
magicolor[®] 5650EN/5670EN

Reference Guide

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***Operation on
Mac OS X***

1

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: <ul style="list-style-type: none">– PowerPC G3 or later processor (PowerPC G4 or later is recommended)– Intel processor
Connecting the computer and printer	USB connection (USB 2.0 (High-Speed)), network connection (10Base-T/100Base-TX/1000Base-T)
Operating system	Mac OS X and X Server 10.2.8/10.3/10.4/10.5/10.6 (We recommend installing the newest patch.)
RAM	More than OS recommendation (128 MB or more is recommended)
Available disk space	256 MB or more (for storing images)



magicolor 5650EN does not support Mac OS X 10.6.

Installing the Printer Driver



This manual provides descriptions using dialog boxes for magicolor 5670.

Since the dialog boxes appear the same for magicolor 5650, the dialog boxes for magicolor 5670 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 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-ROM/DVD drive of your Macintosh.



The printer driver for Mac OS X 10.6 is included in the Printer Driver CD-ROM (For Windows 7/Windows Server 2008 R2/Mac OS X 10.6).



The printer driver for Mac OS X 10.5 can be downloaded from the KONICA MINOLTA web site.

- 2 Double-click the CD icon on the desktop, and then double click the **mc5670(5650) OSX Installer_103104.pkg** package file.

The installer for the printer driver starts up.



For OS X 10.5/10.6, the driver folder varies depending on the paper size. Select the appropriate driver folder for your environment.

- To use inch-based paper size (8 1/2 x 11 in letter size): Select **english** folder.
- To use metric-based paper size (A4 and the like): Select a file in **other** folder.



*When using Mac OS X 10.6, double-click the **mc5670(5650) OSX Installer_106.pkg** package file icon.*



When using Mac OS X 10.5, double-click the **mc5670(5650) OSX Installer_105.pkg** package file icon.

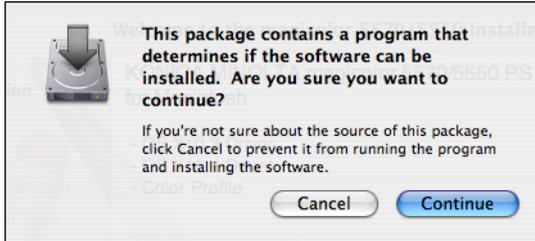


When using Mac OS X 10.3, double-click the **mc5670(5650) OSX Installer_103104.pkg** package file icon.



When using Mac OS X 10.2, double-click the **mc5670(5650) OSX Installer_102.pkg** package file icon.

3 Click **Continue**.



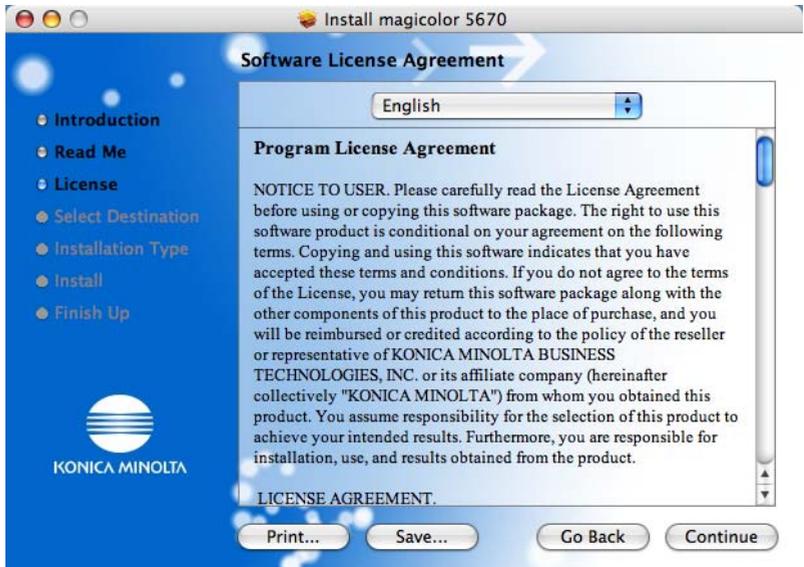
4 Click **Continue**.



5 Click **Continue**.



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



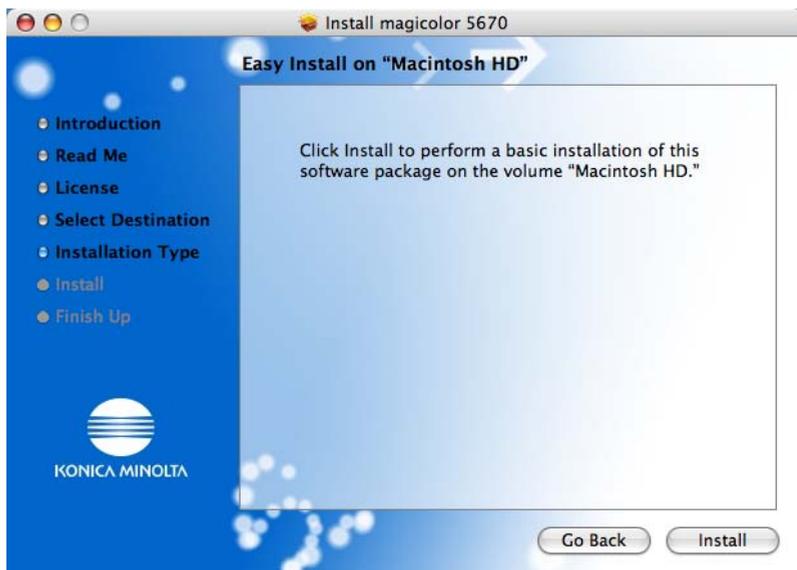
- 7 Click **Agree** in the confirmation dialog box if you agree to the terms of the license.



- 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.

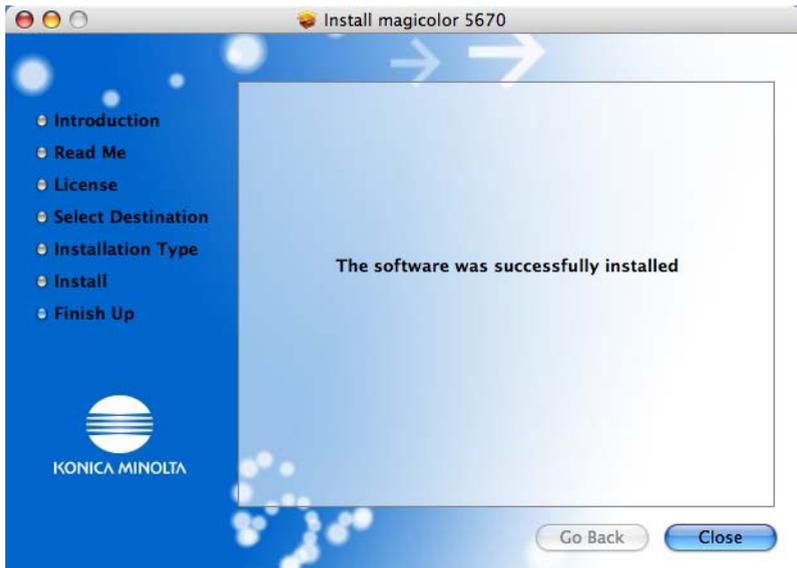


Installation starts.

- 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.

Uninstalling the printer driver

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

For Mac OS X 10.2

- 1 Open **Print Center**, which is located in **Applications - Utilities** on the hard disk.
- 2 Select the name of the printer to be deleted, and then click **Delete**.
The selected printer is deleted.
- 3 Close the **Printer List**.
- 4 Drag the following file, which is located in **Library - Printers - PPDs - Contents - Resources - en.lproj** on the hard disk, to the **Trash** icon.
 - **KONICA MINOLTA mc5670(5650)PS.gz**
- 5 Delete the unnecessary files from **Library - Printers**.
 - Drag the **KONICA MINOLTA mc5670(5650) Color.plugin** file, which is located in **Library - Printers - PPD Plugins**, to the **Trash** icon.
 - Drag the **pstomc5670(5650)PS** file, which is located in **Library - Printers - KONICAMINOLTA - filter**, to the **Trash** icon.
 - Drag the **fileExist5670(5650).icns** file, which is located in **Library - Printers - KONICAMINOLTA - Icons**, to the **Trash** icon.
 - Drag the **mc5670(5650)ps.icc** file, which is located in **Library - Printers - KONICAMINOLTA - Profiles**, to the **Trash** icon.
- 6 Drag the **mc5670(5650) OSX Installer_102.pkg** file, which is located in the **Library - Receipts**, to the **Trash** icon.
- 7 Restart the computer.

This completes uninstallation of the printer driver.

For Mac OS X 10.3/10.4

- 1 Open **Printer Setup Utility**, which is located in **Applications - Utilities** on the hard disk.
- 2 Select the name of the printer to be deleted, and then click **Delete**.
The selected printer is deleted.
- 3 Close the **Printer List**.
- 4 Drag the following file, which is located in **Library - Printers - PPDs - Contents - Resources - en.lproj** on the hard disk, to the **Trash** icon.
 - **KONICA MINOLTA mc5670(5650)PS.gz**

- 5 Delete the unnecessary files from **Library - Printers**.
 - Drag the **KONICA MINOLTA mc5670(5650) Color.plugin** file, which is located in **Library - Printers - KONICAMINOLTA - PDEs**, to the **Trash** icon.
 - Drag the **pstomc5670(5650)PS** file, which is located in **Library - Printers - KONICAMINOLTA - filter**, to the **Trash** icon.
 - Drag the **fileExist5670(5650).icns** and **KONICA MINOLTA mc5670(5650).icns** file, which is located in **Library - Printers - KONICAMINOLTA - Icons**, to the **Trash** icon.
 - Drag the **mc5670(5650)ps.icc** file, which is located in **Library - Printers - KONICAMINOLTA - Profiles**, to the **Trash** icon.
- 6 Drag the **mc5670(5650) OSX Installer_103104.pkg** file, which is located in the **Library - Receipts**, to the **Trash** icon.
- 7 Restart the computer.

This completes uninstallation of the printer driver.

For Mac OS X 10.5/10.6

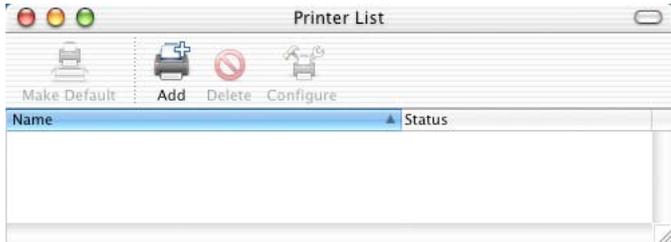
- 1 On the **Apple** menu, select **System Preferences**.
- 2 Click **Print & Fax**.
- 3 Select the name of the printer to be deleted, and then click the delete button (-) on the left below the list.
- 4 When the confirmation message appears, click **OK**.
The selected printer is deleted.
- 5 Click the close button (x) in the upper-left corner of **Print & Fax**.
 - The following procedure is not necessary; it is only for users who would like to delete unnecessary files.
- 6 Drag the **KONICA MINOLTA mc5670(5650)PS.gz** file, which is located in **Library - Printers - PPDs - Contents - Resources** on the hard disk, to the **Trash** icon.
- 7 Drag the **mc5670(5650)** folder, which is located in **Library - Printers - KONICAMINOLTA**, to the **Trash** icon.
- 8 Drag the following files, which is located in the **Library - Receipts**, to the **Trash** icon.
 - **mc5670(5650) OSX Installer_105.pkg** (for Mac OS X 10.5)
 - **mc5670(5650) OSX Installer_106.pkg** (for Mac OS X 10.6)
- 9 Restart the computer.

This completes uninstallation of the printer driver.

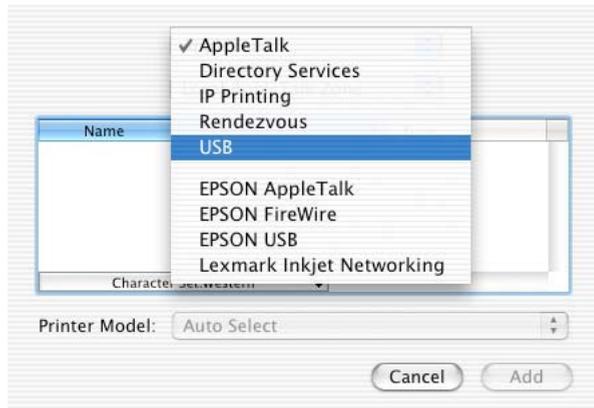
Print Center Settings (Mac OS X 10.2.8)

When Using a USB Connection

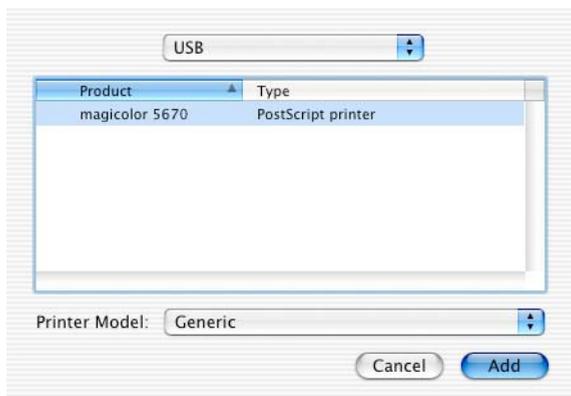
- 1 Use a USB cable to connect the printer to your computer.
- 2 Check that the printer is turned on, and then restart the computer.
- 3 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 4 In the **Printer List**, click **Add**.



- 5 Select **USB** from the pop-up menu.

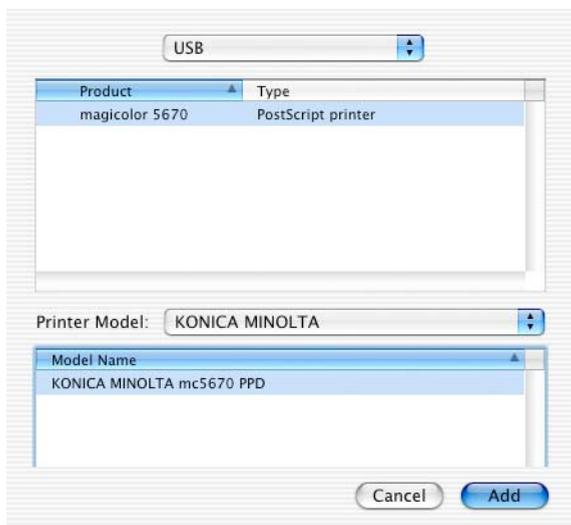


- 6 Select **magicolor 5670(5650)** in the **Product** list.



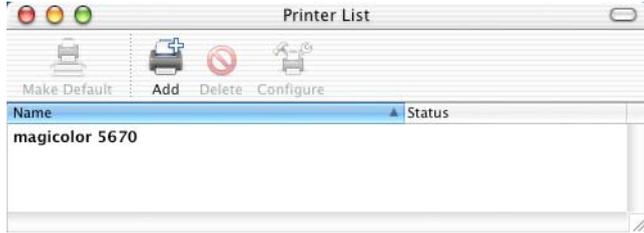
*If **magicolor 5670(5650)** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

- 7 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.
- 8 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



9 Click **Add**.

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



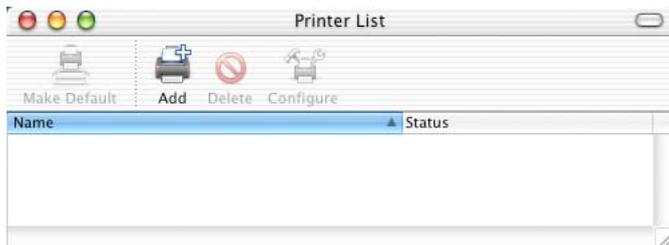
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

When Using a Network Connection

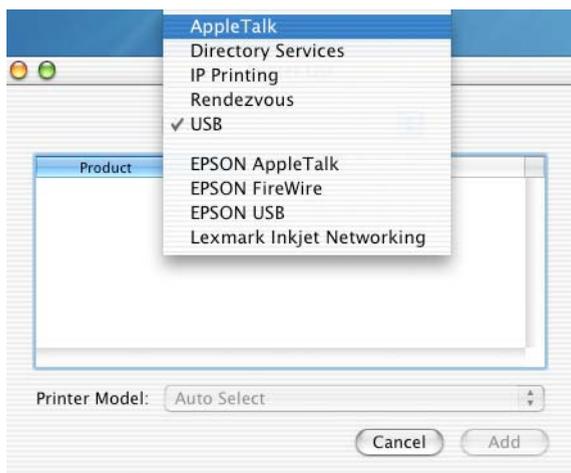
The network connection settings can be specified in one of five ways: AppleTalk setting, Rendezvous setting, IP printing setting, IPP setting and Specifying Port 9100.

