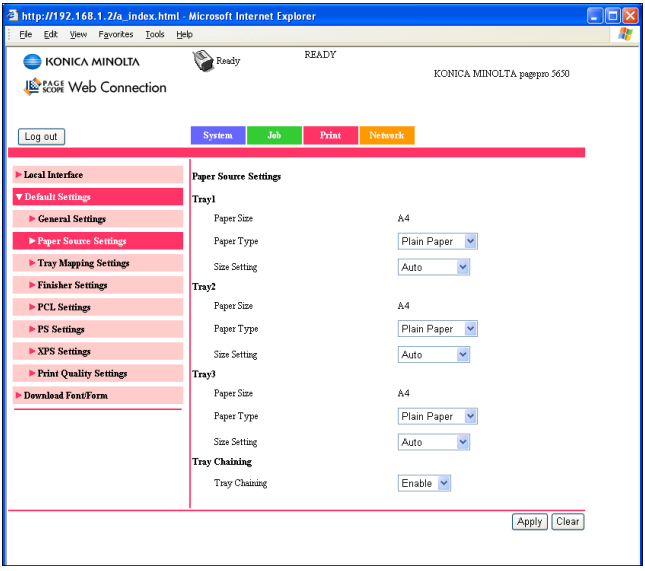
The **Print - Default Settings - General Settings** window allows you to configure the following items:

Item	Description
PDL	Selects default language to be selected. Choices: Auto, PCL, PS Default: Auto Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - DEF. EMULATION`
Paper Source	The paper tray that is normally used can be specified. Choices: Tray1, Tray2, Tray3, Tray4 Default: Tray1 Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - DEFAULT TRAY` ***Tray3*** *and* ***Tray4*** *appear only if an optional lower feeder unit are installed.*

Item	Description
Duplex	If **Long-Edge Binding** is selected, the pages will be printed on both sides of the paper for long-edge binding. If **Short-Edge Binding** is selected, the pages will be printed on both sides of the paper for short-edge binding. Choices: Off, Short-Edge Binding, Long-Edge Binding Default: Off Configuration Menu Equivalent: `PAPER MENU - DUPLEX` *This menu item appears only if the duplex is installed.*
Output Tray	Displays the name of the output tray.
Copies	Specifies the default setting for number of copies to be printed. Range: 1-9999 Default: 1 Configuration Menu Equivalent: `PAPER MENU - COPIES`
Paper Size	Specifies the default setting for the size of paper. Configuration Menu Equivalent: `SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER SIZE`
Width	Specifies the paper width when **Paper Size** is set to **Custom Size**. Range: 3.00 - 8.50 (inch) / 76 - 216 (mm) Configuration Menu Equivalent: `SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - WIDTH`
Length	Specifies the paper length when **Paper Size** is set to **Custom Size**. Range: 5.00 - 14.00 (inch) / 127 - 356 (mm) Configuration Menu Equivalent: `SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - LENGTH`

Item	Description
Paper Type	Specifies the default setting for the type of paper. Choices: Plain Paper, Recycled, Thick 1, Thick 2, Thick 3, Thin, Label, Transparency, Envelope, Postcard. Default: Plain Paper Configuration Menu Equivalent: `SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER TYPE` *Thick 3 and Thin appear only when pagepro 5650EN is used.*
Collate	If **On** is selected, all pages in a copy of the document can be printed before printing the next copy. If **Off** is selected, all copies of the document are not printed separately. Choices: On, Off Default: Off Configuration Menu Equivalent: `PAPER MENU - COLLATE` *This menu item appears only if a hard disk kit or a CompactFlash card of 1 GB or more is installed.*
Unit of Measure	The unit for specifying the size of custom paper can be specified between inches and millimeters. Choices: Inches, Millimeters Configuration Menu Equivalent: `SYS DEFAULT MENU - PAPER - UNIT OF MEASURE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Paper Source Settings



The **Print - Default Settings - Paper Source Settings** window allows you to configure the following items:

Item		Description
Tray1	Paper Size	Specifies the setting for the size of paper loaded into Tray 1. Default: Letter (U.S. model) A4 (Other model) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY1 - PAPER SIZE`
	Width	Specifies the paper width when **Paper Size** is set to **Custom Size**. Range: 3.00- 8.50 (inch) / 76 - 216 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - WIDTH`

Item		Description
	Length	Specifies the paper length when **Paper Size** is set to **Custom Size**. Range: 5.00 - 35.43 (inch) / 127 - 900 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - LENGTH`
	Paper Type	Specifies the setting for the type of paper loaded into Tray 1. Default: Any, Plain Paper, Recycled, Thick 1, Thick 2, Thick 3, Thin, Label, Transparency, Envelope, Postcard Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY1 - PAPER TYPE` *Thick 3 and Thin appear only when pagepro 5650EN is used.*
	Size Settings	Specifies whether the paper size for Tray 1 is automatically detected or set by a user. Choices: Auto, User Select Default: Auto Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY1 - SIZE SETTING`

Item		Description
Tray2	Paper Size	Specifies the setting for the size of paper loaded into Tray 2. Default: Letter (U.S. model) A4 (other model) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY2 - PAPER SIZE`
	Width	Specifies the paper width when **Paper Size** is set to **Custom Size**. Range: 3.87- 8.50 (inch) / 98 - 216 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - WIDTH`
	Length	Specifies the paper length when **Paper Size** is set to **Custom Size**. Range: 5.83 - 14.00 (inch) / 148 - 356 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - LENGTH`
	Paper Type	Specifies the setting for the type of paper loaded into Tray 2. Default: Any, Plain Paper, Recycled, Thick 1, Thick 2, Thick 3, Thin, Label, Transparency, Envelope, Postcard Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY2 - PAPER TYPE` *Thick 3 and Thin appear only when pagepro 5650EN is used.*

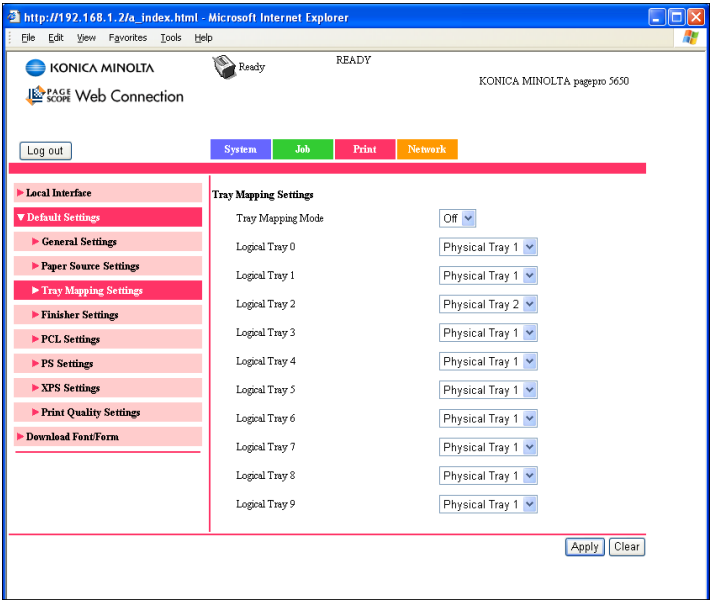
Item		Description
	Size Settings	Specifies whether the paper size for Tray 2 is automatically detected or set by a user. Choices: Auto, User Select Default: Auto Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY2 - SIZE SETTING`
Tray3 This item appears only if an optional lower feeder unit is installed.	Paper Size	Displays the setting for the size of paper loaded into Tray 3. Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY3 - PAPER SIZE`
	Width	Specifies the paper width when **Paper Size** is set to **Custom Size**. Range: 3.87- 8.50 (inch) / 98 - 216 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY3 - CUSTOM SIZE - WIDTH`
	Length	Specifies the paper length when **Paper Size** is set to **Custom Size**. Range: 5.83 - 14.00 (inch) / 148 - 356 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY3 - CUSTOM SIZE - LENGTH`

Item		Description
	Paper Type	Specifies the setting for the type of paper loaded into Tray 3. Default: Any, Plain Paper, Recycled, Thick 1, Thick 2, Thick 3, Thin, Label, Transparency, Envelope, Postcard Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY3 - PAPER TYPE` *Thick 3 and Thin appear only when pagepro 5650EN is used.*
	Size Settings	Specifies whether the paper size for Tray 3 is automatically detected or set by a user. Choices: Auto, User Select Default: Auto Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY3 - SIZE SETTING`
Tray4 This item appears only if an optional lower feeder unit is installed.	Paper Size	Displays the setting for the size of paper loaded into Tray 4. Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY4 - PAPER SIZE`
	Width	Specifies the paper width when **Paper Size** is set to **Custom Size**. Range: 3.87- 8.50 (inch) / 98 - 216 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY4 - CUSTOM SIZE - WIDTH`

Item		Description
	Length	Specifies the paper length when **Paper Size** is set to **Custom Size**. Range: 5.83 - 14.00 (inch) / 148 - 356 (mm) Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY4 - CUSTOM SIZE - LENGTH`
	Paper Type	Specifies the setting for the type of paper loaded into Tray 4. Default: Any, Plain Paper, Recycled, Thick 1, Thick 2, Thick 3, Thin, Label, Transparency, Envelope, Postcard Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY4 - PAPER TYPE` *Thick 3 and Thin appear only when pagepro 5650EN is used.*
	Size Settings	Specifies whether the paper size for Tray 4 is automatically detected or set by a user. Choices: Auto, User Select Default: Auto Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY4 - SIZE SETTING`

Item		Description
Tray Chaining	Tray Chaining	If **Enable** is selected and the specified paper tray runs out of paper during printing, a paper tray loaded with paper of the same size is automatically selected so printing can continue. If **Disable** is selected and the specified paper tray runs out of paper, printing stops. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY CHAINING`
Apply button	Applies the configuration settings for this window.	
Clear button	Resets all configuration settings to previous values.	

Tray Mapping Settings



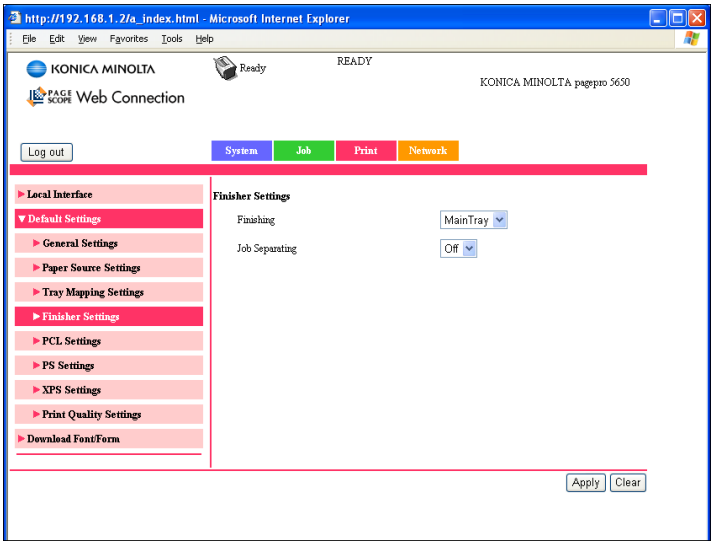
The **Print - Default Settings - Tray Mapping Settings** window allows you to configure the following items:

Item	Description
Tray Mapping Mode	Select whether or not the Tray Mapping function is used. Choices: On, Off Default: Off Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY MAPPING - TRAY MAPPING MODE`

Logical Tray 0-9	Select the tray that is used for printing when a print job is received from another manufacturer's printer driver. The default setting for **Logical Tray 2** is **Physical Tray 2**. The default settings for all other trays are **Physical Tray 1**. Choices: Physical Tray1, Physical Tray2, Physical Tray3, Physical Tray4 Configuration Menu Equivalent: `PAPER MENU - PAPER SOURCE - TRAY MAPPING - LOGICAL TRAY0-9` *Physical Tray3 and Physical Tray4 appear only if an optional lower feeder unit is installed.*
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Finisher Settings

This page appears only if an optional offset tray is installed.

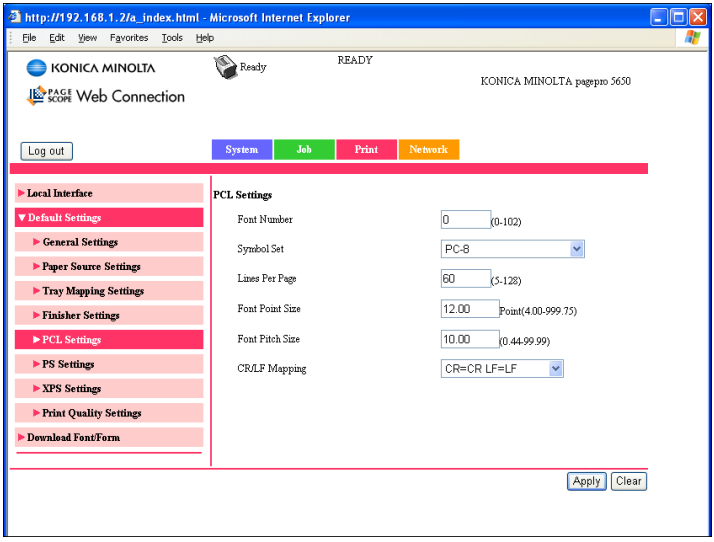


The **Print - Default Settings - Finisher Settings** window provides the following information.

Item	Description
Finishing	When **Sub Tray** is selected, the paper is fed to the sub output tray. When **Main Tray** is selected, the paper is fed to the main output tray. When **Offset** is selected, the paper is fed to the sub output tray with each copy slightly shifted. Choices: Sub Tray, Main Tray, Offset Default: Main Tray Configuration Menu Equivalent: `PAPER MENU - FINISHING`
Job Separating	The paper is fed to the sub output tray with each print job slightly shifted. Choices: On, Off Default: Off Configuration Menu Equivalent: `PAPER MENU - JOB SEPARATION`
Apply button	Applies the configuration settings for this window.

Item	Description
Clear button	Resets all configuration settings to previous values.

PCL Settings

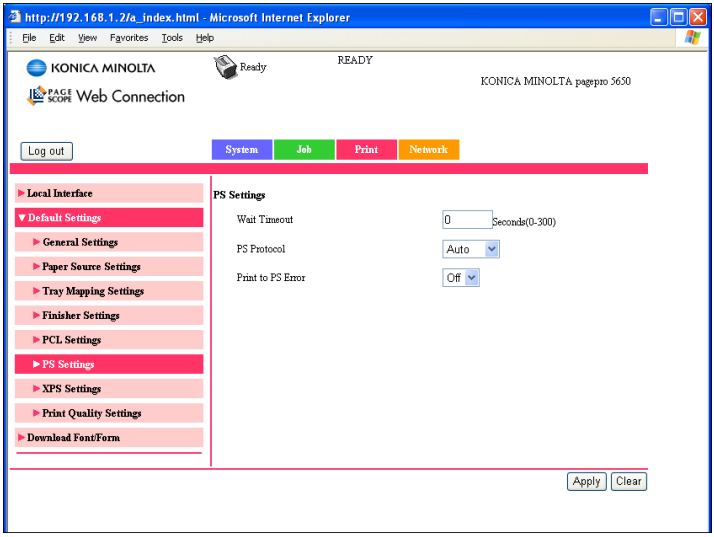


The **Print - Default Settings - PCL Settings** window allows you to configure the following items:

Item	Description
Font Number	Sets the default font in the PCL language. Range: 0 - 102 Default: 0 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - FONT NUMBER`
Symbol Set	Selects the symbol set used with the PCL language. Default: PC-8 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - SYMBOL SET`

Item	Description
Lines Per Page	Selects how many lines are in a page in PCL language. Range: 5 - 128 Default: 60 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - LINES PER PAGE`
Font Point Size	Sets the font size in the PCL language. Range: 4.00 - 999.75 Default: 12.00 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - POINT SIZE`
Font Pitch Size	Sets the font pitch in the PCL language. Range: 0.44 - 99.99 Default: 10.00 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - FONT SOURCE - PITCH SIZE`
CR/LF Mapping	Selects CR/LF code definition in PCL language. Choices: CR=CR LF=LF, CR=CRLF LF=LF, CR=CR LF=LFCR, CR=CRLF LF=LFCR Default: CR=CR LF=LF Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - PCL - CR/LF MAPPING`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

PS Settings

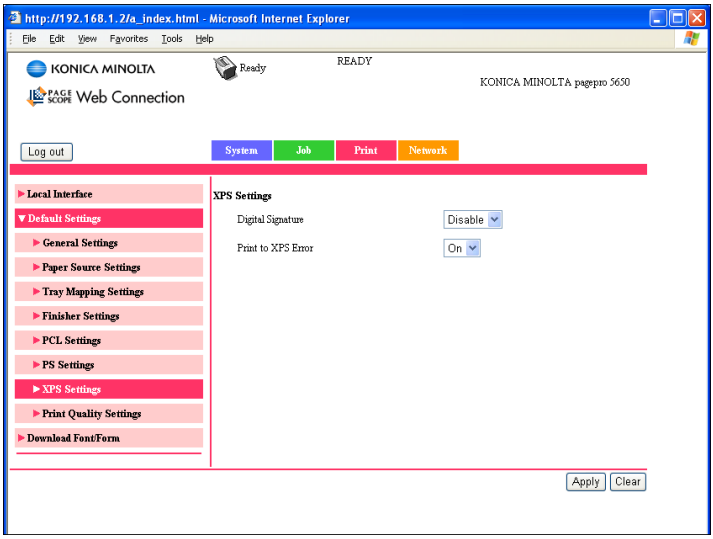


The **Print - Default Settings - PS Settings** window allows you to configure the following items:

Item	Description
Wait Timeout	Sets Postscript timeout. “0” means that no time-out control is effective. Range: 0 - 300 (in seconds) Default: 0 Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - POSTSCRIPT - WAIT TIMEOUT`
PS Protocol	Specifies the PS protocol. Choices: Auto, Normal, Binary Default: Auto Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - POSTSCRIPT - PS PROTOCOL`

Item	Description
Print to PS Error	Specifies whether or not error printing is performed. Choices: On, Off Default: Off Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - POSTSCRIPT - PS ERROR PAGE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

XPS settings

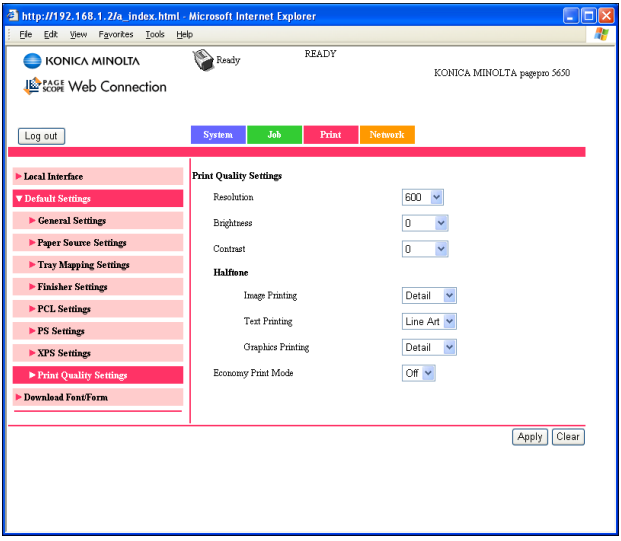


The **Print - Default Settings - XPS Settings** window allows you to configure the following items:

This page appears only if a hard disk kit or a CompactFlash card is installed.

Item	Description
Digital Signature	Specify whether to verify digital signature. When **Enable** is selected, the document without a valid digital signature is not printed. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - XPS - DIGITAL SIGNATURE`
Print to XPS Error	Specify whether to print error message when an error occurs during XPS print. Choices: On, Off Default: On Configuration Menu Equivalent: `SYS DEFAULT MENU - EMULATION - XPS - XPS ERROR PAGE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Print Quality Settings



The **Print - Default Settings - Print Quality Settings** window allows you to configure the following items:

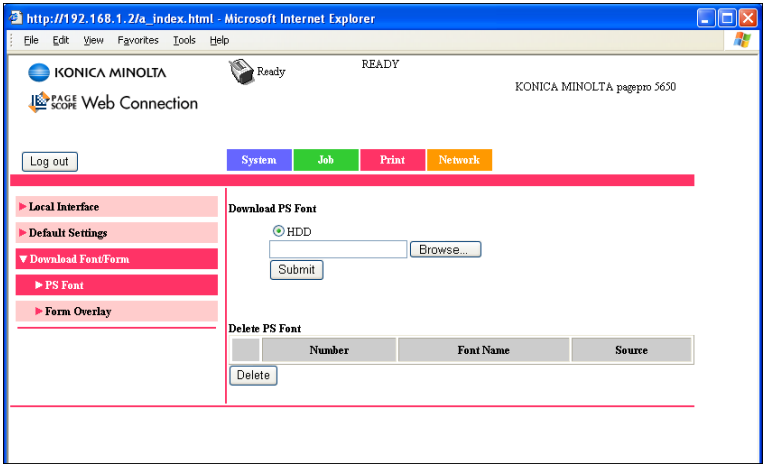
Item	Description
Resolution	Specifies the resolution of the printed image. Choices: 600, 1200 (dpi) Default: 600 Configuration Menu Equivalent: `QUALITY MENU - RESOLUTION`
Brightness	Specifies the brightness of the printed image. Choices: +15%, +10%, +5%, 0, -5%, -10%, -15% Default: 0 Configuration Menu Equivalent: `QUALITY MENU - BRIGHTNESS`
Contrast	Specifies the contrast of the printed image. Choices: +15%, +10%, +5%, 0, -5%, -10%, -15% Default: 0 Configuration Menu Equivalent: `QUALITY MENU - CONTRAST`
Halftone (Image/Text/Graphics Printing)	Specifies how halftones are reproduced. If **Line Art** is selected, halftones are reproduced with high precision. If **Detail** is selected, halftones are reproduced with detail. If **Smooth** is selected, halftones are reproduced with smoothness. Choices: Line Art, Detail, Smooth Default: Detail (Image/Graphics) Line Art (Text) Configuration Menu Equivalent: `QUALITY MENU - HALFTONE - IMAGE/TEXT/GRAPHICS PRINTING`

Item	Description
Economy Print Mode	Select whether to print graphics with a reduced density by reducing the amount of toner that is used. When Economy Print Mode is enabled, the amount of toner used is reduced when printing many drawings. Choices: On, Off Default: Off Configuration Menu Equivalent: `QUALITY MENU - ECONOMY PRINT`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Download Font/Form

This page appears only if a hard disk kit or a CompactFlash card is installed.

PS Font



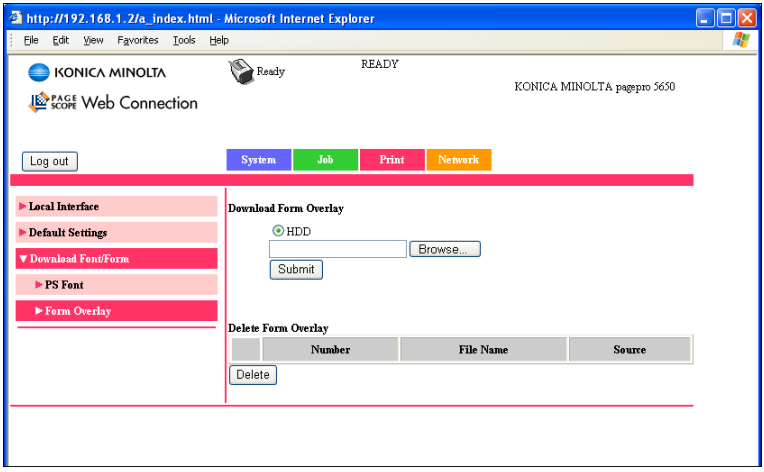
The printer must have an optional hard disk kit or CompactFlash card to use the PS Font parameters described below.

The **Print - Download Font/Form - PS Font** window allows you to configure the following items:

Item		Description
Download PS Font	Radio button	Specifies the download destination (HDD/ Memory Card) of the font.
	Text box	Specifies the file name for the PostScript font to be downloaded.
	Browse button	Displays a dialog box for browsing to the PostScript font file.
	Submit button	Sends the specified PostScript font file to the printer.

Item		Description
Delete PS Font	Displays the information of the PS font file(s) stored in the hard disk drive or the CompactFlash card.	
	Check box	Select the check box of the font to be deleted, and then click **Delete** to delete the selected font from the printer.
	Number	Displays the control number of the font.
	Font Name	Displays the name of the fonts.
	Source	Displays the storage source of the font.
Delete button		Deletes the PostScript font file(s) whose check boxes at the left end are checked.

Form Overlay



The **Print - Download Font/Form - Form Overlay** window allows you to configure the following items:

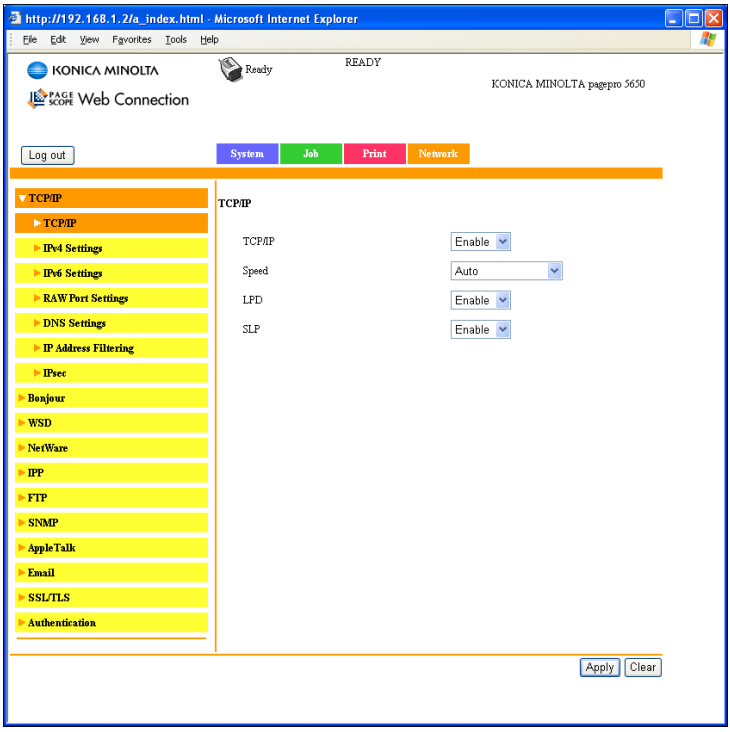
Item		Description
Download Form Overlay	Radio button	Specifies the download destination (HDD/ Memory Card) of the form overlay file.
	Text box	Specifies the file name for the form overlay to be downloaded.
	Browse button	Displays a dialog box for browsing to the form overlay file.

Item		Description
	Submit button	Sends the specified form overlay file to the printer.
Delete Form Overlay	Displays the information of the form overlay file(s) stored in the hard disk drive or the CompactFlash card.	
	Check box	Select the check box of the form overlay file to be deleted, and then click **Delete** to delete the selected form overlay from the printer.
	Number	Displays the control number of the overlay.
	File Name	Displays the name of the overlays.
	Source	Displays the storage source of the form overlay.
Delete button		Deletes the form overlay file(s) whose check boxes at the left end are checked.

When Download Manager is being used, long file names cannot be specified for downloaded from PostScript fonts or overlays. Make sure that file names comply with the 8.3 format (MS-DOS file name format). In addition, file names consisting of a maximum of 31 characters can be specified with the printer driver.

Network Page

This page allows you to configure network settings. For more information on these protocols, see chapter 7, “Network Printing.”