AppleTalk Setting

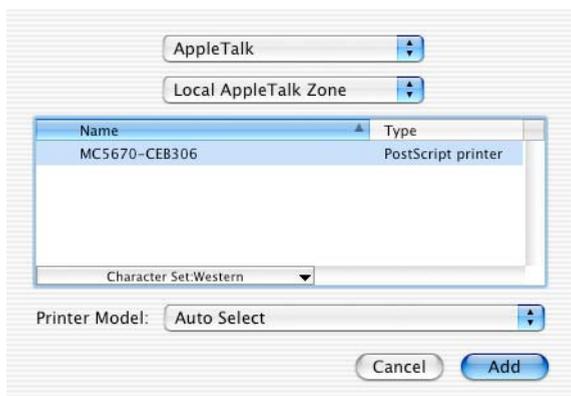
- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **AppleTalk** from the pop-up menu.



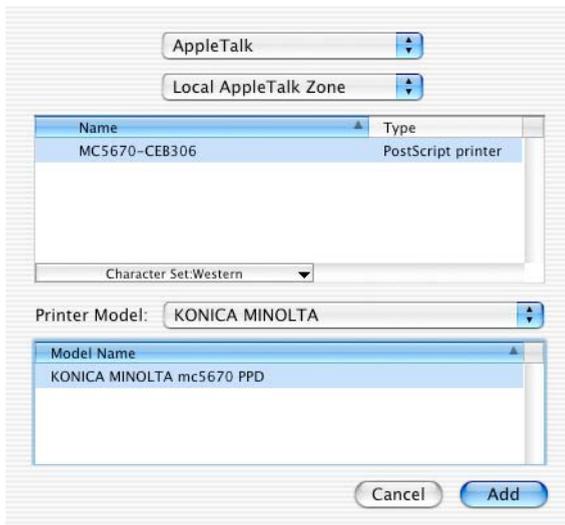
- 5 Select **MC5670(5650)-xxxxxx**.



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

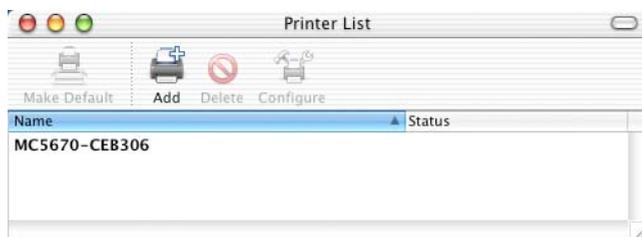
- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Name** list.



- 8 Click **Add**.

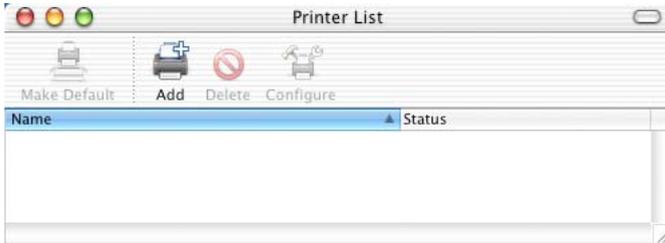
*The new printer appears in the **Printer List** screen.*



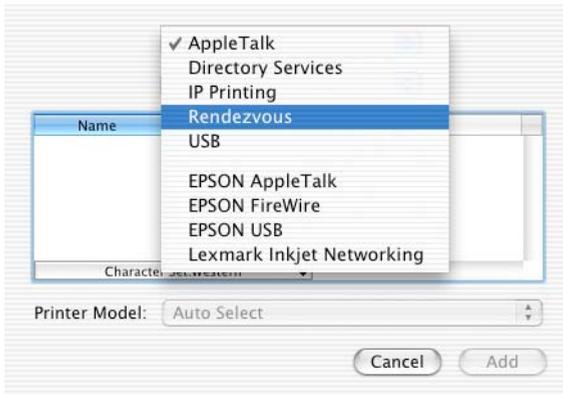
If any options are installed, select them. For details, refer to "Selecting Print Options" on page 63.

Rendezvous Setting

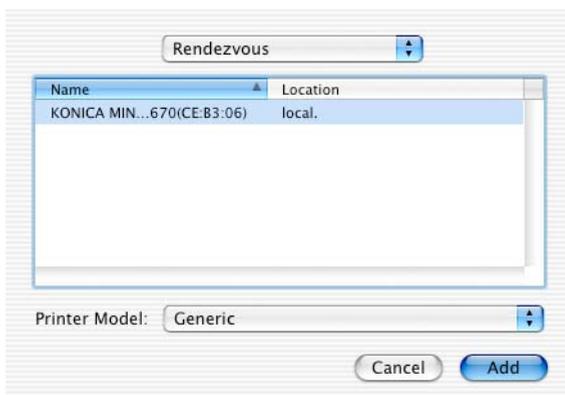
- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **Rendezvous** from the pop-up menu.



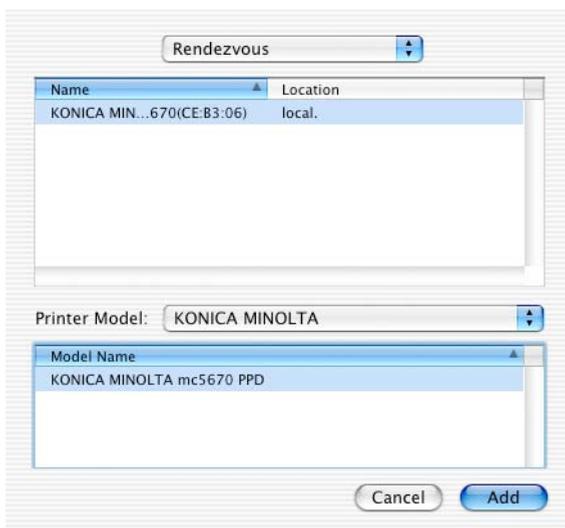
- 5 Select **KONICA MINOLTA magicolor 5670(5650)(xx:xx:xx)**.



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

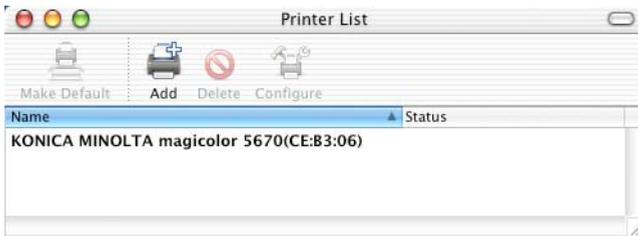
- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



8 Click **Add**.

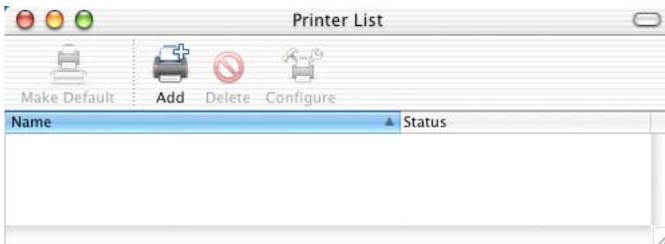
The new printer appears in the **Printer List** screen.



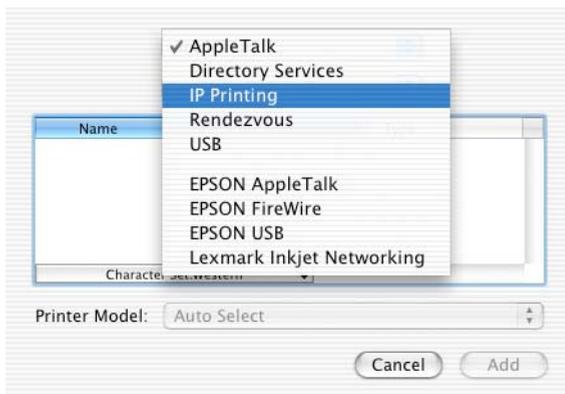
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

IP Printing Setting

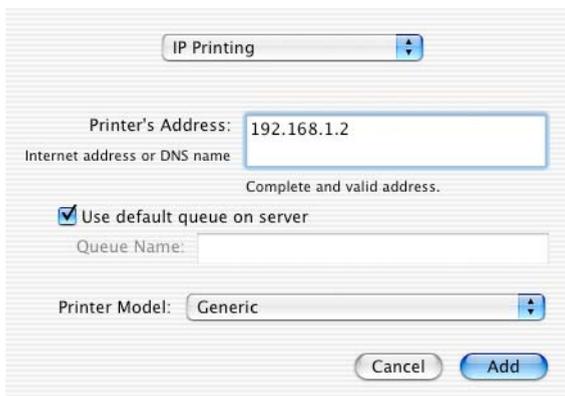
- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **IP Printing** from the pop-up menu.

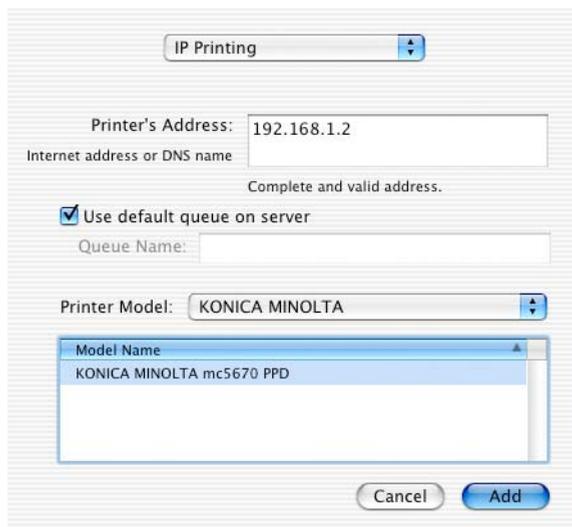


- 5 Enter the IP address for the printer in the **Printer's Address** text box.



- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



IP Printing

Printer's Address: 192.168.1.2
Internet address or DNS name

Complete and valid address.

Use default queue on server

Queue Name:

Printer Model: KONICA MINOLTA

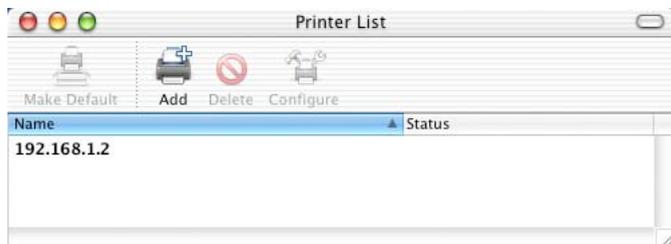
Model Name

KONICA MINOLTA mc5670 PPD

Cancel Add

- 8 Click **Add**.

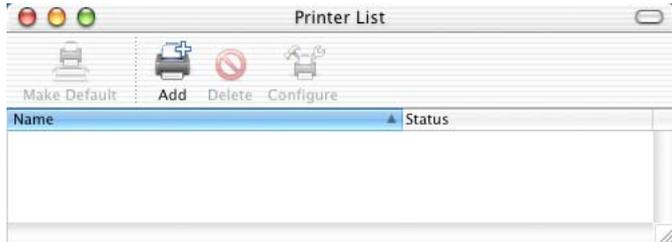
The new printer appears in the **Printer List** screen.



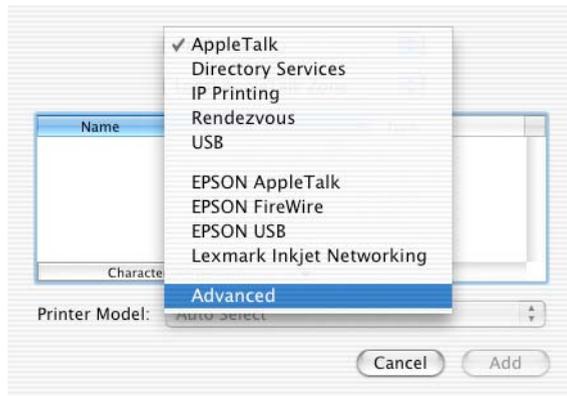
If any options are installed, select them. For details, refer to "Selecting Print Options" on page 63.

IPP Setting

- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add** while pressing the Option key in the keyboard.



- 4 Select **Advanced** from the pop-up menu.

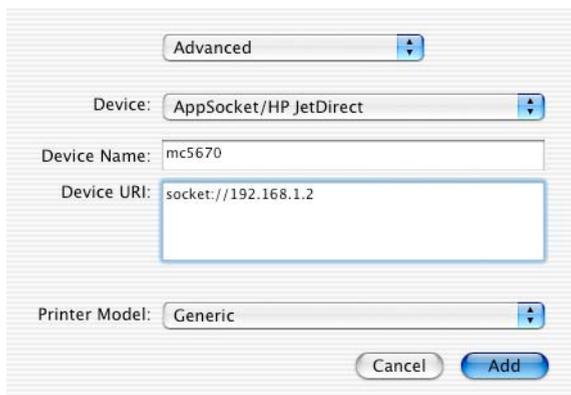


- 5 Select **Internet Printing Protocol (http)** from the **Device** pop-up menu.



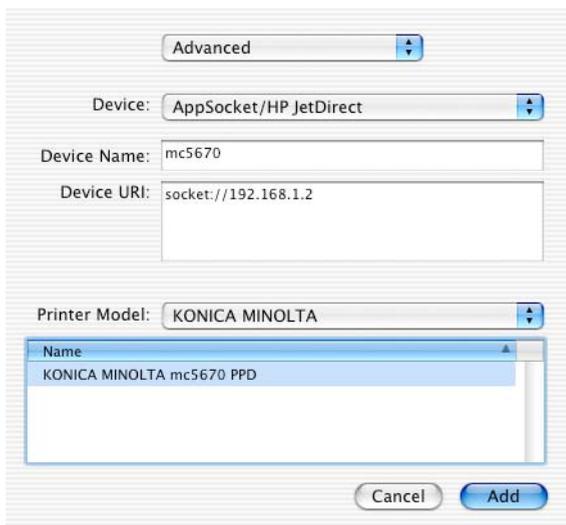
- 6 Enter the name for the printer in the **Device Name** text box.

- 7 In the **Device URI** text box, enter "http://<IP address>/ipp".



- 8 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 9 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Name** list.



Advanced

Device: AppSocket/HP JetDirect

Device Name: mc5670

Device URI: socket://192.168.1.2

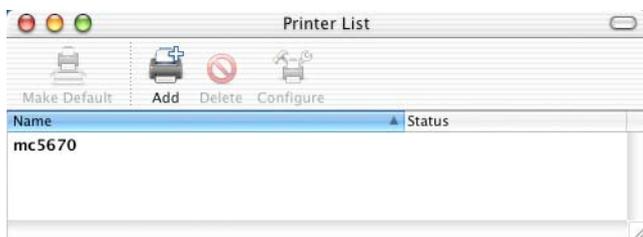
Printer Model: KONICA MINOLTA

Name
KONICA MINOLTA mc5670 PPD

Cancel Add

- 10 Click **Add**.

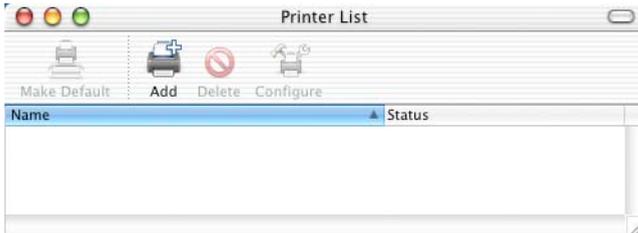
*The new printer appears in the **Printer List** screen.*



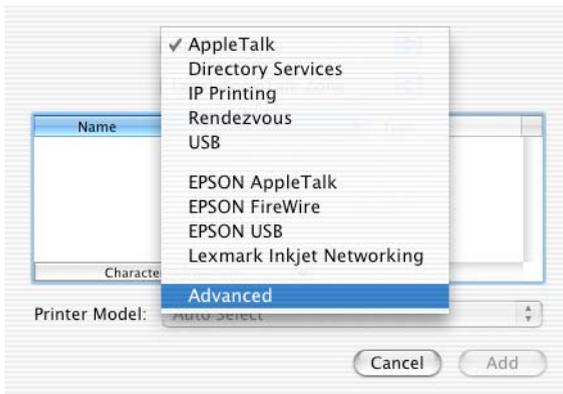
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

Specifying Port 9100

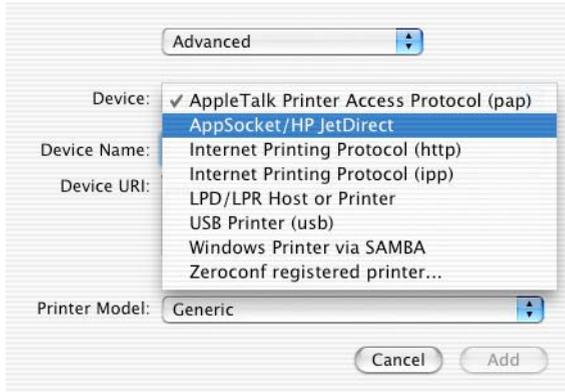
- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add** while pressing the Option key in the keyboard.