TCP/IP

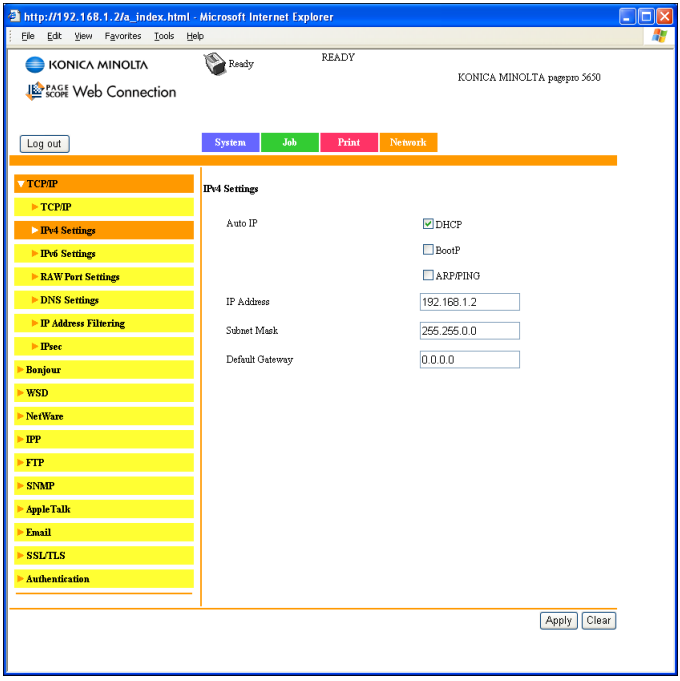
TCP/IP (shown above)

The **Network - TCP/IP - TCP/IP** window allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
TCP/IP	Sets whether or not to use TCP/IP. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - ENABLE`

Item	Description
Speed	Specifies the operating mode and speed for Ethernet. Choices: Auto, 10Base-T(Half), 10Base-T(Full), 100Base-TX(Half), 100Base-TX(Full), 1000Base-T(Full) Default: Auto Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - SPEED/DUPLEX`
LPD	Select whether or not LPD is used. Choices: Enable, Disable Default: Enable
SLP	Select whether or not SLP is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - SLP - ENABLE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

IPv4 Settings

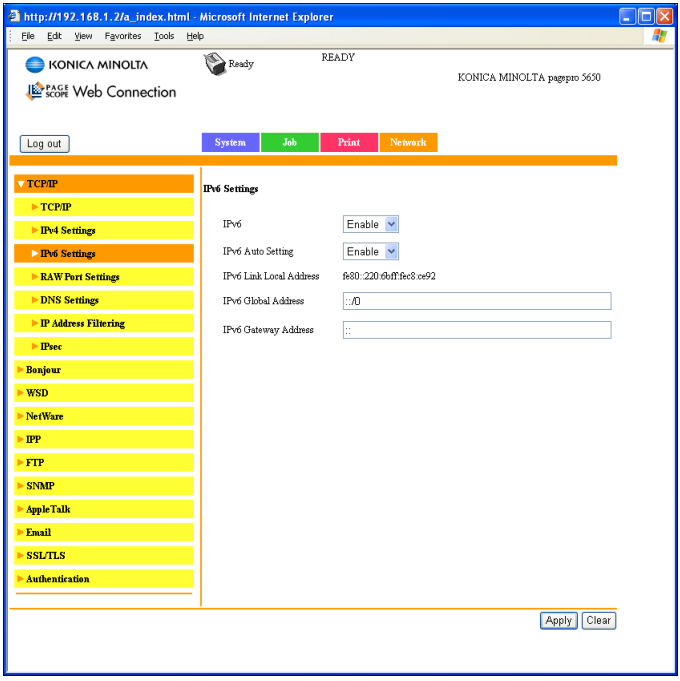


The **Network - TCP/IP - IPv4 Settings** window allow you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
Auto IP	Specifies the automatic assigning method for the printer IP address. Choices: DHCP, BootP, ARP/PING Default: DHCP Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - DHCP, BOOTP, ARP/PING`

Item	Description
IP Address*	Sets the printer's IPv4 address. Range: 0–255 for each *xxx* triplet Default: 0.0.0.0 *If the specified IPv4 address is outside of the allowable range, the value is not changed, even after the **Apply** button is clicked. The setting returns to the previous value.* Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS`
Subnet Mask*	Sets the printer's subnet mask address. Range: 0–255 for each *xxx* triplet Default: 0.0.0.0 *If the specified subnet mask address is outside of the allowable range, the value is not changed, even after the **Apply** button is clicked. The setting returns to the previous value.* Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - SUBNET MASK`
Default Gateway*	If a router is used on the network, sets the router's address. Range: 0–255 for each *xxx* triplet Default: 0.0.0.0 *If the specified router address is outside of the allowable range, the value is not changed, even after the **Apply** button is clicked. The setting returns to the previous value.* Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - DEFAULT GATEWAY`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.	

IPv6 Settings

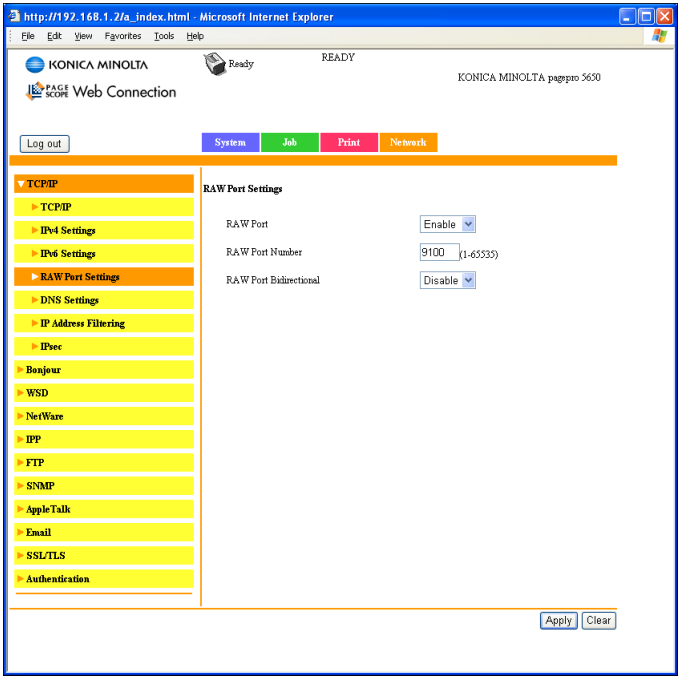


The **Network - TCP/IP - IPv6 Settings** window allow you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
IPv6	Select whether or not IPv6 is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - ENABLE`
IPv6 Auto Setting	Select whether or not the IPv6 auto setting is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - AUTO SETTING`

Item	Description
IPv6 Link Local Address	Displays IPv6 Link Local Address. Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - LINK LOCAL`
IPv6 Global Address	Specifies the IPv6 Global Address. Range: Up to 43 characters Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - GLOBAL ADDRESS` *If the IPv6 AUTO SETTING is set to ENABLE, the change made to this setting is not applied.*
IPv6 Gateway Address	Specifies the IPv6 Gateway Address. Range: Up to 39 characters Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - GATEWAY ADDRESS` *If the IPv6 AUTO SETTING is set to ENABLE, the change made to this setting is not applied.*
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

RAW Port Settings

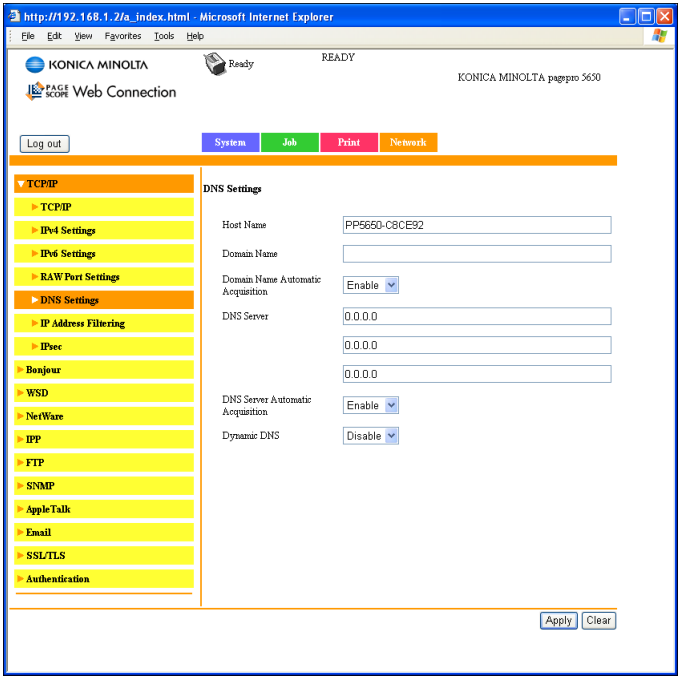


The **Network - TCP/IP - RAW Port Settings** window allow you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
Raw Port	Select whether or not RAW port is used. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - RAW PORT - ENABLE`
RAW Port Number	Identifies the number of the printer’s RAW port. Choices: 1 - 65535 Default: 9100 *The currently used port number and numbers 161, 443 and 631 cannot be specified.*

Item	Description
RAW Port Bidi-rectional	Specifies whether or not to enable bi-directional communication for the RAW port. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPv6 - RAW PORT - BIDIRECTIONAL`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

DNS Settings

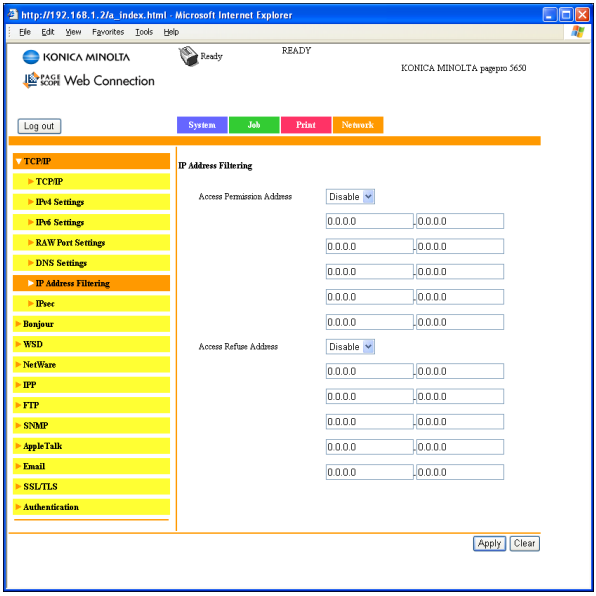


The **Network - TCP/IP - DNS Settings** window allow you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
Host Name	Specifies the host name. Range: Up to 63 characters Default: PP5650-xxxxxx PP4650-xxxxxx *xxxxxx displays six last digits of the MAC address in hexadecimals.*
Domain Name	Specifies the domain name. Range: Up to 63 characters Default: [Blank]

Item	Description
Domain Name Automatic Acquisition	Select whether or not the domain name automatic acquisition is used. Choices: Enable, Disable Default: Enable
DNS Server	Specifies the DNS server. Up to three can be registered. Default: 0.0.0.0 *An IPv4 or IPv6 address can be specified.*
DNS Server Automatic Acquisition	Select whether or not the DNS server automatic acquisition is used. Choices: Enable, Disable Default: Enable
Dynamic DNS	Select whether or not Dynamic DNS is used. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - DYNAMIC DNS - ENABLE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

IP Address Filtering



The **Network - TCP/IP - IP Address Filtering** page allows you to specify the IP address and limitations for accessing the printer.

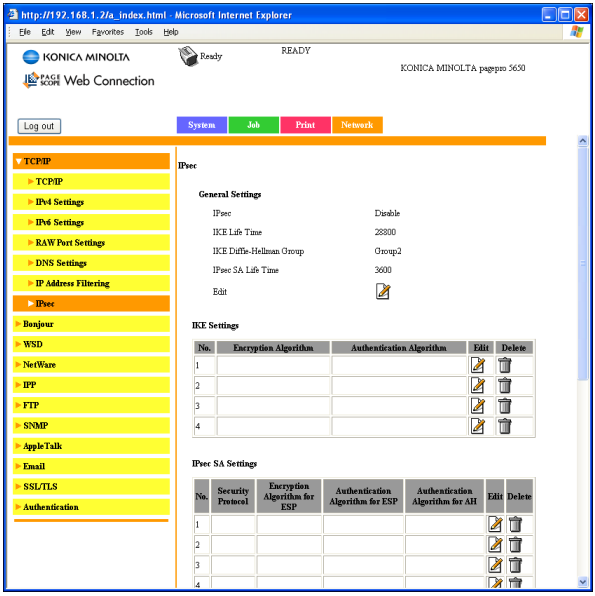
The settings described below are not applied to the DNS server and DHCP server.

*If the range of permitted IP addresses in **Access Permission Address** overlaps the range of refused IP address in **Access Refuse Address**, the refuse setting of **Access Refuse Address** is given priority.*

Item	Description
Access Permission Address	If **Enable** is selected, the range of IP addresses permitted access to the printer can be specified. A maximum of five ranges of permitted IP addresses can be specified. In addition, access from an IP address out of the specified range is prohibited. If **Disable** is selected, the permitted access setting is disabled. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS FILTER - ACCESS PERMISSION`
Range of IP address permitted access	Specify the range of IP addresses permitted access to the printer. Type the IP address at the beginning of the range into the box on the left, and the IP address at the end of the range into the box on the right. Range: 0-255 for each xxx triplet Default: 0.0.0.0 *To specify a single IP address, type the same IP address into both the box for the starting IP address and for the ending IP address, or type "0.0.0.0" into the box for either the starting IP address or the ending IP address.* *If the starting IP address is larger than the ending IP address, the setting is not applied.*

Item	Description
Access Refuse Address	If **Enable** is selected, the range of IP addresses refused access to the printer can be specified. A maximum of five ranges of refused IP addresses can be specified. If **Disable** is selected, the refused access setting is disabled. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IP ADDRESS FILTER - ACCESS REFUSE`
Range of IP address refused access	Specify the range of IP addresses refused access to the printer. Type the IP address at the beginning of the range into the box on the left, and the IP address at the end of the range into the box on the right. Range: 0-255 for each xxx triplet Default: 0.0.0.0 *To specify a single IP address, type the same IP address into both the box for the starting IP address and for the ending IP address, or type "0.0.0.0" into the box for either the starting IP address or the ending IP address.* *If the starting IP address is larger than the ending IP address, the setting is not applied.*
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.
* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.	

IPsec

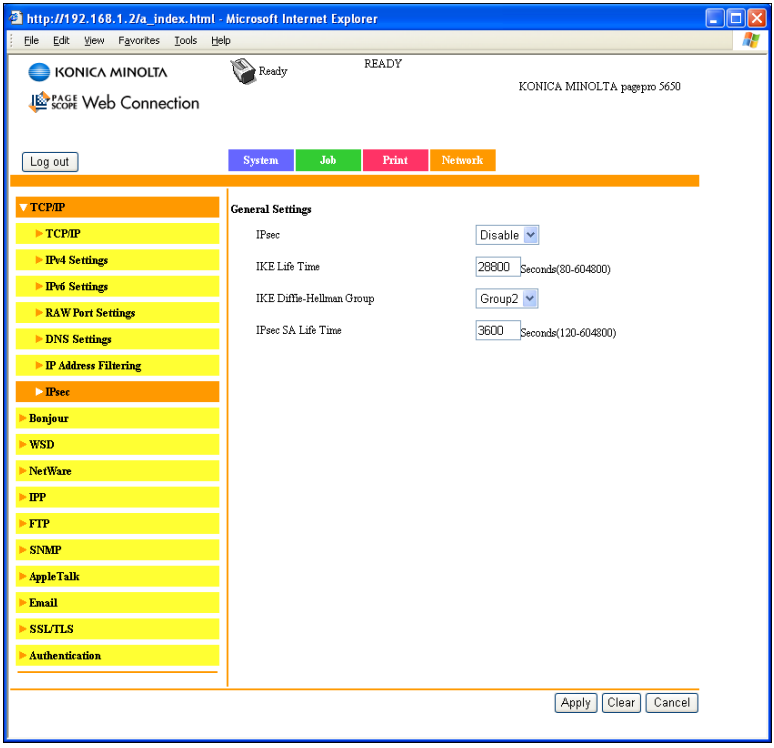


The **Network - TCP/IP - IPsec** window allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item		Description
Generic Settings	IPsec	Displays whether to enable or disable the IPsec function.
	IKE Life Time	Display the IKE Life Time.
	IKE Diffie-Hellman Group	Display the IKE Diffie-Hellman Group.
	IPsec SA Life Time	Display the IPsec SA Life Time.
	Edit icon	Click this icon to display the settings page.
IKE Settings /IPsec SA Settings /IPsec Peer Settings		Displays the registered settings.
IKE Settings /IPsec SA Settings /IPsec Peer Settings (Edit icon)		Click this icon to display the settings page.

Item	Description
IKE Settings /IPsec SA Settings /IPsec Peer Settings (Delete icon)	Click this icon to delete the settings.

IPsec (General Settings)

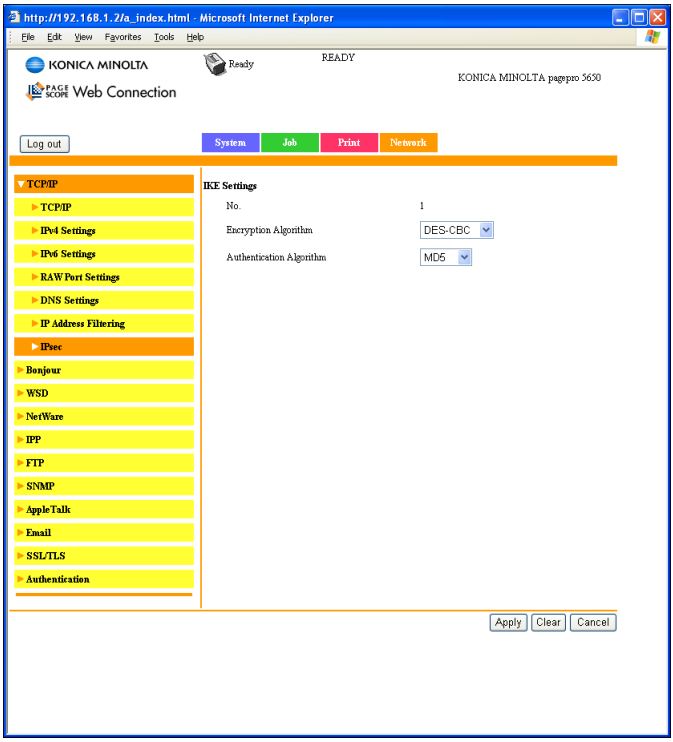


The **Network - IPsec - General Settings** window allows you to configure the following items.

Item	Description
IPsec	Specify whether to enable or disable the IPsec function. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPSEC - ENABLE`

Item	Description
IKE Life Time	Specify the IKE Life Time. Range: 80 - 604800 Default: 28800
IKE Diffie-Hellman Group	Specify the Diffie-Hellman Group. Choices: Group1, Group2 Default: Group2
IPsec SA Life Time	Specify the IPsec SA Life Time. Range: 120 - 604800 Default: 3600
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the **Network - TCP/IP - IPsec** page.

IPsec (IKE Settings)

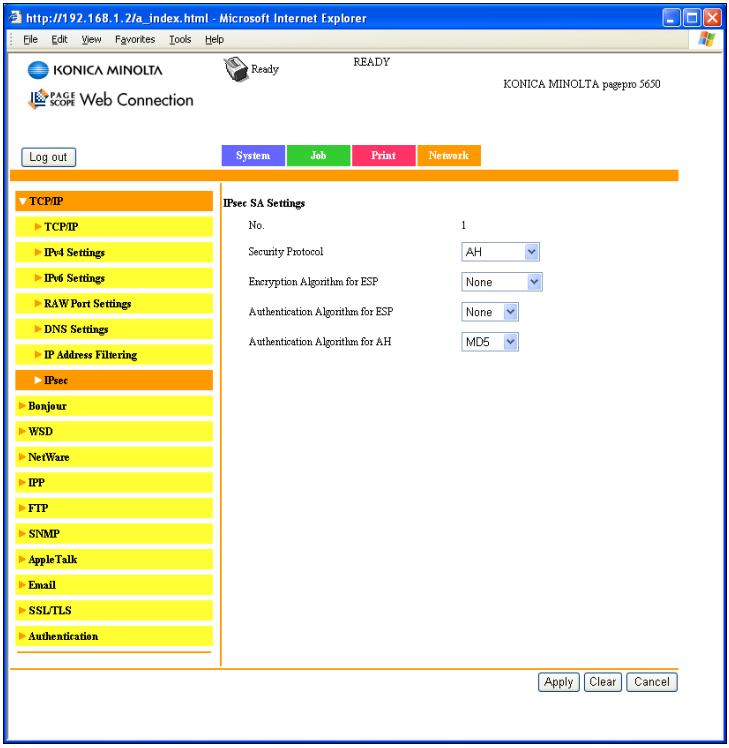


The **Network - IPsec - IKE Settings** window allows you to configure the following items.

Item	Description
No.	Displays the number (No.) to be registered.
Encryption Algorithm	Select the encryption algorithm to be used when creating a control tunnel. Choices: DES-CBC, 3DES-CBC Default: DES-CBC
Authentication Algorithm	Select the authentication algorithm to be used when creating a control tunnel. Choices: MD5, SHA-1 Default: MD5
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Item	Description
Cancel button	Click to cancel the entered data and return to the **Network - TCP/IP - IPsec** page.

IPsec (IPsec SA Settings)

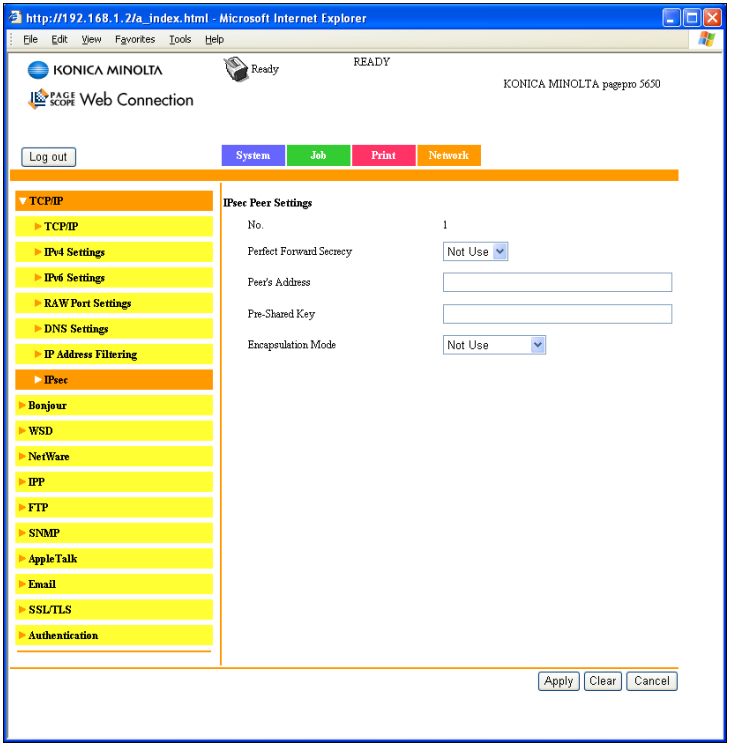


The **Network - IPsec - IPsec SA Settings** window allows you to configure the following items.

Item	Description
No.	Displays the number (No.) to be registered.
Security Protocol	Select the security protocol. Choices: AH, ESP, ESP & AH Default: AH

Item	Description
Encryption Algorithm for ESP	When **ESP** is selected for **Security Protocol**, specify the ESP encryption algorithm. Choices: None, DES-CBC, 3DES-CBC, AES-CBC, AES-CTR Default: None
Authentication Algorithm for ESP	When **ESP** is selected for **Security Protocol**, specify the ESP authentication algorithm. Choices: None, MD5, SHA-1 Default: None
Authentication Algorithm for AH	When **AH** is selected for **Security Protocol**, specify the AH authentication algorithm. Choices: MD5, SHA-1 Default: MD5
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the **Network - TCP/IP - IPsec** page.

IPsec (IPsec Peer Settings)

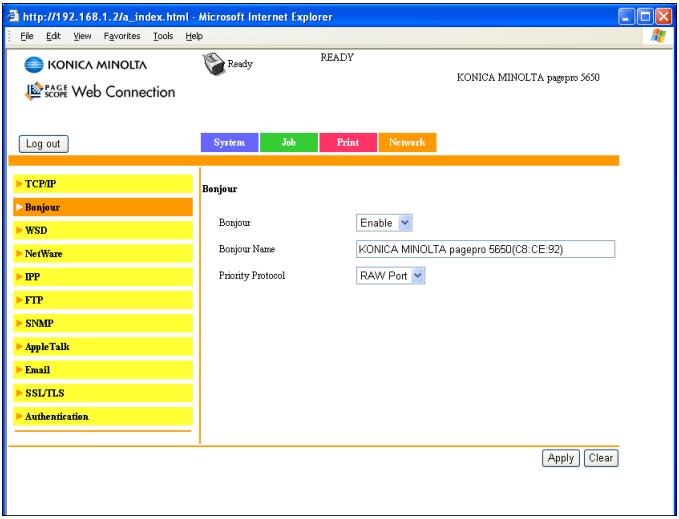


The **Network - IPsec - IPsec Peer Settings** window allows you to configure the following items.

Item	Description
No.	Displays the number (No.) to be registered.
Perfect Forward Secrecy	To increase the IKE strength, select **Use**. Choices: Not Use, Use Default: Not Use
Peer's Address	Specify the IP address of the peer. Range: 2 to 39 characters Default: [Blank]
Pre-Shared Key	Specify the Pre-Shared Key text shared with the peer. Range: Up to 64 characters Default: [Blank]

Item	Description
Encapsulation Mode	Specify the operation mode of IPsec. Choices: Not Use, Tunnel Mode, Transport Mode Default: Not Use
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
Cancel button	Click to cancel the entered data and return to the **Network - TCP/IP - IPsec** page.

Bonjour

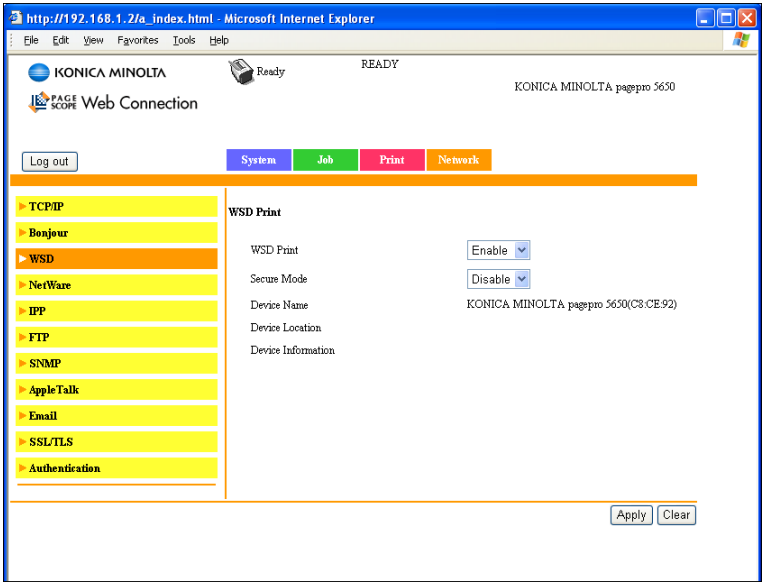


The **Network - Bonjour** page allows you to configure the following items.

Item	Description
Bonjour	Select whether to enable or disable the Bonjour function. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - BONJOUR - ENABLE`

Item	Description
Bonjour Name	Specify the Bonjour name for the printer. Range: Up to 63 characters Default: KONICA MINOLTA PagePro 5650(xx:xx:xx) KONICA MINOLTA PagePro 4650(xx:xx:xx) *"xx:xx:xx" refers to the last six digits of the MAC address (in hexadecimal).*
Priority Protocol	Specify the connection protocol given priority with Bonjour. Choices: LPD, RAW Port, IPP Default: RAW Port
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.