- 4 Select **Advanced** from the pop-up menu.

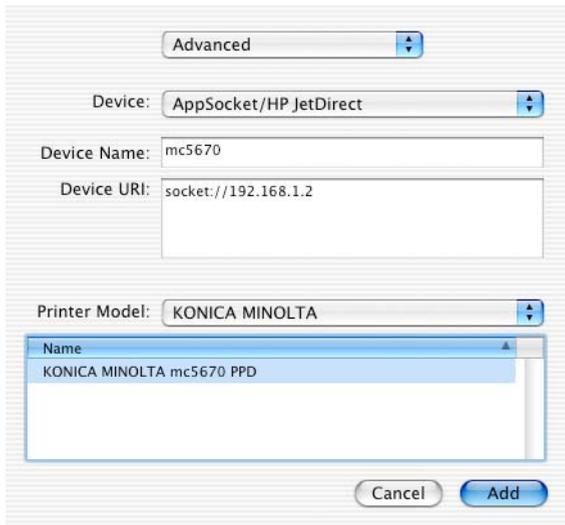


- 5 Select **AppSocket/HP JetDirect** from the **Device** pop-up menu.



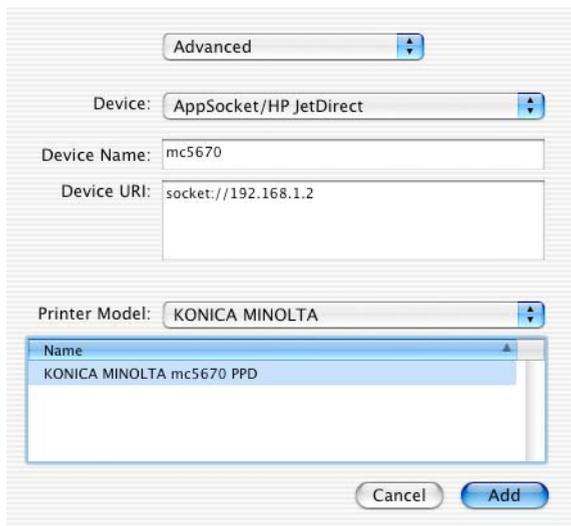
- 6 Enter the name for the printer in the **Device Name** text box.

- 7 In the **Device URI** text box, enter "socket://<IP address>".



- 8 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 9 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Name** list.



Advanced

Device: AppSocket/HP JetDirect

Device Name: mc5670

Device URI: socket://192.168.1.2

Printer Model: KONICA MINOLTA

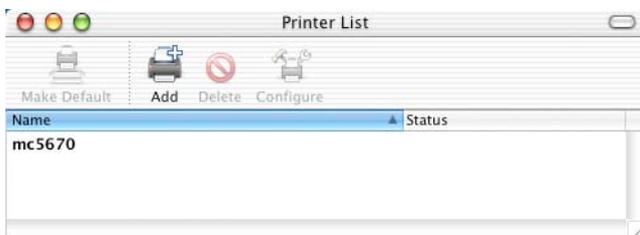
Name

KONICA MINOLTA mc5670 PPD

Cancel Add

- 10 Click **Add**.

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

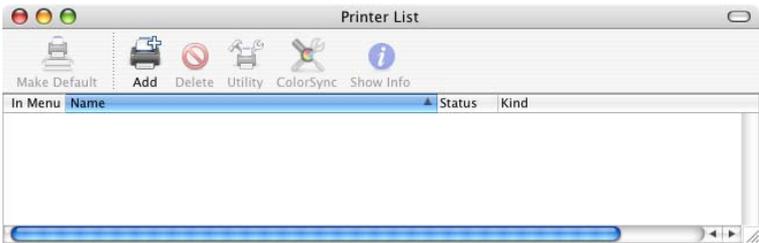


If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

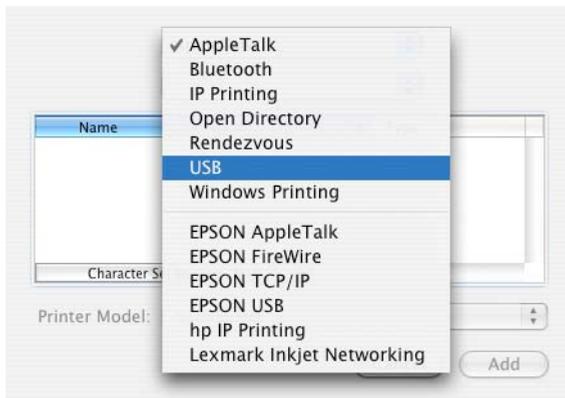
Printer Setup Utility Settings (Mac OS X 10.3)

When Using a USB Connection

- 1 Use a USB cable to connect the printer to your computer.
- 2 Check that the printer is turned on, and then restart the computer.
- 3 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 4 In the **Printer List**, click **Add**.



- 5 Select **USB** from the pop-up menu.

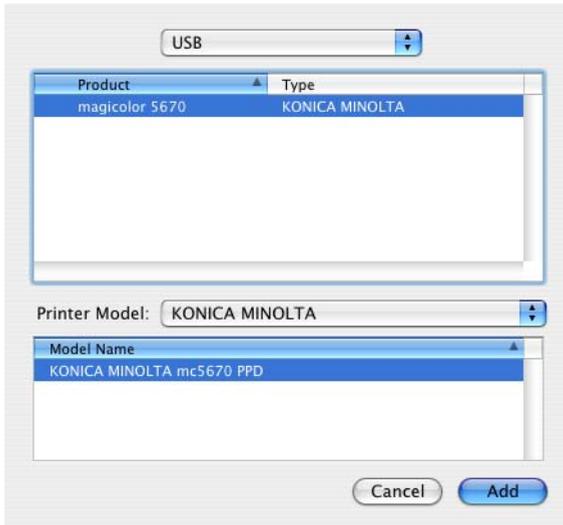


- 6 Select **magicolor 5670(5650)** in the **Product** list.



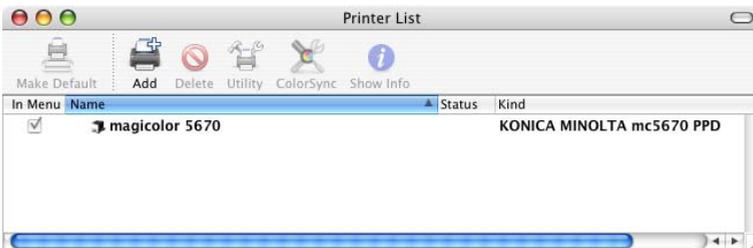
*If **magicolor 5670(5650)** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



- 8 Click **Add**.

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



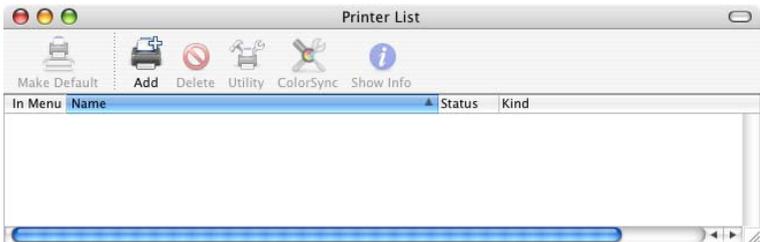
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

When Using a Network Connection

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

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**.



- 4 Select **AppleTalk** from the pop-up menu.

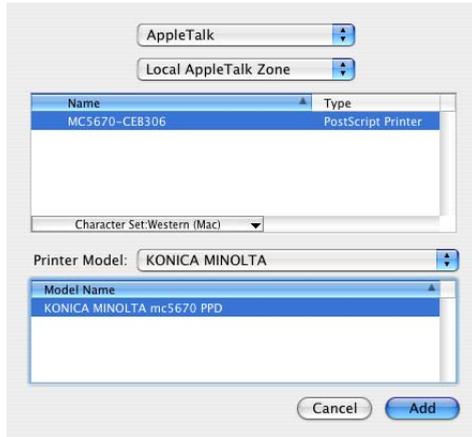


- 5 Select **MC5670(5650)-xxxxxx** in the **Name** list.



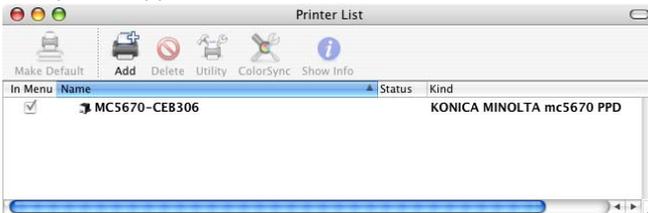
"xxxxxxx" refers to the last six digits of the MAC address (in hexadecimal).

- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.
- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



- 8 Click **Add**.

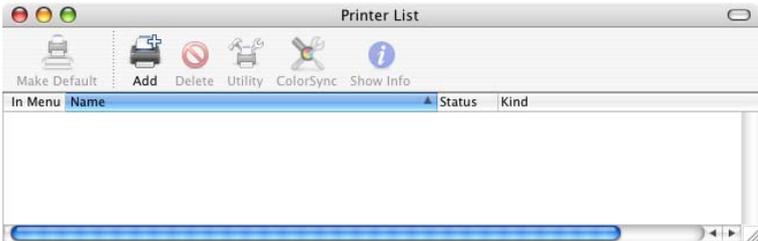
The new printer appears in the **Printer List** screen.



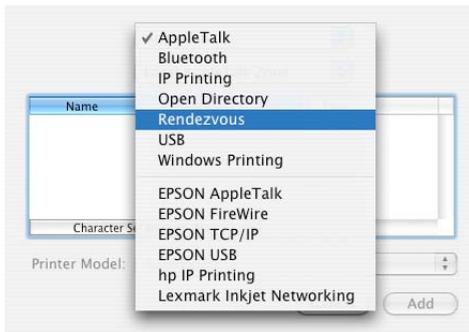
If any options are installed, select them. For details, refer to "Selecting Print Options" on page 63.

Rendezvous Setting

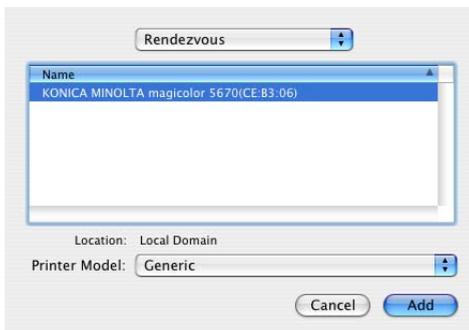
- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **Rendezvous** from the pop-up menu.

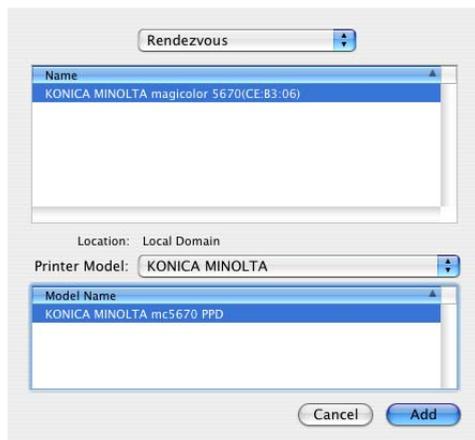


- 5 Select **KONICA MINOLTA magicolor 5670(5650)(xx:xx:xx)** in the **Name** list.



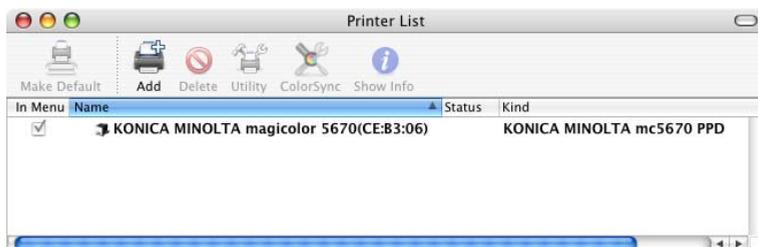
"xx:xx:xx" refers to the last six digits of the MAC address (in hexadecimal).

- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.
- 7 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



- 8 Click **Add**.

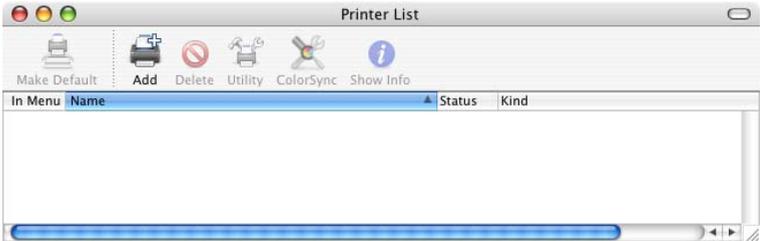
*The new printer appears in the **Printer List** screen.*



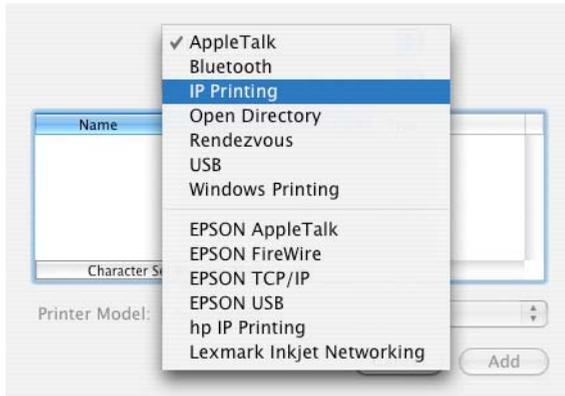
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

IP Printing Setting

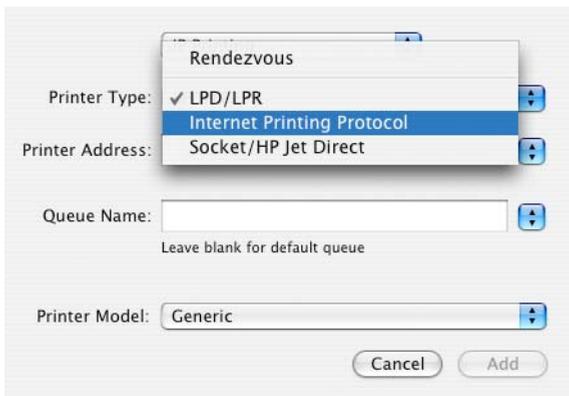
- 1 Connect the machine to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **IP Printing** from the pop-up menu.



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



Printer Type: Rendezvous
 LPD/LPR
 Internet Printing Protocol
 Socket/HP Jet Direct

Printer Address:

Queue Name:
Leave blank for default queue

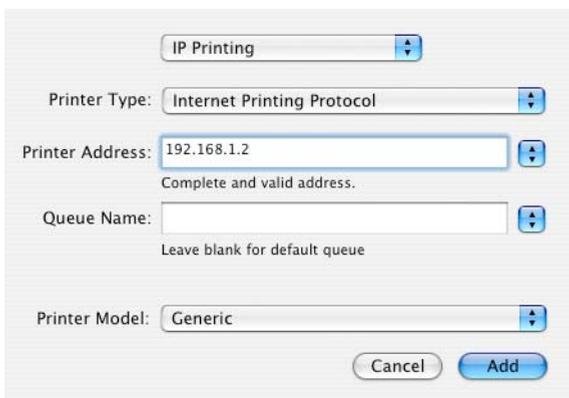
Printer Model: Generic

Cancel Add



- For an LPD setup, select **LPD/LPR**.
- For an IPP setup, select **Internet Printing Protocol**.
- For a port 9100 setup, select **Socket/HP Jet Direct**.

- 6 Enter the IP address for the machine in the **Printer Address** text box.



IP Printing

Printer Type: Internet Printing Protocol

Printer Address: 192.168.1.2
Complete and valid address.

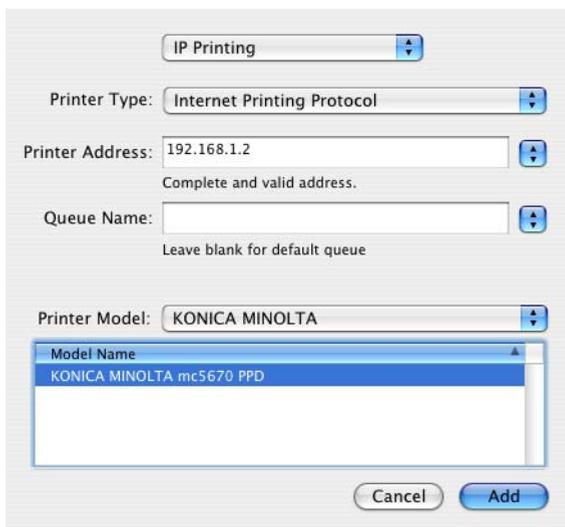
Queue Name:
Leave blank for default queue

Printer Model: Generic

Cancel Add

- 7 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 8 Select **KONICA MINOLTA mc5670(5650) PPD** in the **Model Name** list.