WSD



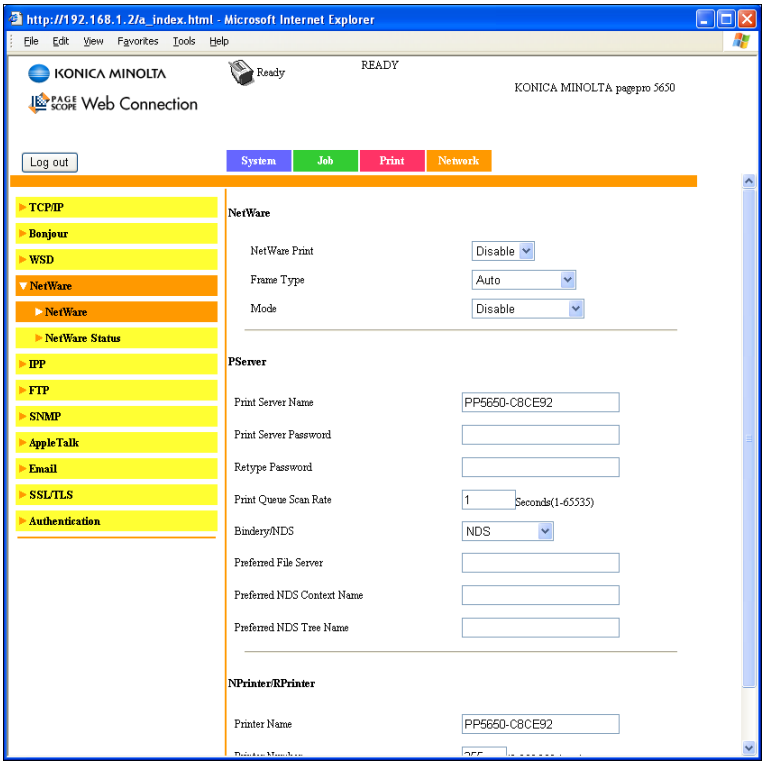
The **Network - WSD** window allows you to configure the following items:

Item	Description
WSD Print	Select whether to enable or disable the WSD print function. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - WSD PRINT - ENABLE`
Secure Mode	Select whether or not WSD communication is performed with SSL. Choices: Enable, Disable Default: Disable *This item appears only if the SSL/TLS settings are enabled.*

Item	Description
Device Name	Displays the Device name. Default: KONICA MINOLTA pagepro 4650(5650)(xx:xx:xx) *Specify the settings from the **System - Machine Settings** page.*
Device Location	Displays the Device location. Default: [Blank] *Specify the settings from the **System - Machine Settings** page.*
Device Information	Displays the Device information. Default: [Blank] *Specify the settings from the **System - Machine Settings** page.*
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to the previous values.

NetWare

NetWare



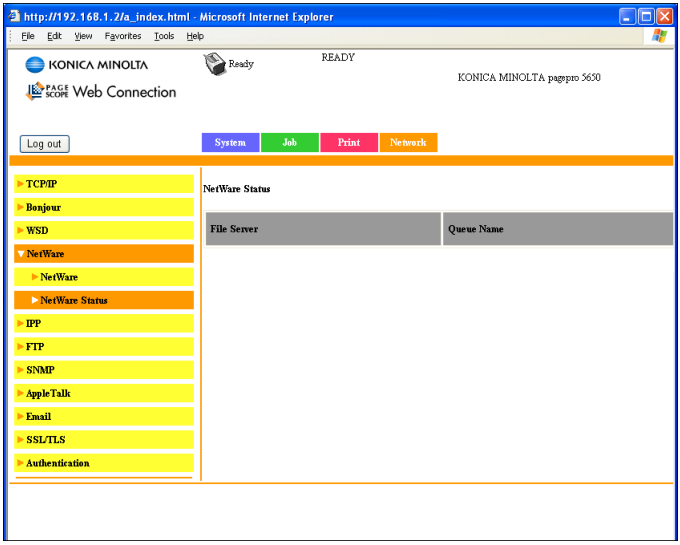
The **Network - NetWare - NetWare** window allows you to configure the following items:

Item		Description
NetWare	NetWare Print	Enables or Disables the NetWare print option. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - NETWARE - ENABLE`

Item		Description
	Frame Type	Specifies the Frame Type. Choices: Auto, Ethernet 802.2, Ethernet 802.3, Ethernet II, Ethernet SNAP Default: Auto
	Mode	Specifies the NetWare Configuration mode. Choices: Disable, PServer, NPrinter/ RPrinter Default: Disable
PServer	Print Server Name	Sets the Print Server Name for the printer. Range: Up to 63 characters Default: PP 5650-xxxxxx PP 4650-xxxxxx *xxxxxx displays six last digits of the MAC address in hexadecimals.*
	Print Server Password	Sets the Print Server password. Range: Up to 31 characters Default: [Blank]
	Retype Password	Verifies the new password typed in the Print Server Password text box. Range: Up to 31 characters Default: [Blank]
	Print Queue Scan Rate	Sets the number of the queue scan interval. Range: 1 - 65535 (Seconds) Default: 1
	Bindery/NDS	Specifies the bindery options. Choices: NDS, Bindery/NDS, Bindery Default: NDS
	Preferred File Server	Sets the Preferred File Server for the printer. Range: Up to 47 characters Default: [Blank]

Item		Description
	Preferred NDS Context Name	Sets the Preferred NDS Context for the printer. Range: Up to 191 characters Default: [Blank]
	Preferred NDS Tree Name	Sets the Preferred NDS Tree for the printer. Range: Up to 63 characters Default: [Blank]
NPrinter/ RPrinter	Printer Name	Sets the printer's name. Range: Up to 63 characters Default: PP 5650-xxxxxx PP 4650-xxxxxx *xxxxxx displays six last digits of the MAC address in hexadecimals.*
	Printer Number	Sets the Printer Number. Range: 0 - 255 Default: 255
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

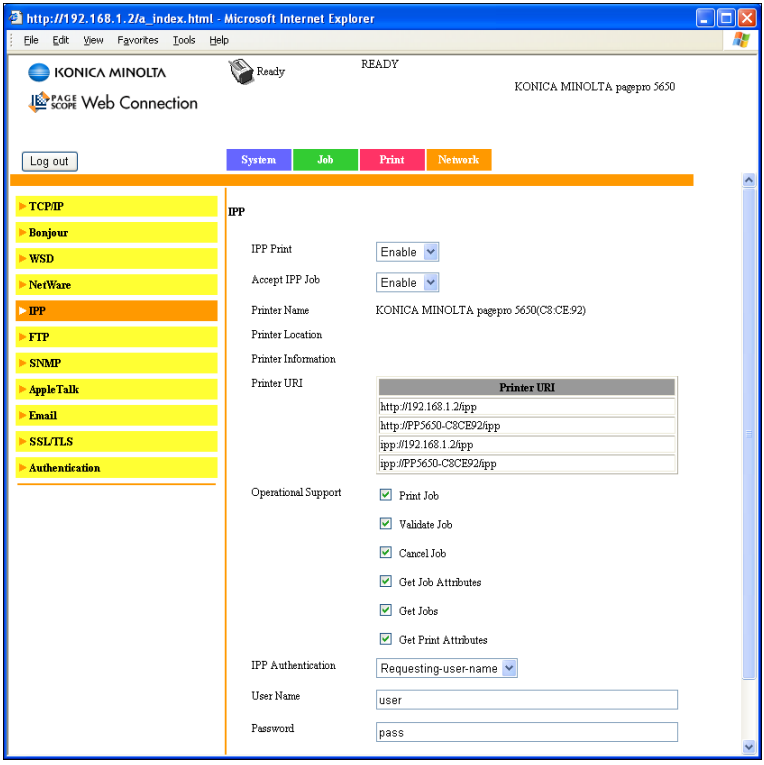
NetWare Status



The **Network - NetWare - NetWare Status** window allows you to view the following items:

Item	Description
File Server	Displays current NetWare File Server.
Queue Name	Displays current NetWare queue name.
Queue Status	Displays current NetWare status.

IPP



The **Network - IPP** window allows you to configure the following items. For details on IPP, refer to chapter 7, “Network Printing.” In order to apply the settings, the printer must be turned off, then on again after the setting is specified.

Item	Description
IPP Print	Sets whether or not to use IPP. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - TCP/IP - IPP - ENABLE`

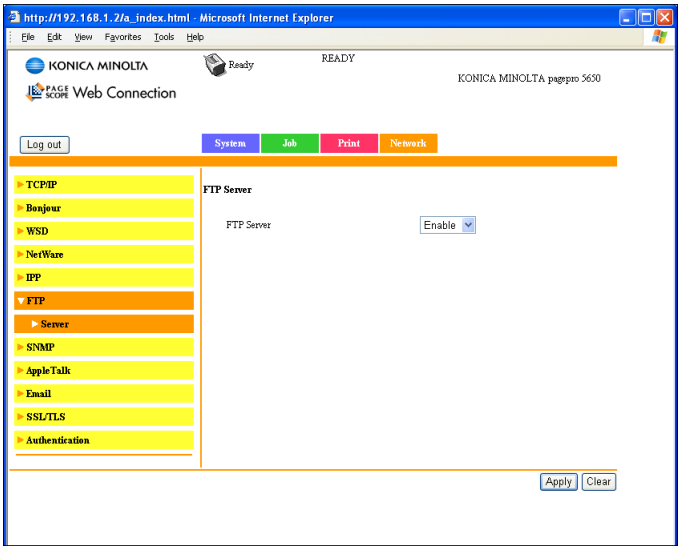
Item	Description
Accept IPP Job	Sets whether or not to accept IPP Job. Choices: Enable, Disable Default: Enable
Printer Name	Displays the printer's name. Range: Up to 127 characters Default: KONICA MINOLTA pagepro 4650(5650)(xx:xx:xx) *Specify the settings from the **System - Machine Settings** page.*
Printer Location	Displays the printer's location. Default: [Blank] *Specify the settings from the **System - Machine Settings** page.*
Printer Information	Displays the printer information. Default: [Blank] *Specify the settings from the **System - Machine Settings** page.*
Printer URI	Displays the printer's Uniform Resource Identifier (URI). ■ http://<IP_address>/ipp ■ http://FQDN:/ipp ■ ipp://<IP_address>/ipp ■ ipp://FQDN:/ipp ■ https://<IP_address>/ipp ■ https://FQDN:/ipp *"https://<IP_address>/ipp", and "https://FQDN:/ipp" appear only if the SSL/TLS settings are enabled.*

Item		Description
Operational Support	Print Job	If this check box is selected, Print Job is enabled. Default: Checked
	Validate Job	If this check box is selected, Validate Job is enabled. Default: Checked
	Cancel Job	If this check box is selected, Cancel Job is enabled. Default: Checked
	Get Job Attributes	If this check box is selected, Get Job Attribute is enabled. Default: Checked
	Get Jobs	If this check box is selected, Cancel Job is enabled. Default: Checked
	Get Print Attributes	If this check box is selected, Get Printer Attribute is enabled. Default: Checked
	IPP Authenti-cation	Specifies the authentication method for IPP connections. Choices: None, Requesting-user-name, Basic, Digest Default: Requesting-user-name
	User Name	Specify the user name used with Basic or Digest authentication. Range: Up to 20 characters Default: user
	Password	Specify the password used with Basic or Digest authentication. Range: Up to 20 characters Default: pass
	Realm	Specify the realm used with Basic or Digest authentication. Range: Up to 127 characters Default: IPP

Item	Description
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

FTP

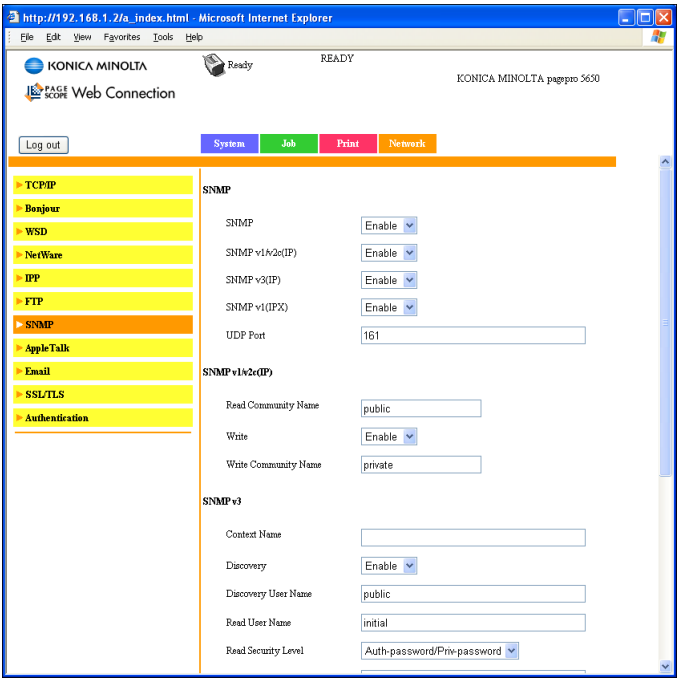
Server



The **Network - FTP - Server** window allows you to configure the following item:

Item	Description
FTP Server	Enables or Disables the FTP server. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET TCP/IP - FTP - ENABLE`
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

SNMP



The **Network - SNMP** window allows you to configure the following items:

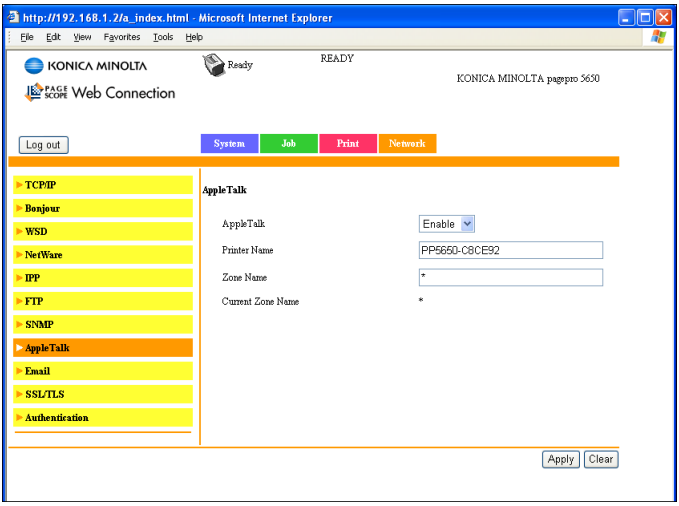
Item		Description
SNMP	SNMP	If **Enable** is selected, SNMP is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET TCP/IP - SNMP - ENABLE`
	SNMP v1/ v2c(IP)	If **Enable** is selected, SNMP v1/v2c(IP) is enabled. Choices: Enable, Disable Default: Enable
	SNMP v3(IP)	If **Enable** is selected, SNMP v3(IP) is enabled. Choices: Enable, Disable Default: Enable