IP Printing

Printer Type: Internet Printing Protocol

Printer Address: 192.168.1.2
Complete and valid address.

Queue Name:
Leave blank for default queue

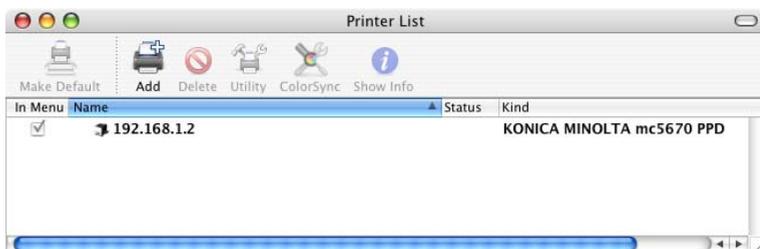
Printer Model: KONICA MINOLTA

Model Name
KONICA MINOLTA mc5670 PPD

Cancel Add

- 9 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 63.*

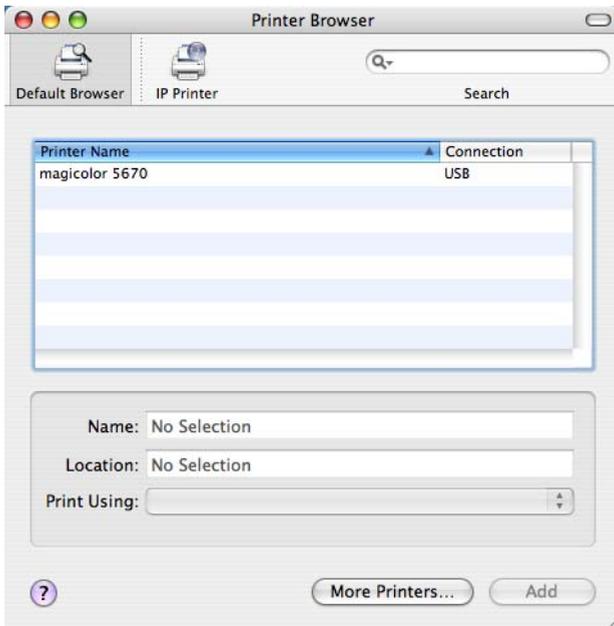
Printer Setup Utility Settings (Mac OS X 10.4)

When Using a USB Connection

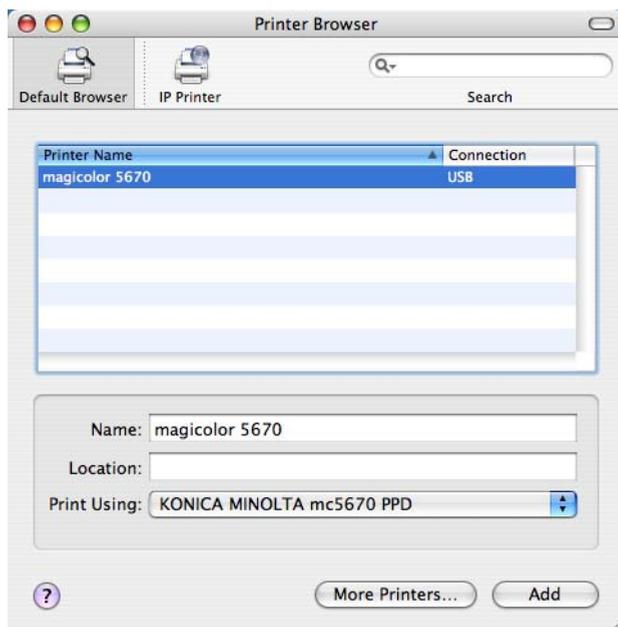
- 1 Use a USB cable to connect the printer to your computer.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add**.



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



- 4 Select **magicolor 5670(5650)** in the **Printer Name** list.

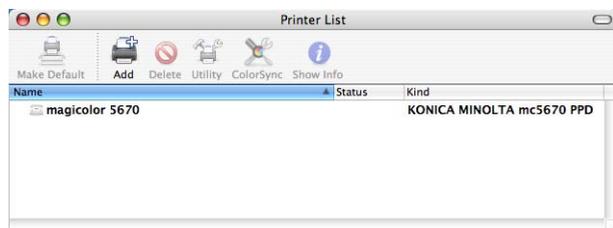


 If **magicolor 5670(5650)** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.

- 5 Check that **KONICA MINOLTA mc5670(5650) 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 63.

When Using a Network Connection

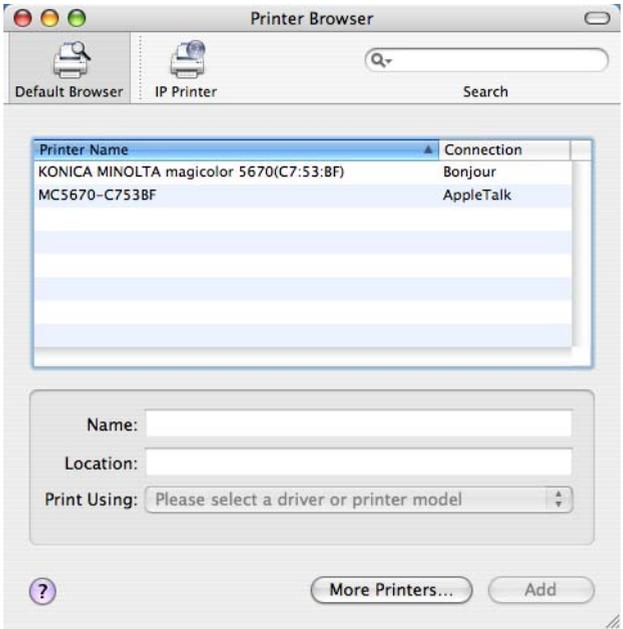
The network connection settings can be specified in one of three ways: Bonjour Setting, AppleTalk setting and IP printing setting (IPP, LPD or Socket).

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**.



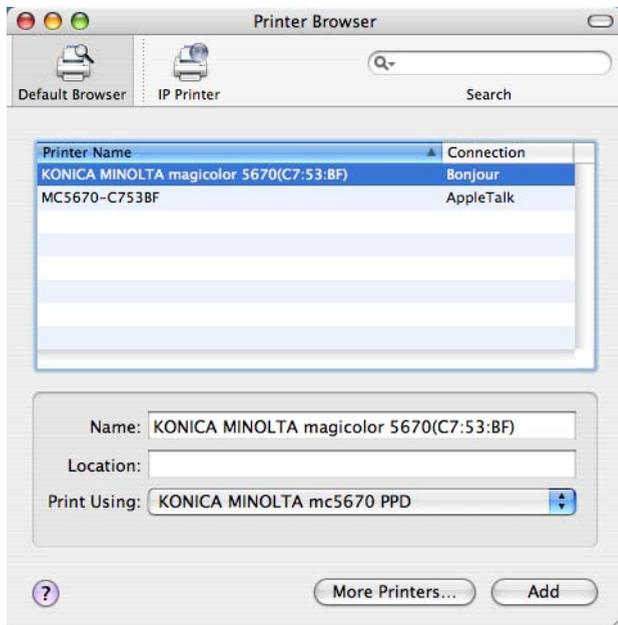
*The detected printer appears in the **Printer Browser**.*



- 4 Select **KONICA MINOLTA magicolor 5670(5650)(xx:xx:xx)** in the **Printer Name** list.



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

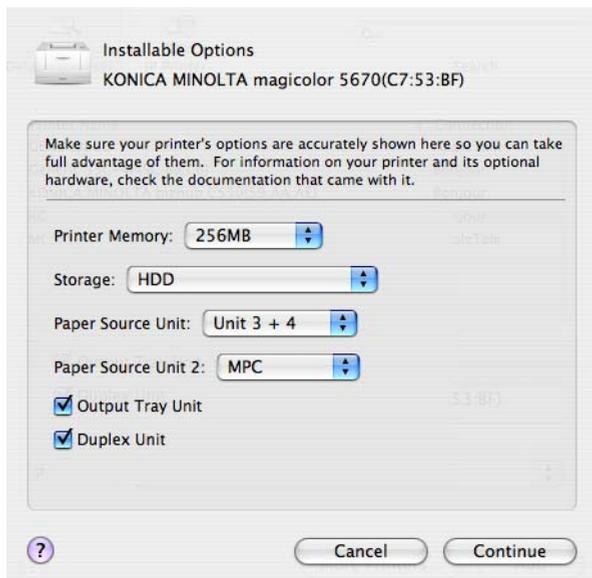


- 5 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.
- 6 Click **Add**.

- 7 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Paper Source Unit 2**, **Output Tray** and **Duplex Unit** according to your printer setup.

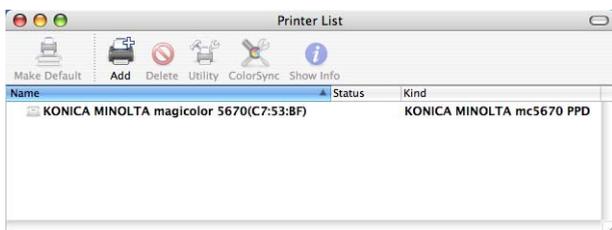


Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.



- 8 Click **Continue**.

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

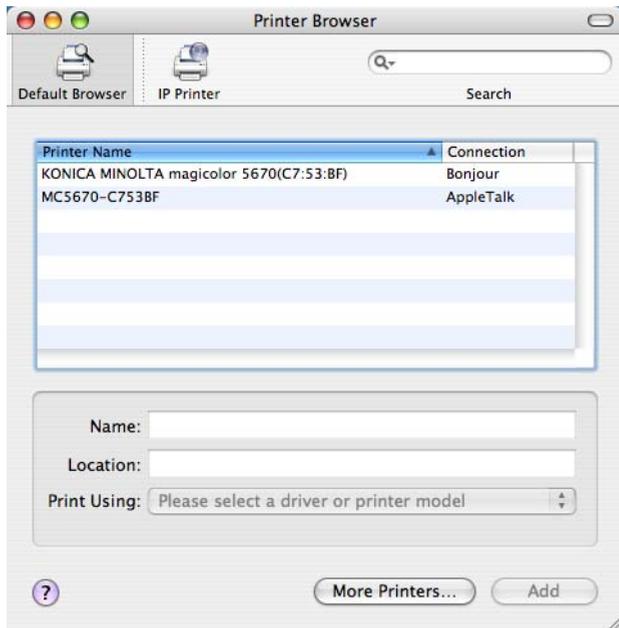


AppleTalk Setting

- 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**.

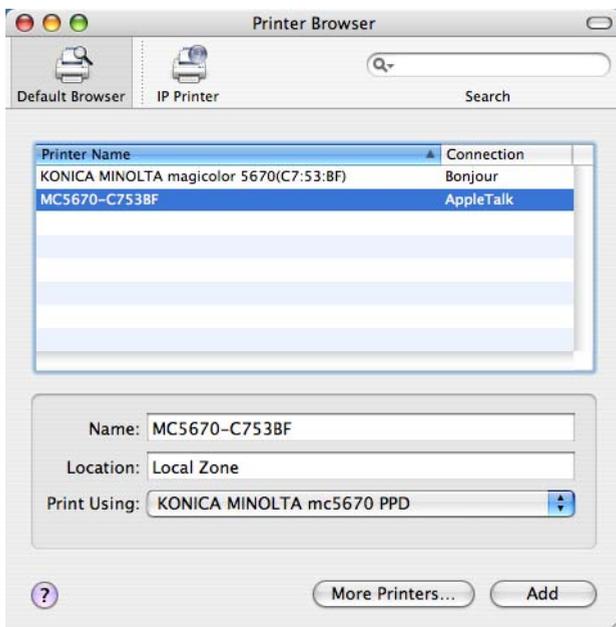


*The detected printer appears in the **Printer Browser**.*



- 4 Select **MC5670(5650)-xxxxxx** in the **Printer Name** list.

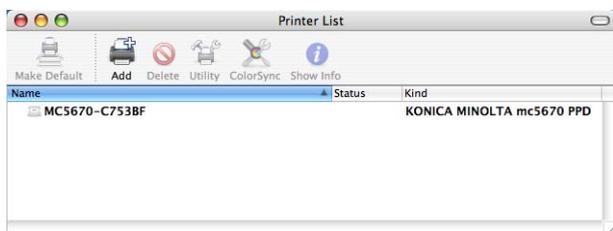
 “xxxxxx” refers to the last six digits of the MAC address (in hexadecimal).



- 5 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.

- 6 Click **Add**.

The new printer appears in the Printer List screen.



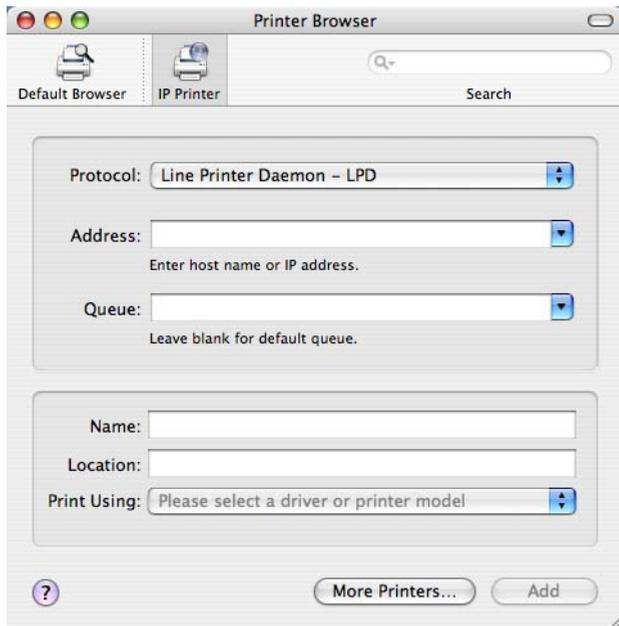
 If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

IP Printing Setting

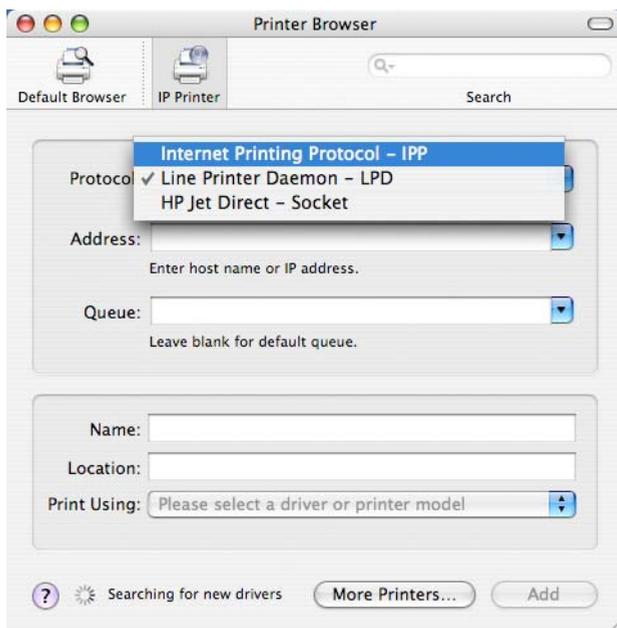
- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Click **IP Printer**.

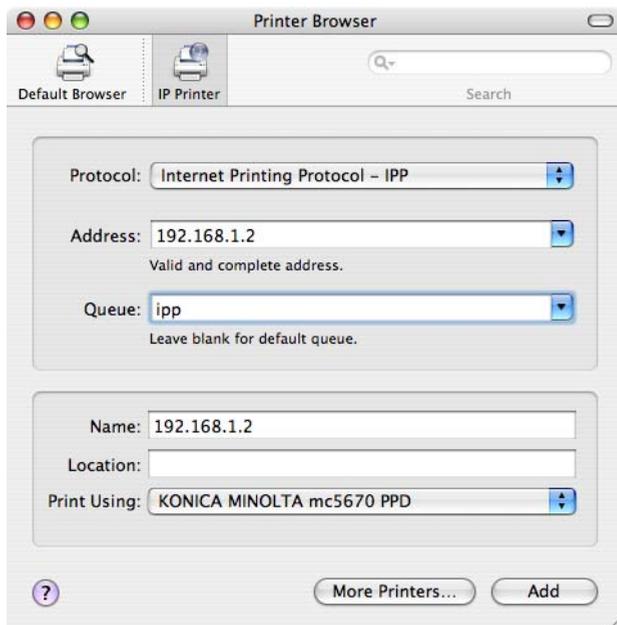


- 5 Select desired print protocol from the **Protocol** pop-up menu.