Item		Description
	SNMP v1(IPX)	If **Enable** is selected, SNMP v1(IPX) is enabled. Choices: Enable, Disable Default: Enable
	UDP Port	Specifies the UDP port number. Range: 1 - 65535 Default: 161
SNMP v1/ v2c/(IP)	Read Community Name	Specifies the community name to be used for scanning. Range: Up to 15 characters Default: public
	Write	If **Enable** is selected, Write is enabled. Choices: Enable, Disable Default: Enable
	Write Community Name	Specifies the community name to be used for reading and writing. Range: Up to 15 characters Default: private
SNMP v3	Context Name	Specifies the context name. Range: Up to 63 characters Default: [Blank]
	Discovery	If **Enable** is selected, Discovery is enabled. Choices: Enable, Disable Default: Enable
	Discovery User Name	Specifies the user name for detection. Range: Up to 32 characters Default: public
	Read User Name	Specifies the name of read only user. Range: Up to 32 characters Default: initial *The same name specified as the Discovery user name cannot be used.*

Item		Description
	Read Security Level	Specifies the security level for read only user. Choices: None, Auth-password, Auth-password/ Priv-password Default: Auth-password/Priv-password
	Read Auth-password	Specifies the read only user authentication password to be used for authentication. Range: 8 to 32 characters Default: AuthPassword
	Read Priv-password	Specifies the read only user privacy password to be used for privacy (encryption). Range: 8 to 32 characters Default: PrivPassword
	Write User Name	Specifies the reading/writing user name. Range: Up to 32 characters Default: restrict *The same name specified as the Discovery user name cannot be used.*
	Write Security Level	Specifies the security level for reading/writing user. Choices: None, Auth-password, Auth-password/ Priv-password Default: Auth-password/Priv-password
	Write Auth-password	Specifies the reading/writing user authentication password to be used for authentication. Range: 8 to 32 characters Default: <Mac address>(excluding colons)
	Write Priv-password	Specifies the reading/writing user privacy password to be used for privacy (encryption). Range: 8 to 32 characters Default: <Mac address>(excluding colons)

Item		Description
Trap Settings	Allow Setting	Specifies whether or not to permit the Trap settings Choices: Allow, Restrict Default: Allow
	Trap Setting When Authentication Fails	Specifies whether to enable or disable the Trap settings when authentication failed. Choices: Enable, Disable Default: Disable
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

AppleTalk



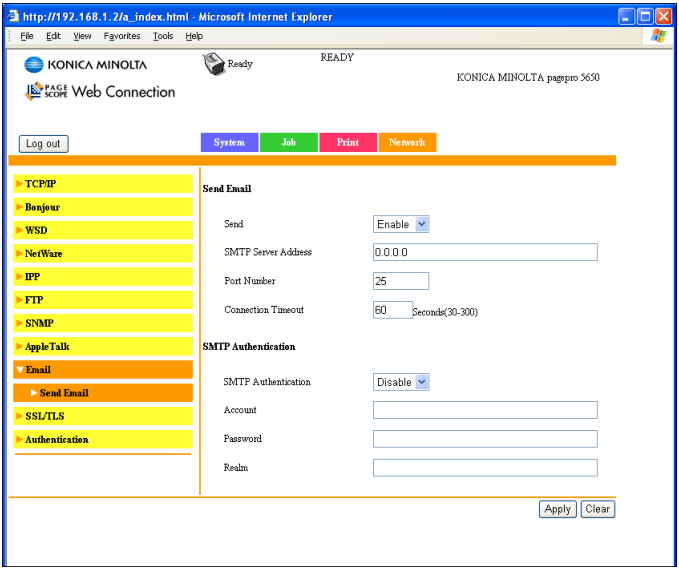
The **Network - AppleTalk** window allows you to configure the following items:

Item	Description
AppleTalk	If **Enable** is selected, AppleTalk is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - APPLETALK - ENABLE`
Printer Name	Sets the printer name. Range: Up to 31 characters Default: PP5650-xxxxxx PP4650-xxxxxx *xxxxxx displays six last digits of the MAC address in hexadecimals.*
Zone Name	Sets the Zone Name. Range: Up to 31 characters Default: *
Current Zone Name	Displays the current zone name.

Item	Description
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Email

Send Email



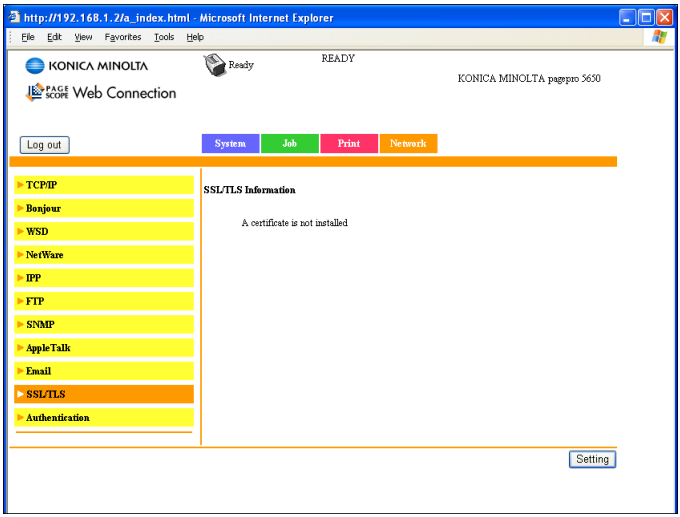
The **Network - Email - Send Email** window allows you to configure the following items:

Item		Description
Send E-mail	Send	If **Enable** is selected, sending Email is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET TCP/IP - SMTP - ENABLE`
	SMTP Server Address	Specifies the address of the mail transmission server. An IPv4 or IPv6 address or a host name can be specified. Range: Up to 255 characters Default: 0.0.0.0

Item		Description
	Port Number	Specifies the port number of the mail transmission server. Range: 1 - 65535 Default: 25
	Connection Timeout	Specifies the amount of time until the connection times out when sending e-mail. Range: 30 - 300 (seconds) Default: 60
SMTP Authentication	SMTP Authentication	If **Enable** is selected, SMTP server authentication is enabled. Choices: Enable, Disable Default: Disable
	Account	Specify the account name used with SMTP authentication. Range: Up to 255 characters Default: [Blank]
	Password	Specify the password used with SMTP authentication. Range: Up to 128 characters Default: [Blank]
	Realm	Specify the realm used with Digest-MD5 authentication. Range: Up to 255 characters Default: [Blank]
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.
* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.		

SSL/TLS

SSL/TLS Information

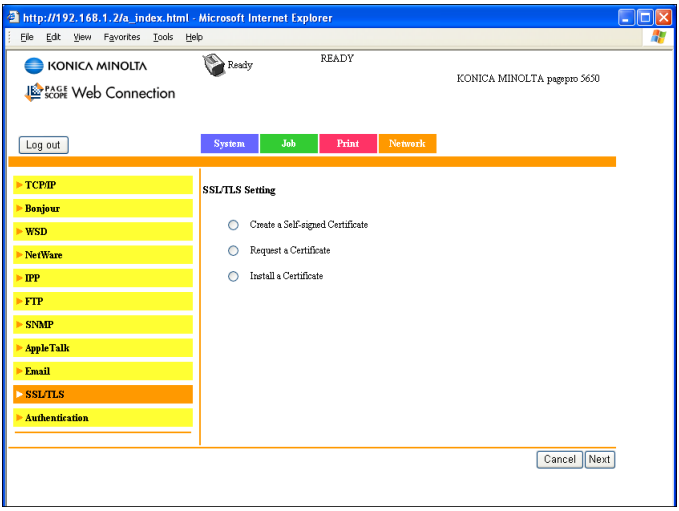


The **Network - SSL/TLS - SSL/TLS Information** page allows you to specify SSL/TLS settings.

*As a default, SSL/TLS is not installed. Click **Setting** to create a certificate and specify the SSL settings.*

Item	Description
Setting button	Displays the **SSL/TLS Setting** page.

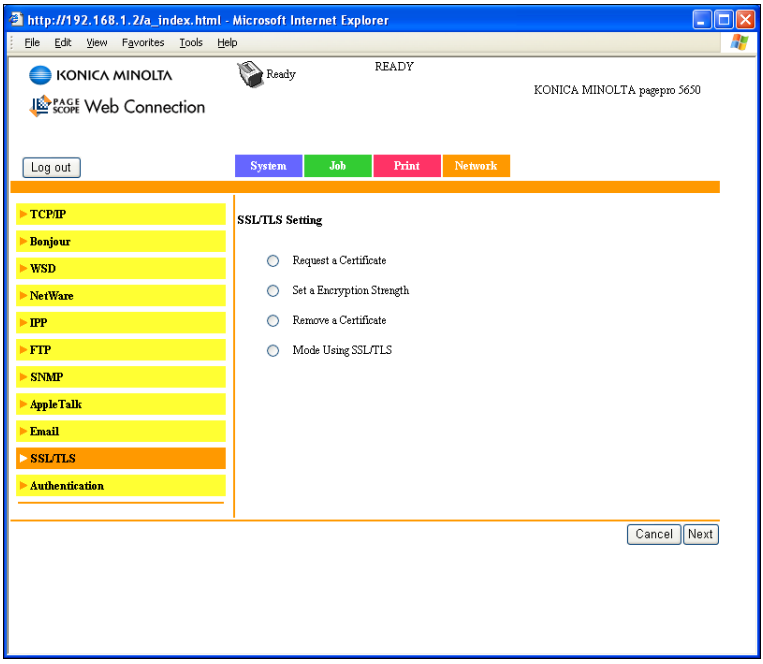
SSL/TLS Setting (When a certificate is not installed)



The **Network - SSL/TLS - SSL/TLS Setting** page allows you to select the following SSL/TLS settings.

Item	Description
Create a self-signed Certificate	Creates a self-signed certificate.
Request a certificate	Creates data for requesting that a certificate be issued from a certificate authority.
Install a certificate	Installs the certificate issued by the certificate authority.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the **Network - SSL/TLS - SSL/TLS Information** page.

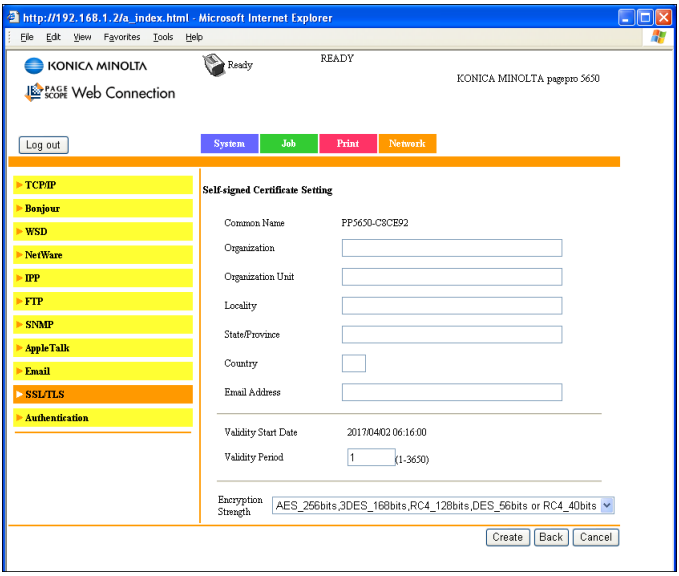
SSL/TLS Setting (When a certificate is installed)



The **Network - SSL/TLS - SSL/TLS Setting** window allows you to select the following SSL/ TLS settings.

Item	Description
Request a certificate	Creates data for requesting that a certificate be issued from a certificate authority.
Set a Encryption Strength	Specifies the encryption level. In addition, SSL/TLS can be disabled.
Remove a certificate	Removes the certificate.
Mode Using SSL/TLS	Specifies the SSL transmission mode.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the **Network - SSL/TLS - SSL/TLS Information** page.

Self-signed Certificate Setting

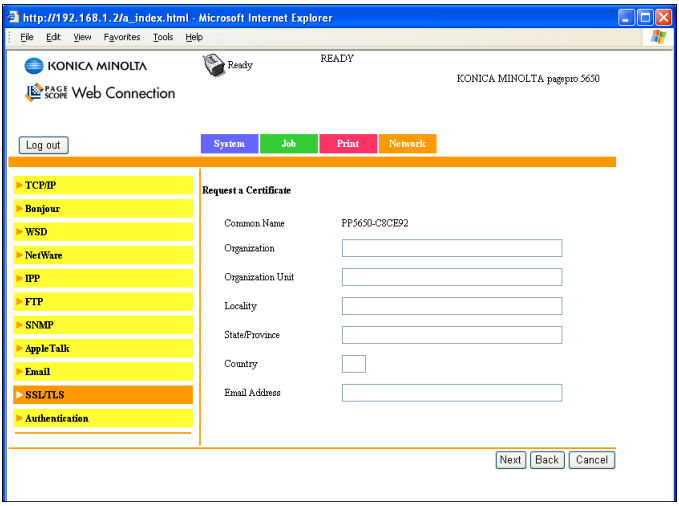


The **Network - SSL/TLS - Self-signed Certificate Setting** page allows you to create a certificate and specify SSL settings.