- 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.



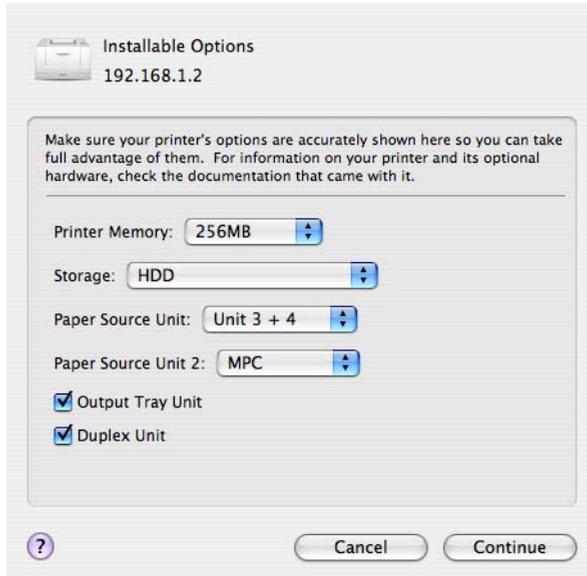
For an IPP setup, "ipp" in the **Queue** text box.

- 7 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.
- 8 Click **Add**.

- 9 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Paper Source Unit 2**, **Output Tray** and **Duplex Unit** according to your printer setup.

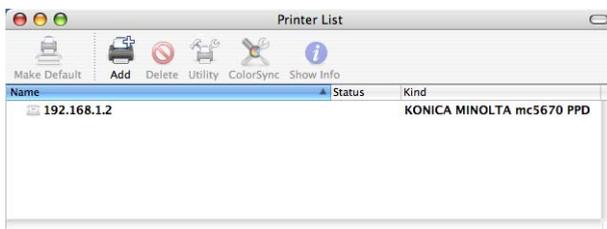


Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.



- 10 Click **Continue**.

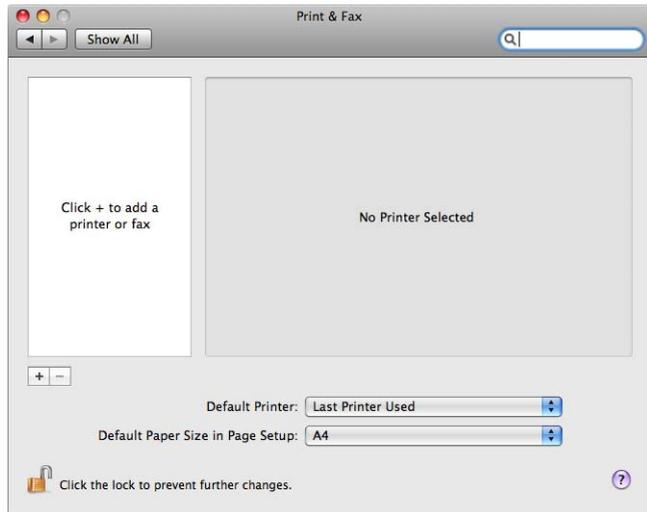
The new printer appears in the **Printer List** screen.



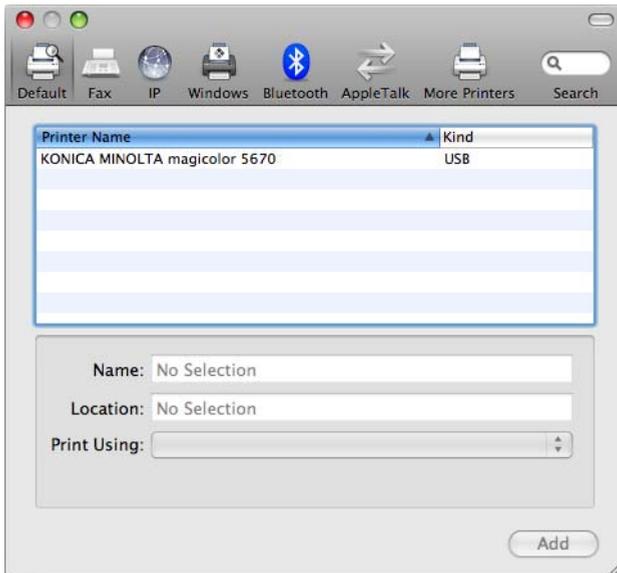
Printer Settings (Mac OS X 10.5/10.6)

When Using a USB Connection

- 1 Use a USB cable to connect the printer to your computer.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



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

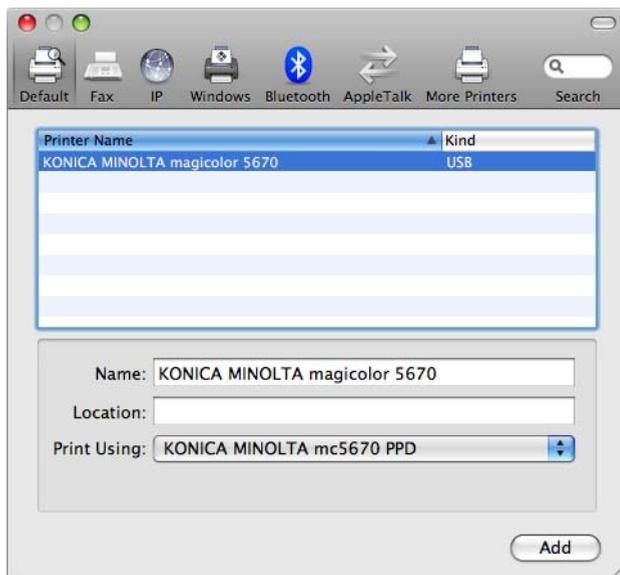


- 5 Select **KONICA MINOLTA magicolor 5670(5650)** in the **Printer Name** list.



*If **KONICA MINOLTA magicolor 5670(5650)** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

- 6 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Printer Using** list.



- 7 Click **Add** and then, click **Configure**.

- 8 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Paper Source Unit 2**, **Output Tray** and **Duplex Unit** according to your printer setup.



Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.

 Installable Options
KONICA MINOLTA magicolor 5670

Make sure your printer's options are accurately shown here so you can take full advantage of them. For information on your printer and its optional hardware, check the documentation that came with it.

Printer Memory: 1024MB

Storage: HDD

Paper Source Unit: Unit 3 + 4

Paper Source Unit 2: MPC

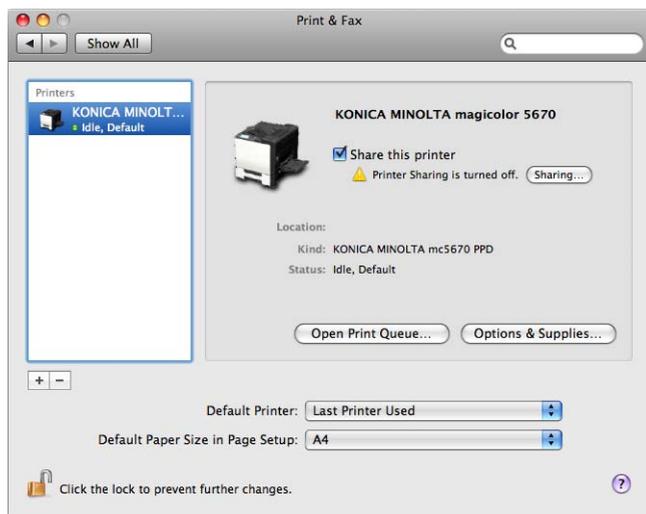
Output Tray Unit

Duplex Unit

 Cancel Continue

9 Click **Continue**.

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

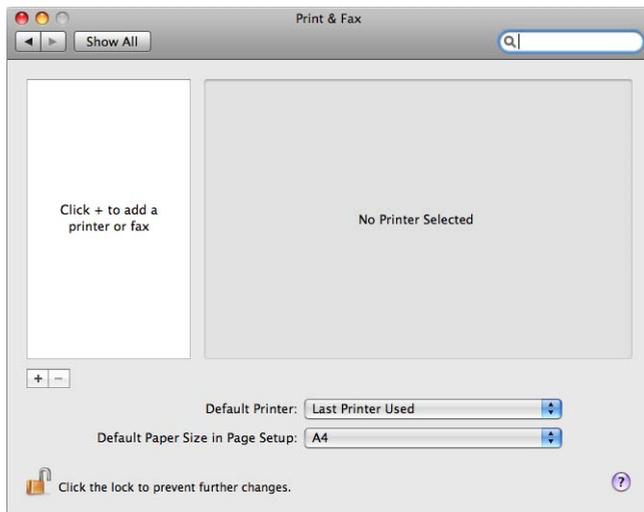


When Using a Network Connection

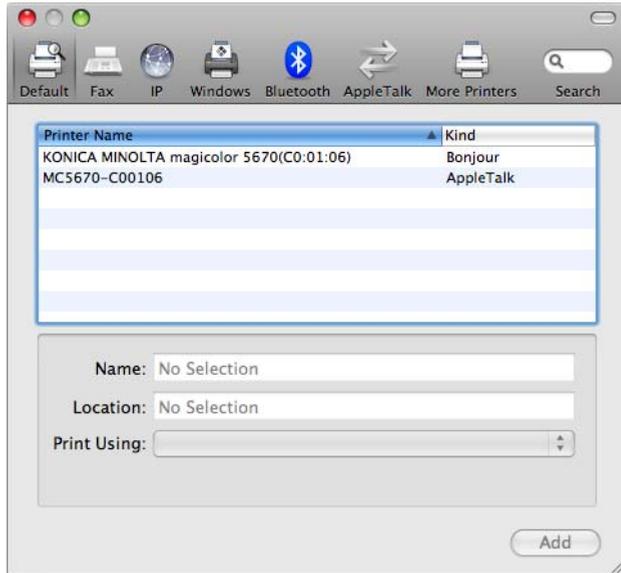
The network connection settings can be specified in one of three ways: Bonjour Setting, AppleTalk setting and IP printing setting (IPP, LPD or Socket).

Bonjour Setting

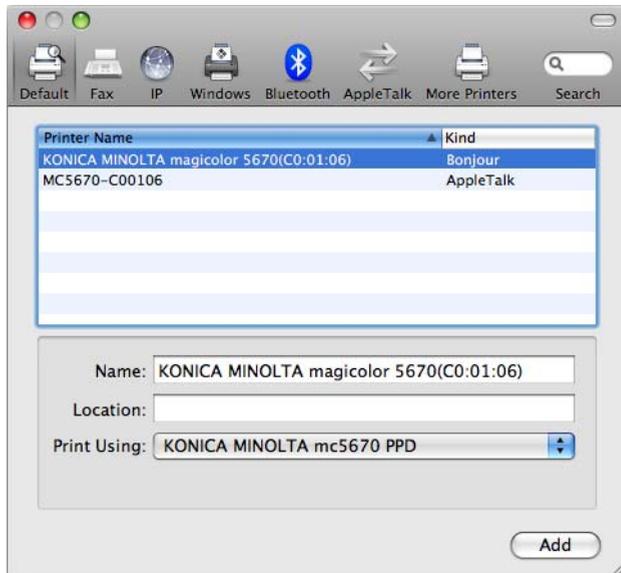
- 1 Connect the printer to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



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



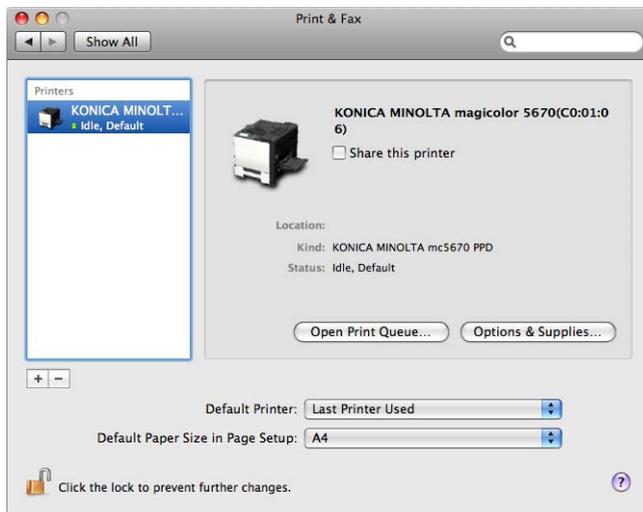
- 5 Select **KONICA MINOLTA magicolor 5670(5650)(xx:xx:xx)** in the **Printer Name** list.



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

- 6 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.
- 7 Click **Add**.

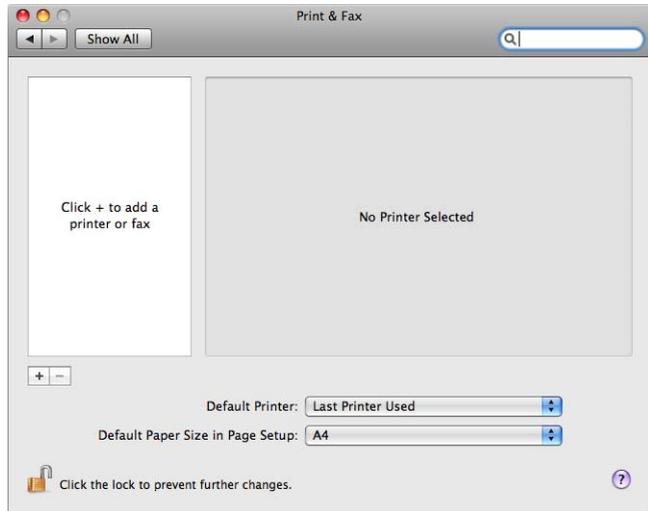
*The new printer appears in the **Printer List** screen.*



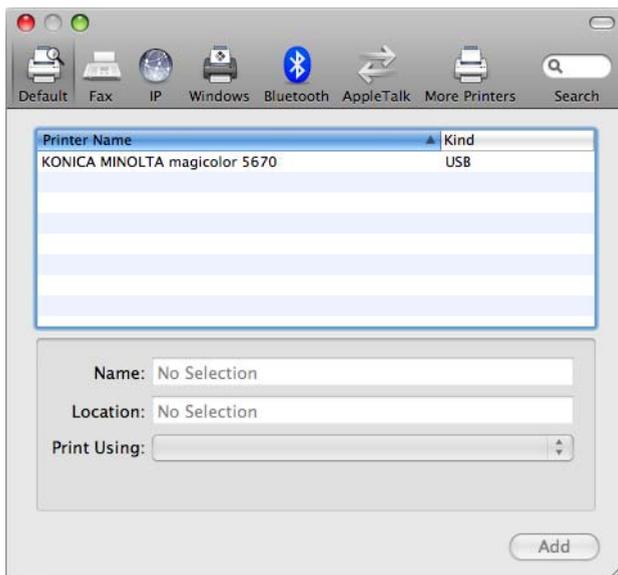
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

AppleTalk Setting

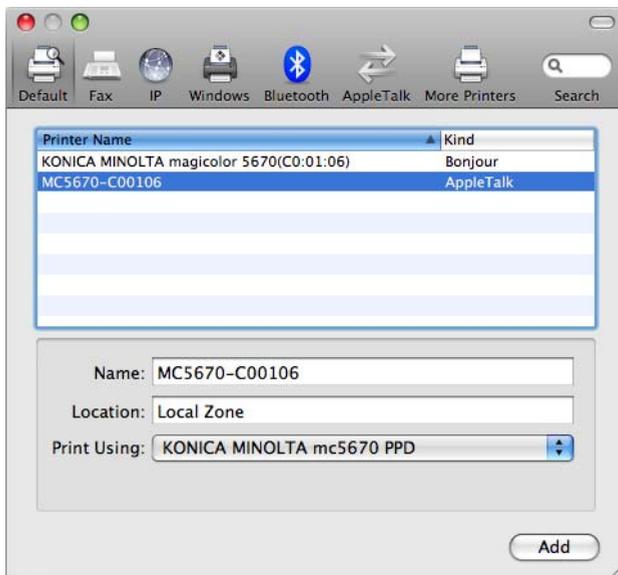
- 1 Connect the printer to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



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



5 Select **MC5670(5650)-xxxxxx** in the **Printer Name** list.

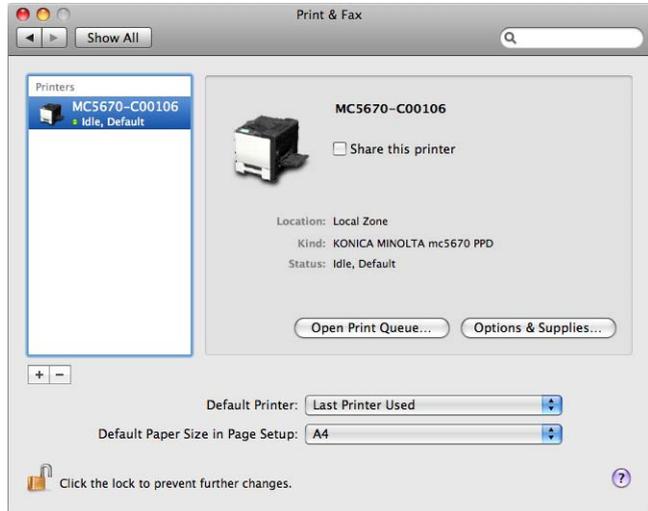


“xxxxxx” refers to the last six digits of the MAC address (in hexadecimal).

6 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.

7 Click **Add**.

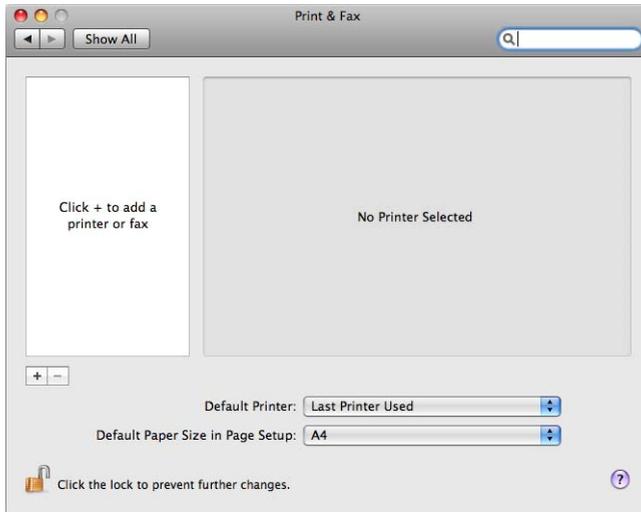
*The new printer appears in the **Printer List** screen.*



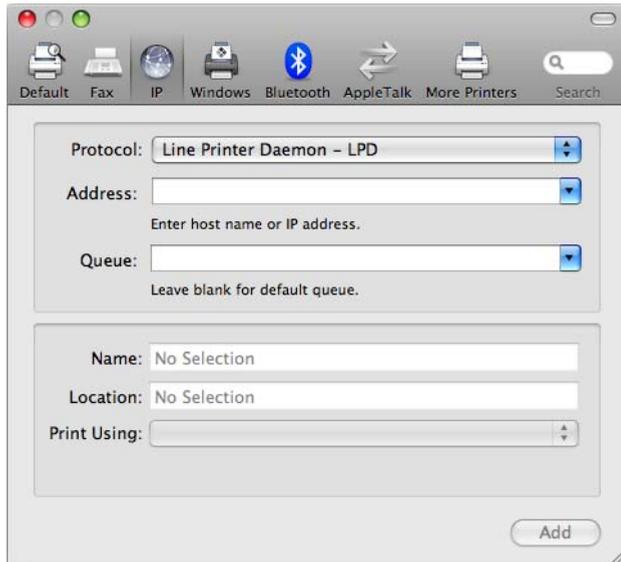
If any options are installed, select them. For details, refer to “Selecting Print Options” on page 63.

IP Printing Setting

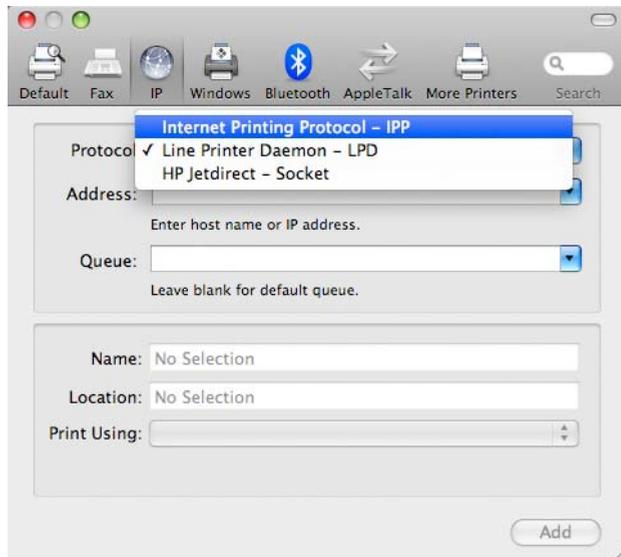
- 1 Connect the printer to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



5 Click IP.

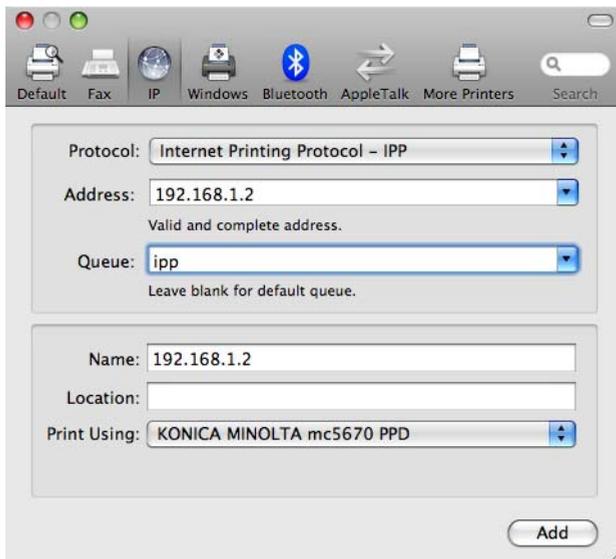


6 Select desired print protocol from the **Protocol** pop-up menu.



- 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**.

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



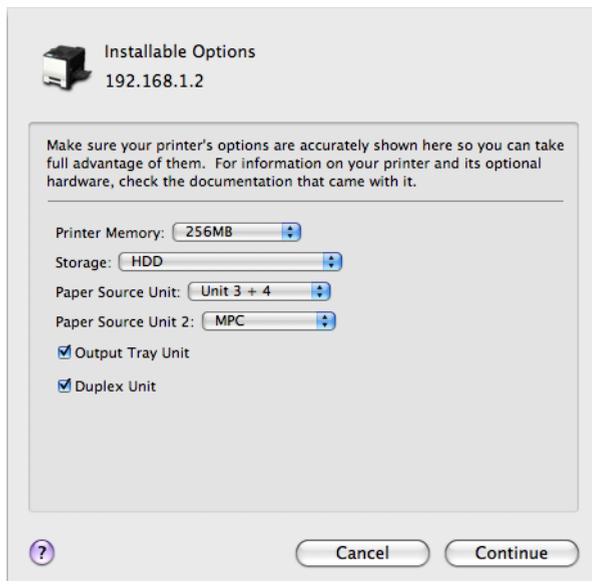
*For an IPP setup, "ipp" in the **Queue** text box.*

- 8 Check that **KONICA MINOLTA mc5670(5650) PPD** is selected in the **Print Using** list.
- 9 Click **Add**.

- 10 Select the appropriate settings in the **Printer Memory, Storage, Paper Source Unit, Paper Source Unit 2, Output Tray** and **Duplex Unit** according to your printer setup.

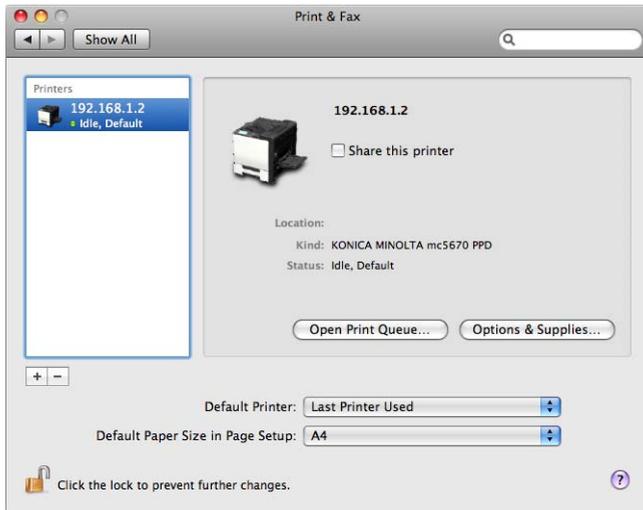


Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.



11 Click **Continue**.

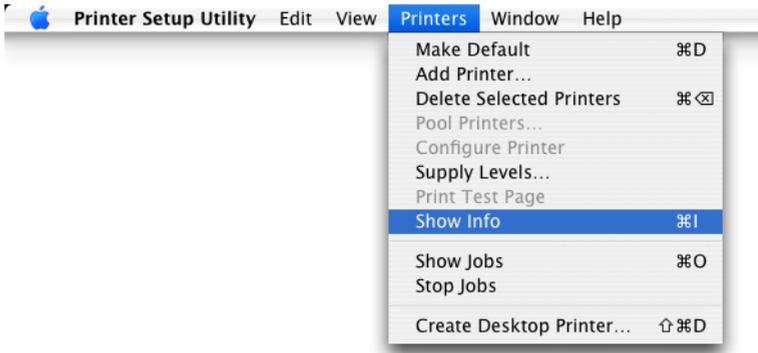
The new printer appears in the **Printer List** screen.



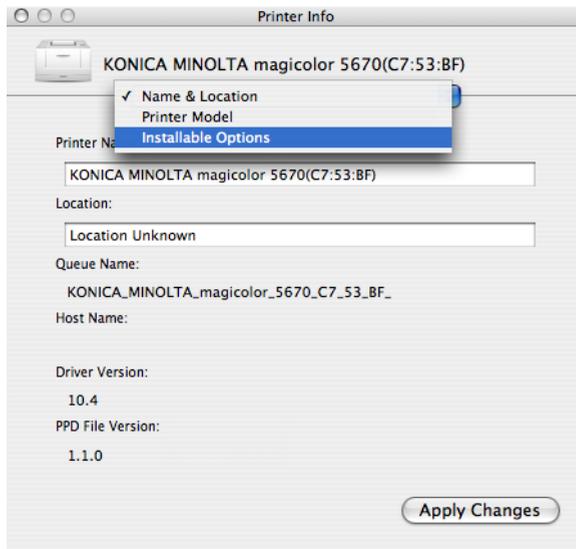
Selecting Print Options

For Mac OS X 10.2/10.3/10.4

- 1 Open **Printer Setup Utility (Print Center)**, 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.



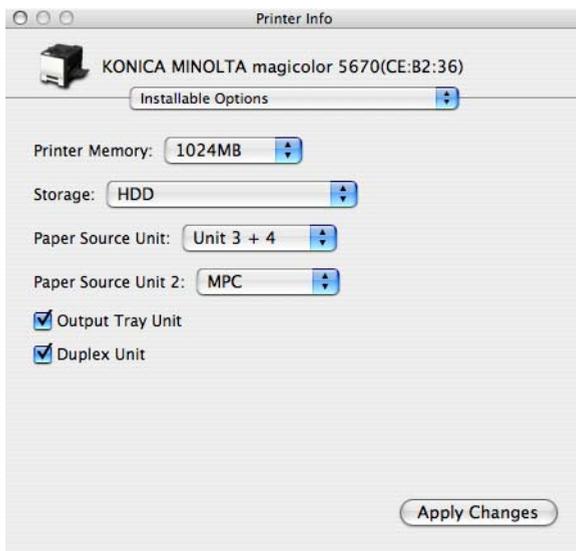
- 3 Select **Installable Options** from the pop-up menu.



- 4 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Paper Source Unit 2**, **Output Tray** and **Duplex Unit** according to your printer setup, and then click **Apply Changes**.



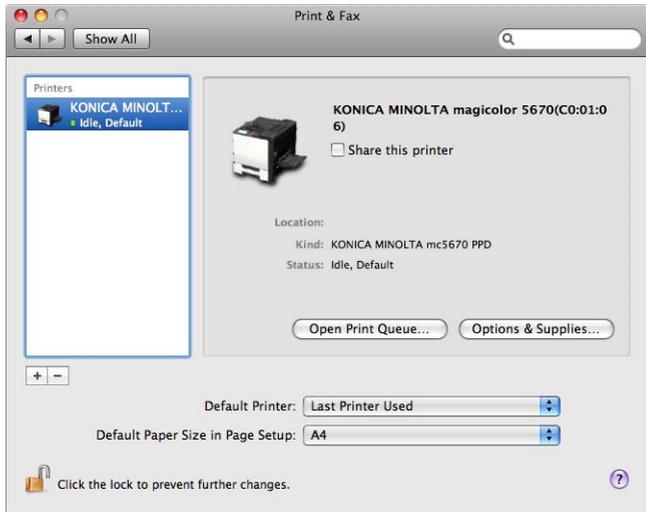
Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.



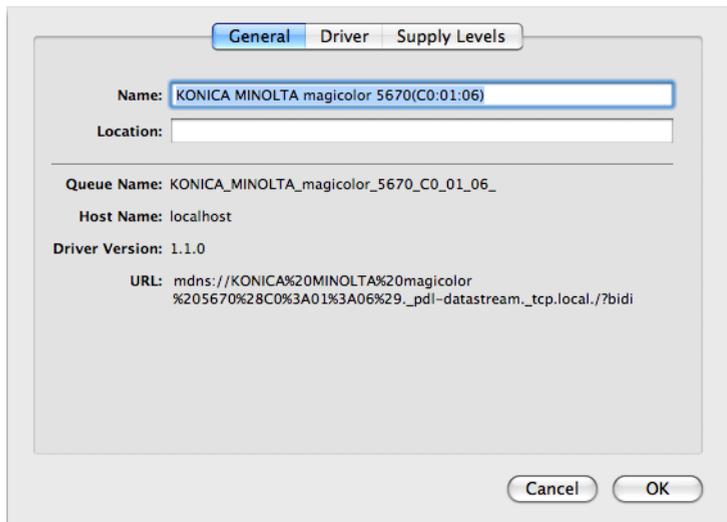
- 5 Close the **Printer Info** dialog box.

For Mac OS X 10.5/10.6

- 1 Select **System Preference** from the Apple menu.
- 2 Click **Print & Fax**.
- 3 Select this printer in the **Printer List**, and then click **Options & Supplies**.



- 4 Select **Driver**.



- 5 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit**, **Paper Source Unit 2**, **Output Tray** and **Duplex Unit** according to your printer setup, and then click **OK**.



Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.

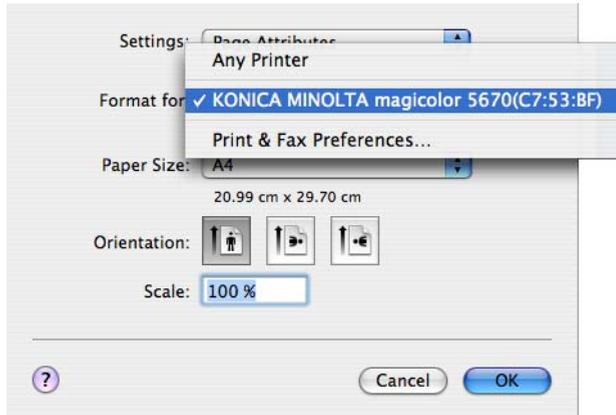
The screenshot shows the 'Driver' tab of a printer configuration window. At the top, there are three tabs: 'General', 'Driver' (selected), and 'Supply Levels'. Below the tabs, the 'Print Using:' dropdown is set to 'KONICA MINOLTA mc5670 PPD'. A note states: 'To take full advantage of your printer's options, confirm that they are accurately shown here. For information on your printer and its optional hardware, check the printer's documentation.' Below this, several settings are listed: 'Printer Memory' is set to '1024MB'; 'Storage' is set to 'HDD'; 'Paper Source Unit' is set to 'Unit 3 + 4'; 'Paper Source Unit 2' is set to 'MPC'. At the bottom, there are two checked checkboxes: 'Output Tray Unit' and 'Duplex Unit'. At the very bottom of the window are 'Cancel' and 'OK' buttons.

- 6 Close the **Print & Fax** screen.

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.

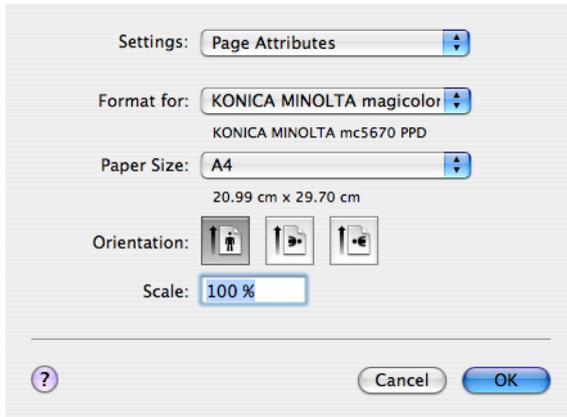


You can select the following sections from the **Settings** pop-up menu.