Item	Description
Common Name	Identifies the Common Name for the printer, to be used in creation of an SSL Certificate. It is comprised of “Printer Host Name.DNS Server”. If DNS Server is unavailable, only the host name is used as Common Name. *This text is read-only.*
Organization	Specify the name of the group or organization. Range: Up to 63 characters Default: [Blank]
Organization Unit	Specify the name of the post. Range: Up to 63 characters Default: [Blank]
Locality	Specify the name of the municipality. Range: Up to 127 characters Default: [Blank]

Item	Description
State/Province	Specify the name of the state or province. Range: Up to 127 characters Default: [Blank]
Country	Specify the name of the country as a country code regulated by ISO03166. Range Up to 2 characters Default: [Blank]
Email Address	Specify the e-mail address. Range: Up to 127 characters Default: [Blank]
Validity Start Date	Displays the current time.
Validity Period	Specify the period of validity. Range: 1 - 3650 (day) Default: 1
Encryption Strength	Specify the encryption level. Choices: ■ AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ RC4_128bits, DES_56bits or RC4_40bits Default: AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits
Create button	Creates the self-signed certificate. *A few minutes are needed in order to create the certificate.*
Back button	Click to return to the **Network - SSL/TLS - SSL/TLS Setting** page.
Cancel button	Click to cancel the entered data and return to the **Network - SSL/TLS - SSL/TLS Information** page.

Request a certificate

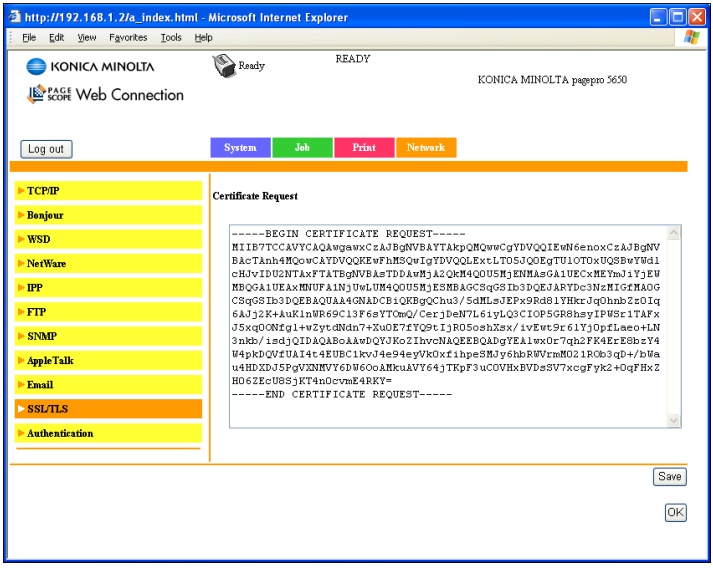


The **Network - SSL/TLS - Request a Certificate** page allows you to configure the following items:

Item	Description
Common Name	Identifies the Common Name for the printer, to be used in creation of an SSL Certificate. It is comprised of “Printer Host Name.DNS Server”. If DNS Server is unavailable, only the host name is used as Common Name. *This text is read-only.*
Organization	Specifies the name of the group or organization. Range: Up to 63 characters Default: [Blank]
Organization Unit	Specifies the name of the post. Range: Up to 63 characters Default: [Blank]
Locality	Specifies the name of the municipality. Range: Up to 127 characters Default: [Blank]

Item	Description
State/Province	Specifies the name of the state or province. Range: Up to 127 characters Default: [Blank]
Country	Specify the name of the country as a country code regulated by ISO03166. Range: Up to 2 characters Default: [Blank]
Email Address	Specify the e-mail address. Range: Up to 127 characters Default: [Blank]
Next button	Click to create data for requesting that a certificate be issued.
Back button	Click to return to the **Network - SSL/TLS - SSL/ TLS Setting** page.
Cancel button	Click to cancel the entered data and return to the **Network - SSL/TLS - SSL/TLS Information** page.

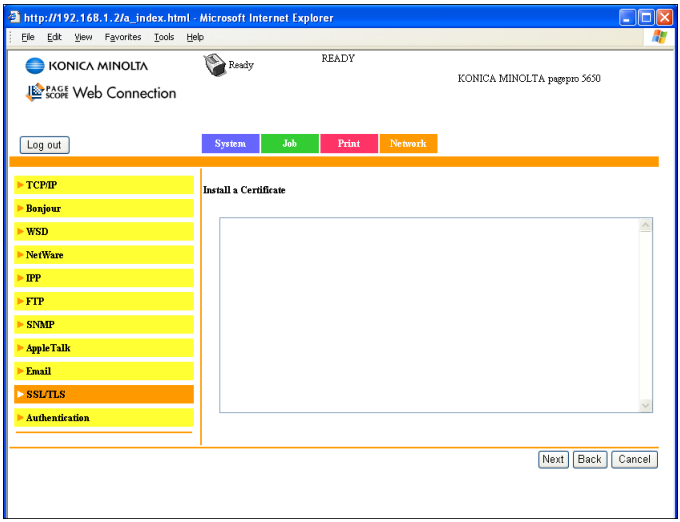
Certificate Request



The **Network - SSL/TLS - Certificate Request** page displays the data that will be submitted to the certificate authority to request that a certificate be issued.

Item	Description
Certificate Request	Displays the data that should be submitted to the certificate signing authority. This is called CSR (Certificate Signing Request). This data is to be submitted to the certificate signing authority by the user.
Save button	Click to save the data for requesting the certificate with the specified name.
OK button	Click to return to the **Network - SSL/TLS - SSL/TLS Information** page.

Install a Certificate

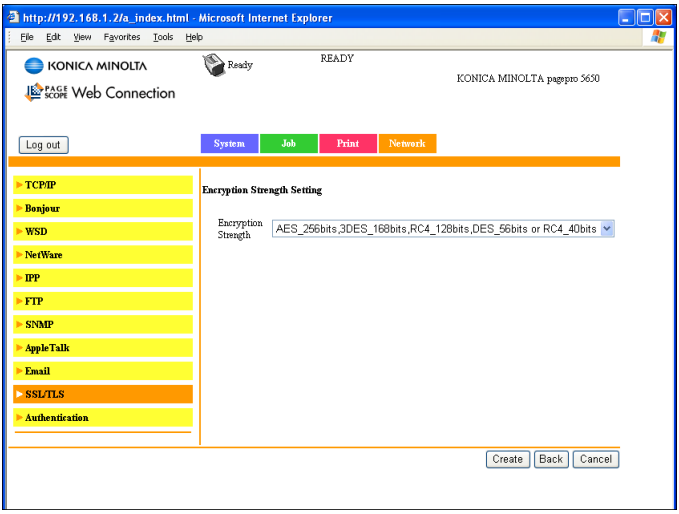


The **Network - SSL/TLS - Install a Certificate** page allows you to install the certificate issued by the certificate authority.

Item	Description
Install a Certificate	Signed CSR (Certificate Signing Request) should be pasted to this text area.
Next button	Click to display the **Network - SSL/TLS - Encryption Strength Setting** page.
Back button	Click to return to the **Network - SSL/TLS - SSL/TLS Setting** page.
Cancel button	Click to cancel the entered data and return to the **Network - SSL/TLS - SSL/TLS Information** page.

Encryption Strength Setting

This page appears only if a certificate is installed.



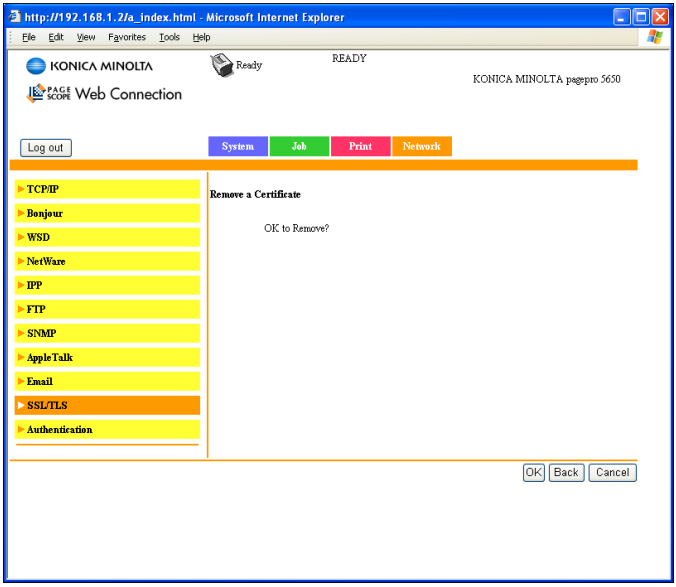
The **Network - SSL/TLS - Encryption Strength Setting** page allows you to specify the encryption level.

Item	Description
Encryption Strength	Specify the encryption level. Choices: ■ AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ RC4_128bits, DES_56bits or RC4_40bits Default: AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits
Create button	Click to specify the encryption level. If the **Network - SSL/TLS - Install a Certificate** page was previously displayed, the certificate is installed.
Back button	Retums to the previous screen.

Item	Description
Cancel button	Click to return to the **Network - SSL/TLS - SSL/TLS Information** page.

Remove a Certificate

This page appears only if a certificate is installed.

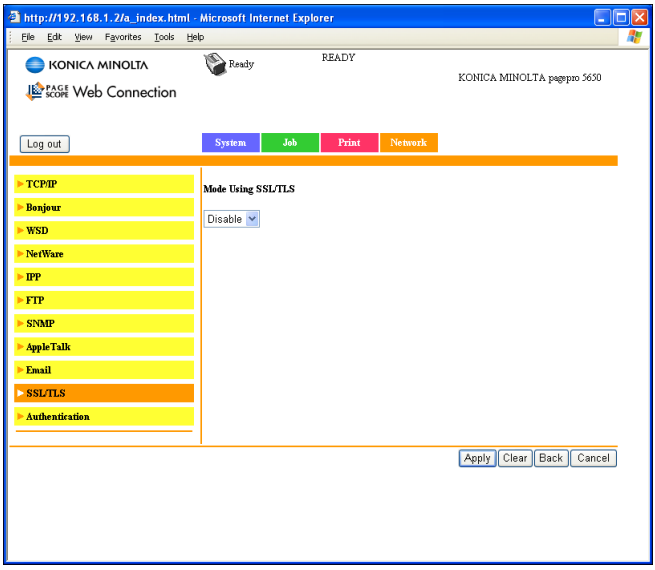


The **Network - SSL/TLS - Remove a Certificate** page allows you to delete the installed certificate.

Item	Description
OK button	Click to display a confirmation message. Click **OK** in the confirmation message to delete the certificate.
Back button	Click to return to the **Network - SSL/TLS - SSL/TLS Setting** page.
Cancel button	Click to return to the **Network - SSL/TLS - SSL/TLS Information** page.

Mode Using SSL/TLS

This page appears only if a certificate is installed.

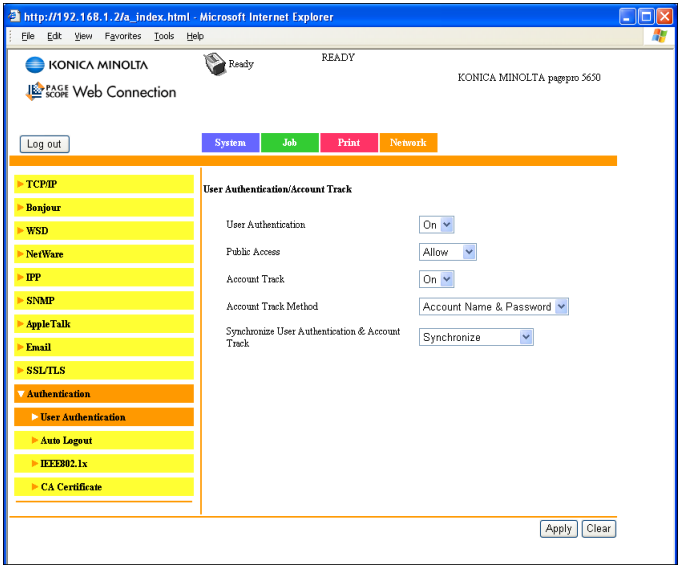


The **Network - SSL/TLS - Mode Using SSL/TLS** page allows the SSL transmission mode to be specified.

Item	Description
Mode using SSL/TLS	Selects the SSL transmission mode. Choice: Disable, Enable Default: Disable
Apply button	Click to apply the setting specified in “Mode using SSL/TLS”.
Clear button	Resets all configuration settings to previous values.
Back button	Click to return to the **Network - SSL/TLS - SSL/TLS Setting** page.
Cancel button	Click to return to the **Network - SSL/TLS - SSL/TLS Information** page.

Authentication

User Authentication



The **Network - Authentication - User Authentication** page allows you to specify user authentication settings.

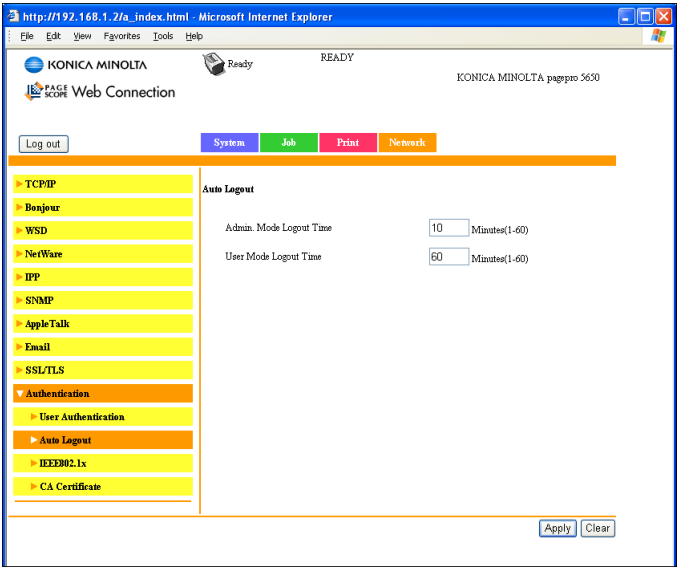
This page appears only if a hard disk kit or a CompactFlash card is installed.