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%)



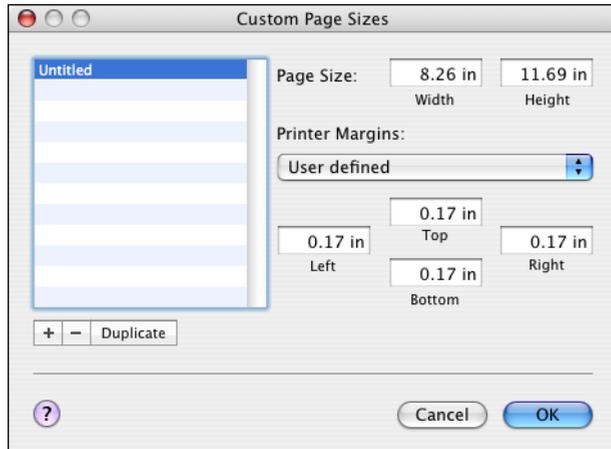
Regardless of which paper size is selected, the printer does not print within 0.157" (4 mm) of the edge of the paper.

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: 5.9 - 14.0" (148 - 356 mm)
Width: 3.6 - 8.5" (92 - 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**.



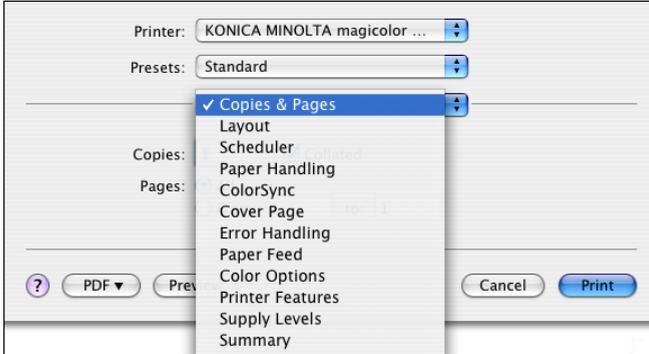
Regardless of which paper size is selected, the printer does not print within 0.157" (4 mm) of the edge of the paper.

Specifying Print Settings (Mac OS X 10.4)

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.

Section	Description
Paper Feed	This section contains paper feed options.
Color Options	This section contains options for color 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.
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.



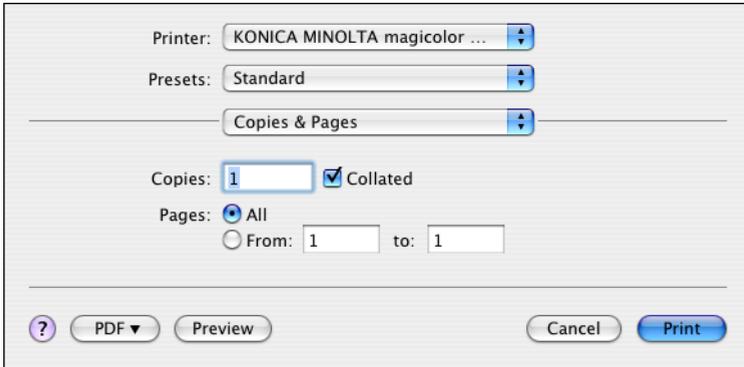
No warning message will be displayed if options cannot be used together are selected.

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** checkbox 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.

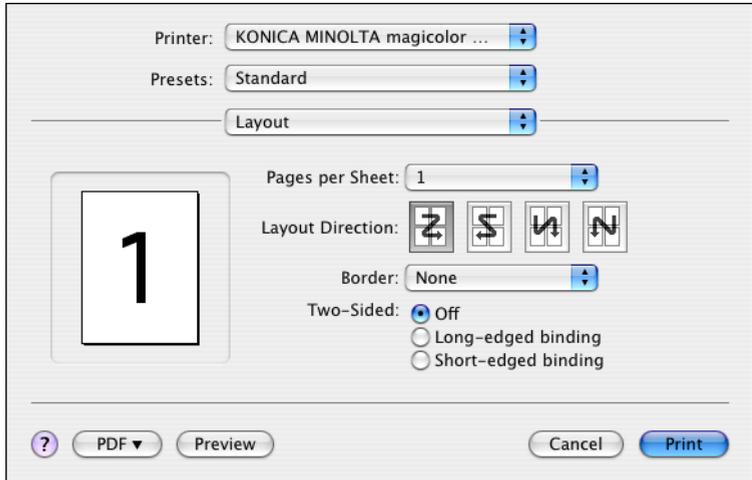
■ Pages

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-edged binding:** Double-sided printing is performed with the binding along the long edge of the paper.
 - Short-edged 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. 64). The **Long-edged binding** check box or **Short-edged binding** 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.

Printer: KONICA MINOLTA magicolor ...

Presets: Standard

Scheduler

Print Document: Now
 At 9:00 AM
 On Hold

Priority: Medium

? PDF Preview Cancel Print

■ 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.

Printer: KONICA MINOLTA magicolor ...

Presets: Standard

Paper Handling

Page Order: Automatic
 Normal
 Reverse

Print: All Pages
 Odd numbered pages
 Even numbered pages

Destination Paper Size:
 Use documents paper size: Letter
 Scale to fit paper size: Letter
 Scale down only

? PDF Preview Cancel Print

■ 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.

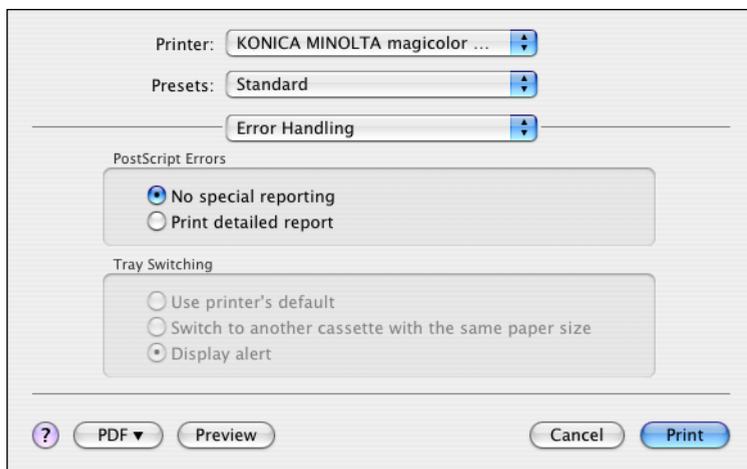
Cover Page



- **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 outputted 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.



Printer: KONICA MINOLTA magicolor ...

Presets: Standard

Paper Feed

All pages from: Auto Select

First page from: Tray 1

Remaining from: Tray 1

? PDF Preview Cancel Print

- 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 tray is installed, select **Unit 3** or **Unit 3 + 4** under **Installable Options** (p. 64). If **Unit 3** or **Unit 3 + 4** is not selected, **Tray 3** and **Tray 4** appear in gray and cannot be selected.



When the 250 sheet tray is installed, select **MPC** under **Installable Options** (p. 64). If **MPC** is not selected, **Tray 2 (MPC)** appears in gray and cannot be selected.

Color Options

Printer: KONICA MINOLTA magicolor ...

Presets: Standard

Color Options

Quick Color: Auto

Brightness: 0%

Color as Grayscale

Color Separation

Economy Print

Edge Strength: Middle

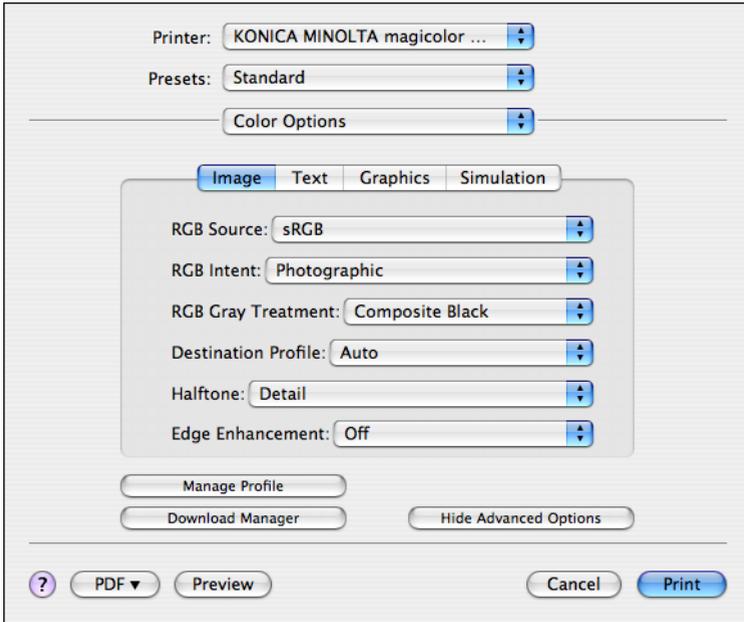
Glossy Mode

Advanced Color Options

? PDF Preview Cancel Print

- Quick Color
Allows you to select a color preset.
- Brightness
Allows you to set Brightness.
- Color as Grayscale
Allows you to set Grayscale color.
- Color Separation
Allows you to set Color Separation.
- Economy Print
Allows you to set Economy Print Mode.
- Edge Strength
Allows you to select Edge Strength.
- Glossy Mode
Allows you to set Glossy Mode.
- Advanced Color Options
Click this button to display the **Advanced Color Options** pane.

Advanced Color Options/Image



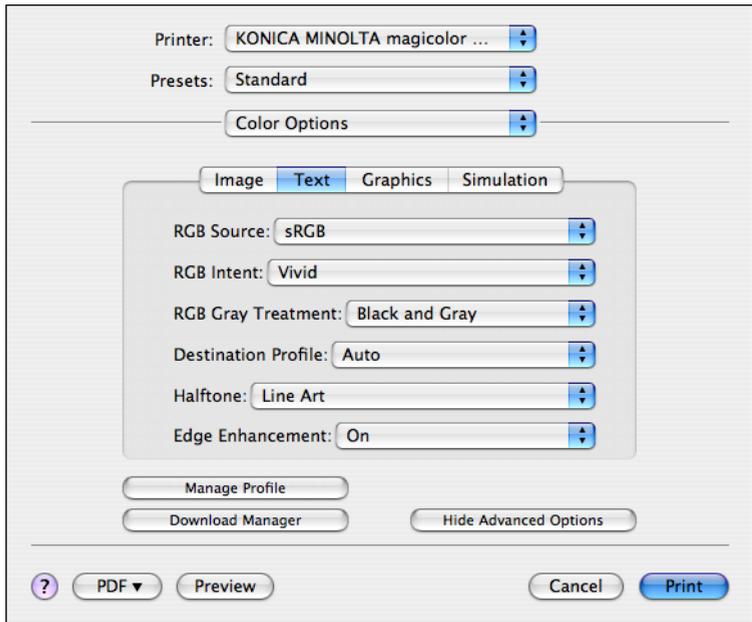
- **RGB Source**
Allows you to select RGB color profiles for images.
- **RGB Intent**
Allows you to select color intent for RGB images.
- **RGB Gray Treatment**
Allows you to select RGB gray treatment for images.
- **Destination Profile**
Allows you to select Destination Profile for images.
- **Halftone**
Allows you to select halftone for images.
- **Edge Enhancement**
Allows you to select Edge Enhancement for images.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.

- Download Manager
Click this button to start up the installed Download Manager.



*In order to start up Download Manager from the **Advanced Color Options** pane, Download Manager must be copied into the folder at the path Application\Download Manager mc5670(mc5650). After creating the folder “Download Manager mc5670(mc5650)” in the “Application” folder, copy Download Manager into the created folder.*

Advanced Color Options/Text



- RGB Source
Allows you to select RGB color profiles for text.
- RGB Intent
Allows you to select color intent for RGB text.
- RGB Gray Treatment
Allows you to select RGB gray treatment for text.
- Destination Profile
Allows you to select Destination Profile for text.
- Halftone
Allows you to select halftone for text.

- **Edge Enhancement**
Allows you to select Edge Enhancement for text.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.
- **Download Manager**
Click this button to start up the installed Download Manager.



*In order to start up Download Manager from the **Advanced Color Options** pane, Download Manager must be copied into the folder at the path Application\Download Manager mc5670(mc5650). After creating the folder “Download Manager mc5670(mc5650)” in the “Application” folder, copy Download Manager into the created folder.*

Advanced Color Options/Graphics

Printer: KONICA MINOLTA magicolor ...

Presets: Standard

Color Options

Image Text **Graphics** Simulation

RGB Source: sRGB

RGB Intent: Vivid

RGB Gray Treatment: Black and Gray

Destination Profile: Auto

Halftone: Detail

Edge Enhancement: On

Manage Profile

Download Manager

Hide Advanced Options

? PDF ▾ Preview Cancel Print

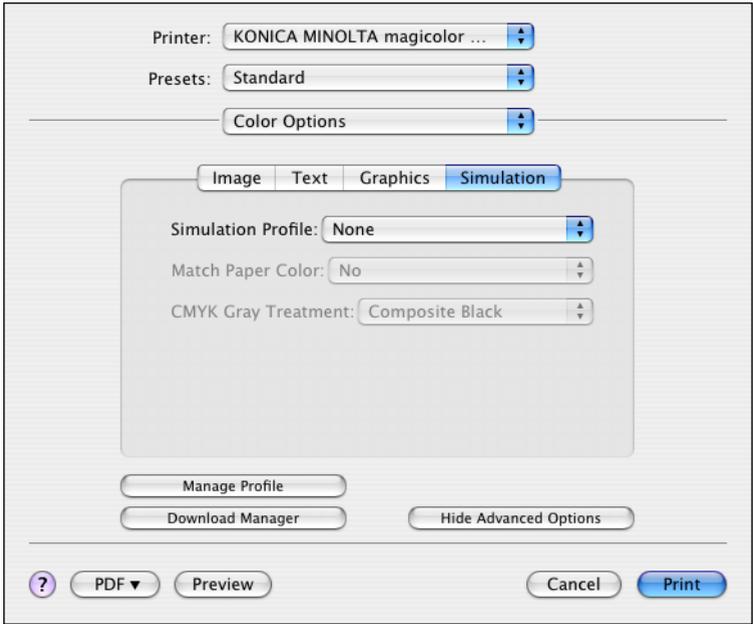
- **RGB Source**
Allows you to select RGB color profiles for graphics.

- **RGB Intent**
Allows you to select color intent for RGB graphics.
- **RGB Gray Treatment**
Allows you to select RGB gray treatment for graphics.
- **Destination Profile**
Allows you to select Destination Profile for graphics.
- **Halftone**
Allows you to select halftone for graphics.
- **Edge Enhancement**
Allows you to select Edge Enhancement for graphics.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.
- **Download Manager**
Click this button to start up the installed Download Manager.



*In order to start up Download Manager from the **Advanced Color Options** pane, Download Manager must be copied into the folder at the path Application\Download Manager mc5670(mc5650). After creating the folder “Download Manager mc5670(mc5650)” in the “Application” folder, copy Download Manager into the created folder.*

Advanced Color Options/Simulation



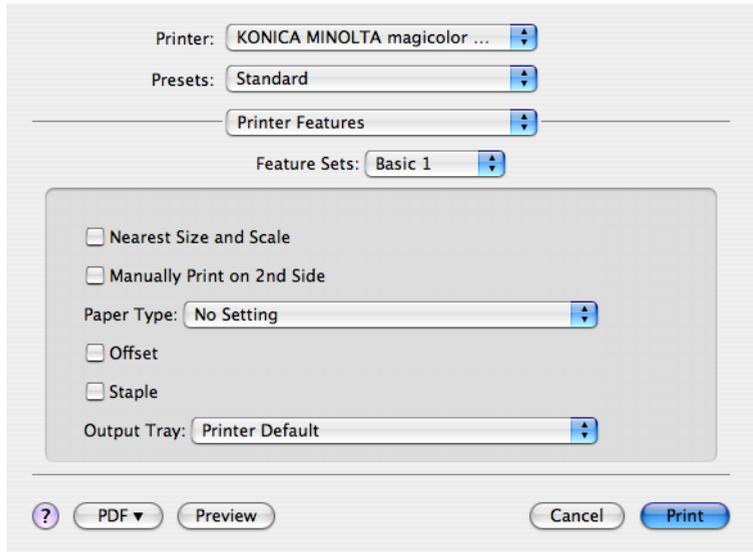
- **Simulation Profiles**
Allows you to select color profiles for simulation.
- **Match Paper Color**
Allows you to set Match Paper Color.
- **CMYK Gray Treatment**
Allows you to select Simulation gray treatment.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.
- **Download Manager**
Click this button to start up the installed Download Manager.