*When **User Authentication** or **Account Track** is set to **On** and **Public Access** is set to **Restrict** on this page, printing is not possible except from a host where authentication settings can be specified (Windows printer driver or PageScope Direct Print). In addition, resources (fonts and form overlays) can no longer be downloaded and firmware can no longer be updated.*

Item	Description
User Authentication	Select whether or not user authentication is performed. Choices: On, Off Default: Off

Item	Description
Public Access	Select whether or not logon as a Public user is permitted when authentication settings have been specified. Choices: Allow, Restrict Default: Allow
Account Track	Select whether or not account authentication is performed. Choices: On, Off Default: Off
Account Track Method	Specify the account track authentication method. Choices: Account Name & Password, Password Only Default: Account Name & Password
Synchronize User Authentication & Account Track	Select whether or not user authentication and account track settings are to be synchronized. Choices: Synchronize, Do Not Synchronize Default: Synchronize
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

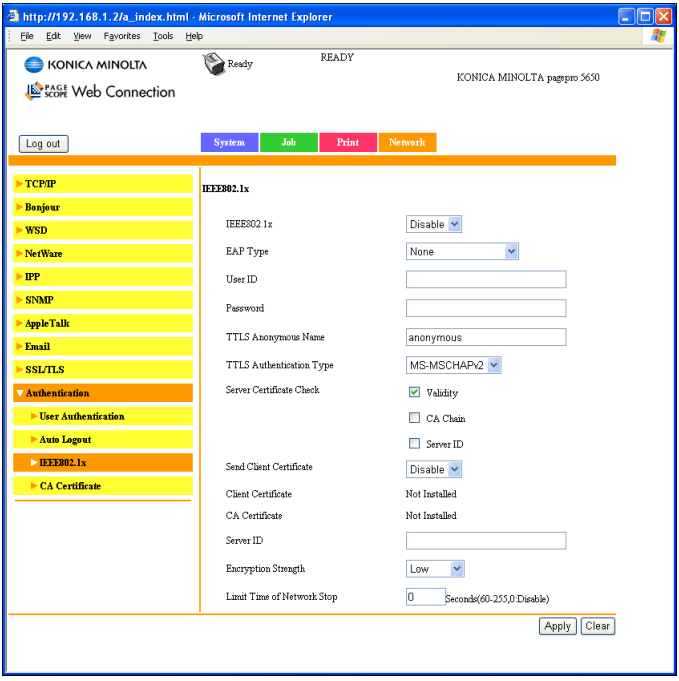
Auto Logout



The **Network - Authentication - Auto Logout** window allows you to configure the following items:

Item	Description
Admin. Mode Logout Time	Specify the length of time to automatically log out from Administrator mode. Range: 1 - 60 (Minutes) Default: 10
User Mode Logout Time	Specify the length of time to automatically log out from User mode. Range: 1 - 60 (Minutes) Default: 60
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

IEEE802.1x



The **Network - Authentication - IEEE802.1x** window allows you to configure the following items:

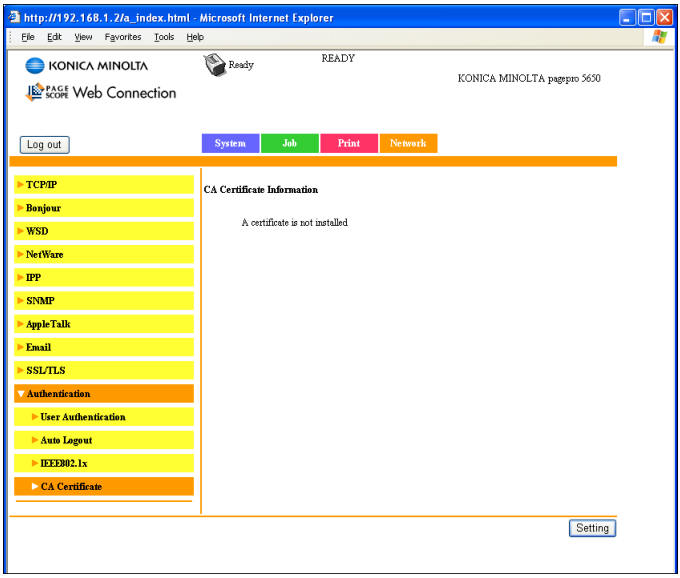
Item	Description
IEEE802.1x	Select whether to enable or disable the IEEE802.1x function. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: `INTERFACE MENU - ETHERNET - IEEE802.1X - ENABLE`
EAP Type	Select the type of authentication used with IEEE802.1x. Choices: None, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP, Server Specification Default: None

Item	Description
User ID	Specifies the account name, when **EAP Type** is set to **EAP-MD5**, **EAP-TLS**, **EAP-TTLS**, **PEAP**, **LEAP** or **Server Specification**. Range: Up to 128 characters Default: [Blank]
Password	Specifies the password, when **EAP Type** is set to **EAP-MD5**, **EAP-TLS**, **EAP-TTLS**, **PEAP**, **LEAP** or **Server Specification**. Range: Up to 128 characters Default: [Blank]
TTLS Anonymous Name	Specify the logon name used with EAP-TTLS primary authentication. Specifies the TTLS anonymous name, when **EAP Type** is set to **EAP-TTLS** or **Server Specification**. Range: Up to 128 characters Default: anonymous
TTLS Anonymous Type	Specify the EAP-TTLS phase 2 authentication procedure. Specifies the TTLS anonymous type, when **EAP Type** is set to **EAP-TTLS** or **Server Specification**. Choices: PAP, MS-CHAP, MS-CHAPv2 Default: MS-CHAPv2
Server Certificate Check	Specify the items where the server certificate is verified. Specifies the server certificate check, when **EAP Type** is set to **EAP-TLS**, **EAP-TTLS** or **PEAP**. Choices: Validity, CA Chain, ServerID Default: Validity
Send Client Certificate	Select whether or not the client certificate is sent when the client certificate is requested by the server. Specifies the send client certificate, when **EAP Type** is set to **EAP-TTLS** or **PEAP**. Choices: Enable, Disable Default: Disable
Client Certificate	Shows whether or not a client certificate has been specified. *Specify the settings from the **Network - SSL/TLS** page.*

Item	Description
CA Certificate	Shows whether or not a CA certificate has been specified for CA reliability verification of server certificates. *Specify the settings from the **Network - Authentication - CA Certificate** page.*
Server ID	Specify the characters for verification through backward matching with the CN attributes of the server certificate. Specifies the server ID, when **EAP Type** is set to **EAP-TLS**, **EAP-TTLS**, or **PEAP**. Range: Up to 64 characters Default: [Blank]
Encryption Strength	Specify the encryption level of TLS packets with EAP-TLS/TTLS/PEAP. Specifies the encryption strength, when **EAP Type** is set to **EAP-TLS**, **EAP-TTLS**, or **PEAP**. Choices: Low, Medium, High Default: Low
Limit Time of Network Stop	Specify the length of time to postpone stopping the network when authentication fails from the start of authentication. Range: 0, 60 - 255 (seconds) Default: 0
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

CA Certificate

CA Certificate Information

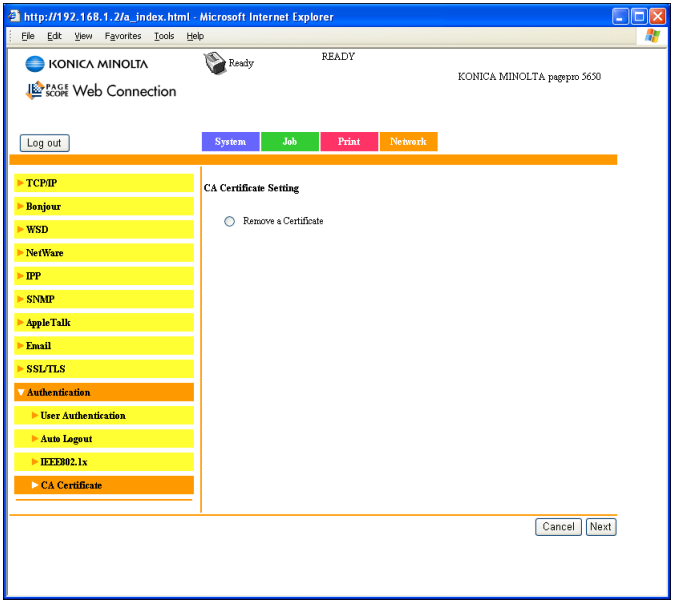


The **Network - Authentication - CA Certificate - CA Certificate Information** page allows you to specify CA Certificate settings

As a default, CA Certificate is not installed. Click Setting to create a certificate and specify the CA Certificate settings.

Item	Description
Setting button	Displays the **CA Certificate Setting** page.

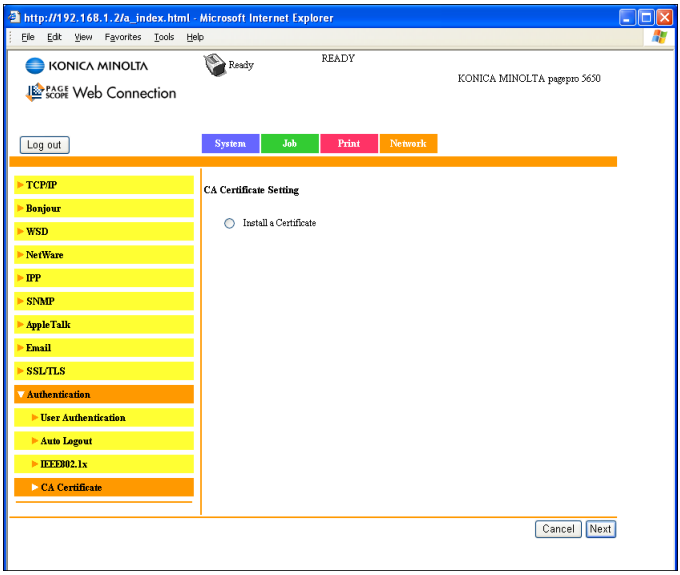
CA Certificate Setting (When a certificate is installed.)



The **Network - Authentication - CA Certificate - CA Certificate Setting** page allows you to select the following CA Certificate setting that appear.

Item	Description
Remove a Certificate	Removes the certificate.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the **Network - Authentication - CA Certificate - CA Certificate Information** page.

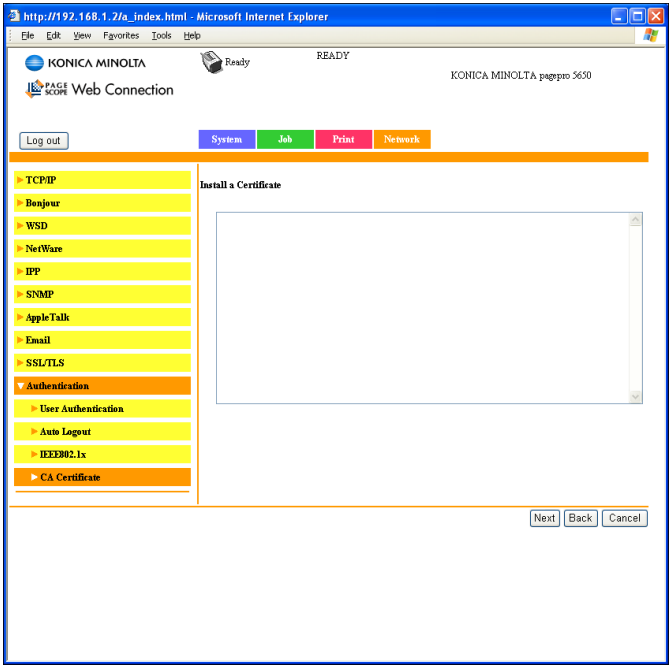
CA Certificate Setting (When a certificate is not installed.)



The **Network - Authentication - CA Certificate - CA Certificate Setting** page allows you to select the following CA Certificate setting that appear.

Item	Description
Install a Certificate	Install a certificate issued by the certificate authority.
Next button	Click to display the selected page.
Cancel button	Click to cancel the entered data and return to the **Network - Authentication - CA Certificate - CA Certificate Information** page.

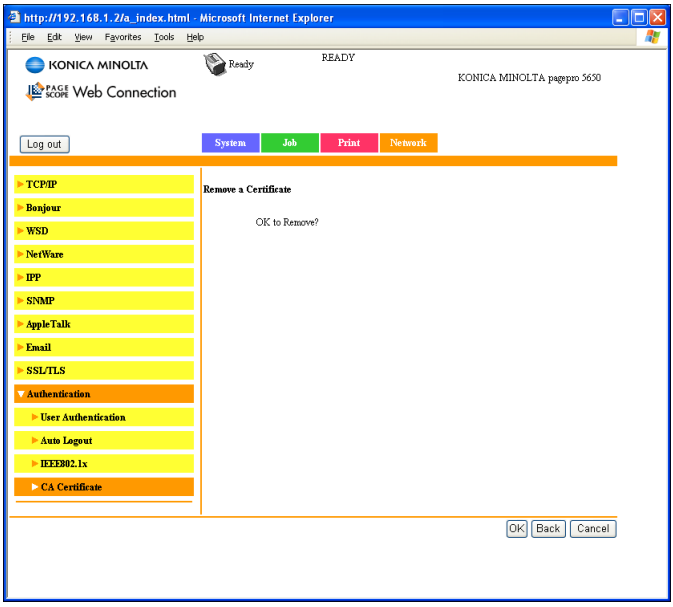
Install a Certificate



The **Network - Authentication - CA Certificate - Install a Certificate** page allows you to install the certificate issued by the certificate authority.

Item	Description
Install a Certificate	Signed CSR (Certificate Signing Request) should be pasted to this text area.
Next button	Click to display the **Network - Authentication - CA Certificate - Install a Certificate** page.
Back button	Click to return to the **Network - Authentication - CA Certificate - CA Certificate Setting** page.
Cancel button	Click to cancel the entered data and return to the **Network - Authentication - CA Certificate - CA Certificate Information** page.

Remove a Certificate



The **Network - Authentication - CA Certificate - Remove a Certificate** page allows you to delete the installed certificate.

Item	Description
OK button	Click to display a confirmation message. Click **OK** in the confirmation message to delete the certificate.
Back button	Click to return to the **Network - Authentication - CA Certificate - CA Certificate Setting** page.
Cancel button	Click to return to the **Network - Authentication - CA Certificate - CA Certificate Information** page.

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