In order to start up Download Manager from the **Advanced Color Options** pane, Download Manager must be copied into the folder at the path `Application\Download Manager mc5670(mc5650)`. After creating the folder “Download Manager mc5670(mc5650)” in the “Application” folder, copy Download Manager into the created folder.

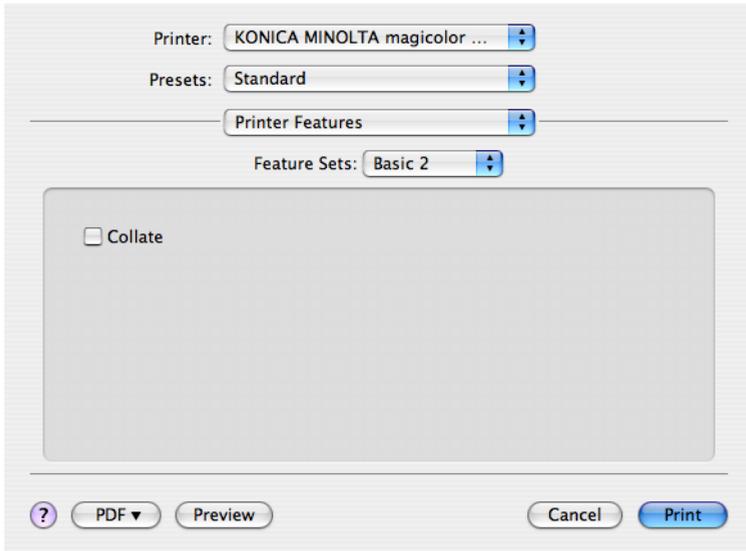
Printer Features

Basic 1



- **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.
- **Staple**
Select whether or not to staple with the staple finisher.
- **Output Tray**
Select the output tray for the staple finisher.

Basic 2

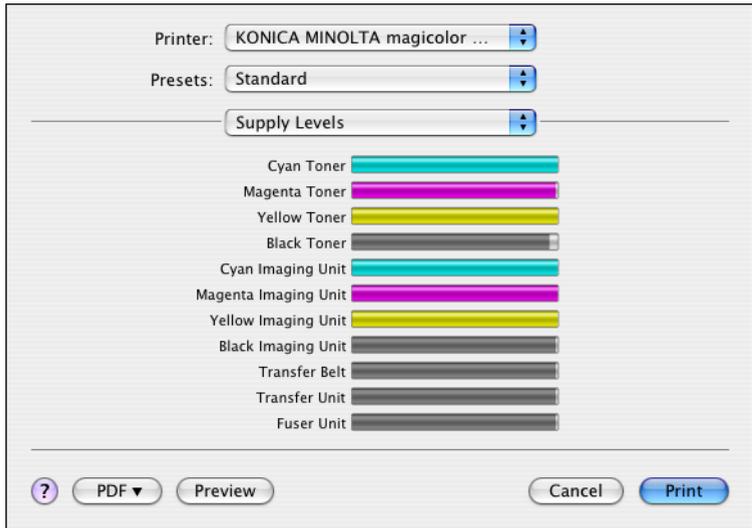


- Collate
Select whether or not to use the collate function.



*If the staple finisher is installed, refer to “Selecting Print Options” on page 63 to specify settings for the staple finisher. If the settings are not specified, **Offset**, **Staple** and **Output Tray** are not available.*

Supply Levels



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



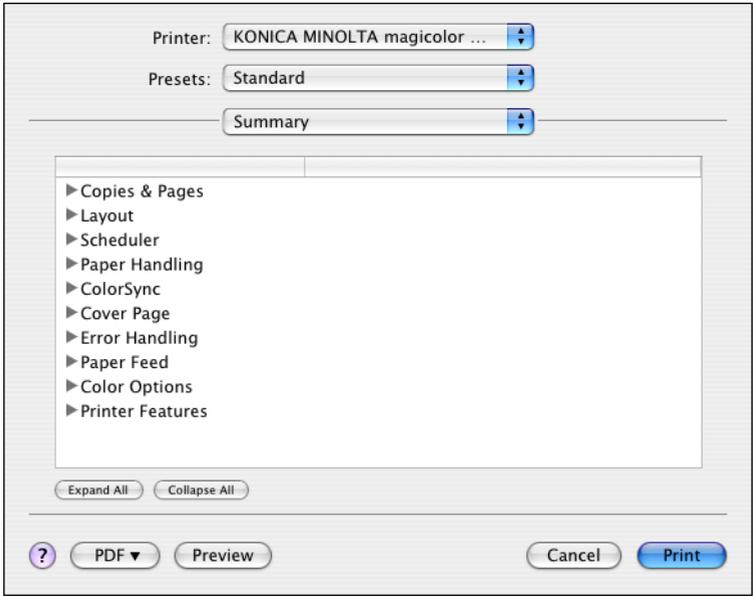
*The **Supply Levels** section appears when a printer is created on Mac OS X 10.4 with a Bonjour, IPP, LPD, Socket connection.*



*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.



Specifying Print Settings (Mac OS X 10.5/10.6)

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

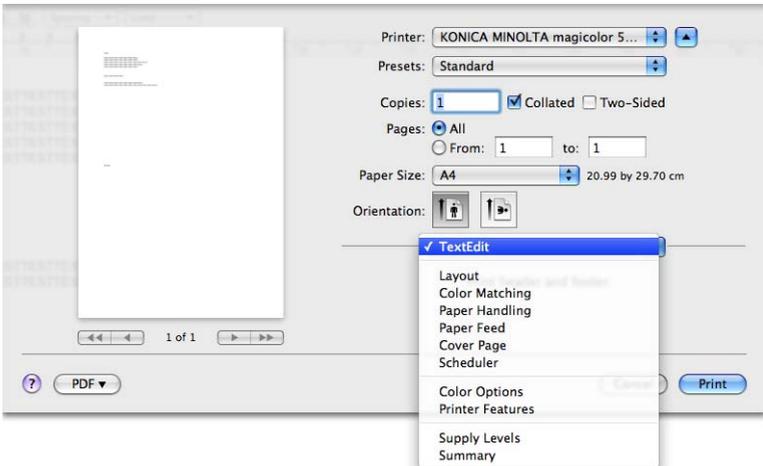
1 Select **Print...** from the **File** menu.

*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
Text Edit	This section contains options for printing the header and footer.
Layout	This section contains options for specifying the page layout when printing and the setting for double-sided printing.
Color Matching	This section contains options for specifying ColorSync settings.
Paper Handling	This section contains options for specifying the pages to be printed and their printing order.
Paper Feed	This section contains paper feed options.

Section	Description
Cover Page	This section contains options for specifying cover page settings.
Scheduler	This section contains options for specifying the print timing and priority of jobs.
Color Options	This section contains options for color 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.
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.
- 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
This specifies the number of copies to be printed. If the **Collated** checkbox 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. If Two-Sided checkbox is selected, the document is printed on both sides of the paper.



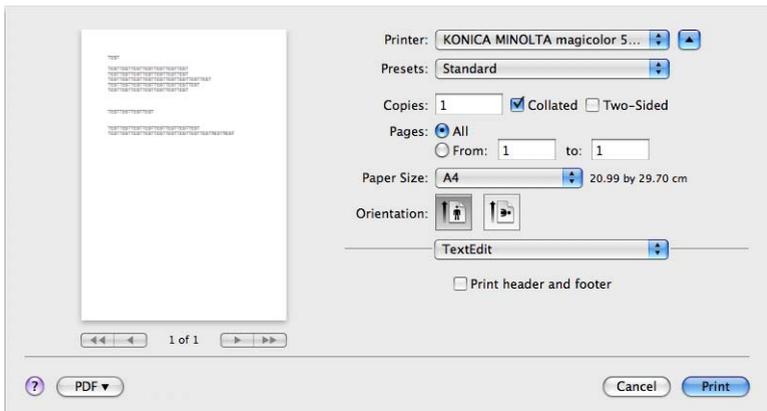
In order to use the collate function, the optional hard disk kit or a CompactFlash card of 1 GB or more must be installed. If a collate function is provided with the application, the setting specified from the application is given priority, and the setting specified in the printer driver is ignored.



In order to use the two-sided function, the optional duplex unit (Duplex Option) must be installed.

- Pages
 - All:** Prints all pages in the document.
 - From, to:** Specifies the range of pages to be printed.
- 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.

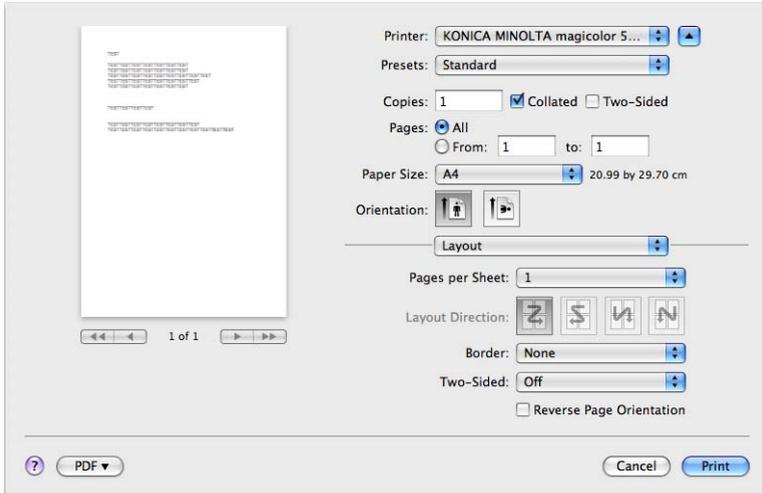
TextEdit



- Print header and footer
 - The file name, page number, date, and time are printed.

Layout

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



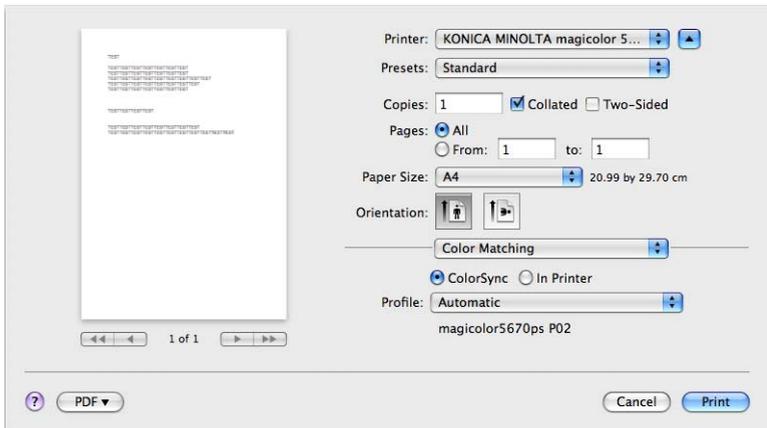
- **Pages per Sheet**
Specifies the number of pages to be printed on one sheet of paper. For example, if **2** is selected, two pages are printed on one sheet of paper.
- **Layout Direction**
If you are printing more than one page per sheet, this specifies the direction and order the pages should be 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-edged binding:** Double-sided printing is performed with the binding along the long edge of the paper.
 - Short-edged 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 **Driver** (p. 66).
The **Long-edged bidding** check box or **Short-edged bidding** check box can be selected even when the **Duplex Unit** is not installed. However, in this case, the print job will be cancelled.

- Reverse Page Orientation
The printing direction is inverted vertically.
- Flip horizontally (OS X 10.6 only)
Select whether or not to print the page flipped horizontally.

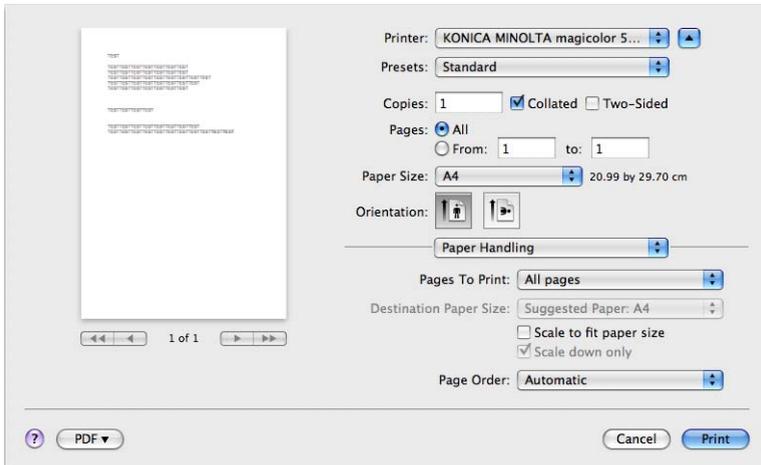
Color Matching



- Color Matching
ColorSync: Allows you to select host-based color matching.
In Printer: Allows you to select printer-based color matching.
- Profile
Allows you to select ColorSync Profile.

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.



■ Pages To Print

All pages: Select this option to print all pages.

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

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

■ Destination 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.

Scale down only: Select this option to reduce the printing size.

■ Page Order

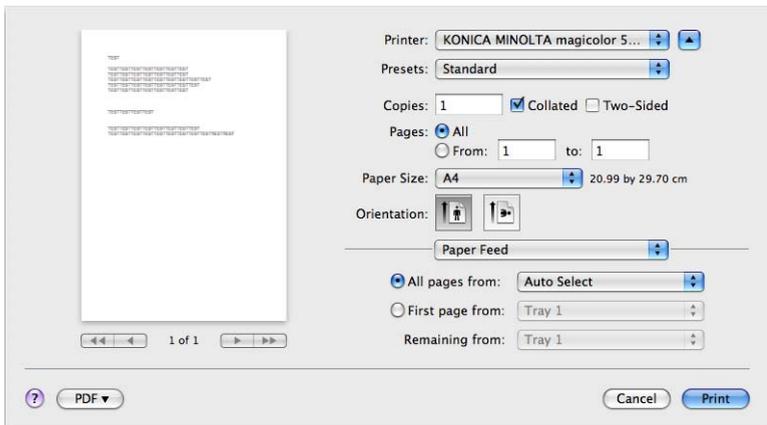
Automatic: Select this option to print in the original page order of the document.

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

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

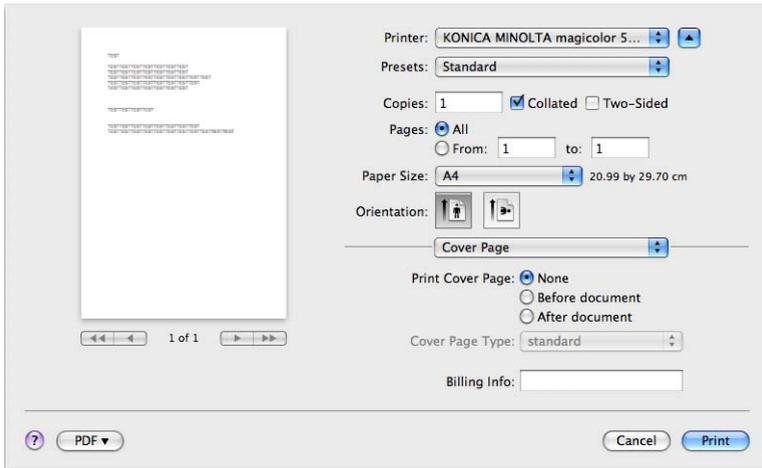
Paper Feed

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 tray is installed, select **Unit 3** or **Unit 3 + 4** under **Driver** (p. 66). If **Unit 3** or **Unit 3 + 4** is not selected, **Tray 3** and **Tray 4** appear in gray and cannot be selected.
-  When the 250 sheet tray is installed, select **MPC** under **Driver** (p. 66). If **MPC** is not selected, **Tray 2 (MPC)** appears in gray and cannot be selected.

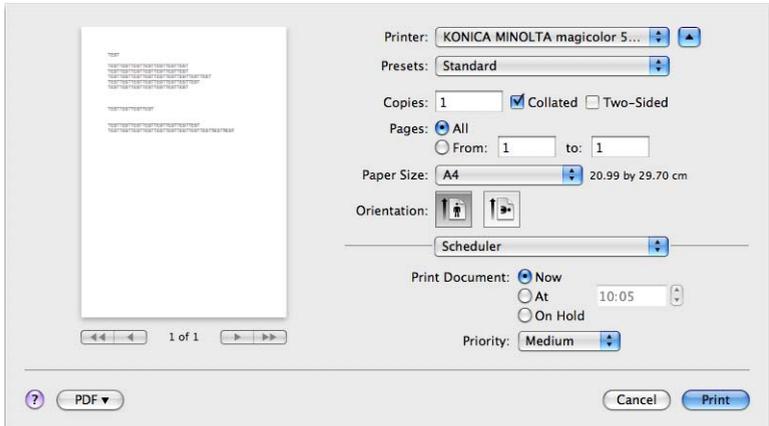
Cover Page



- **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.

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.

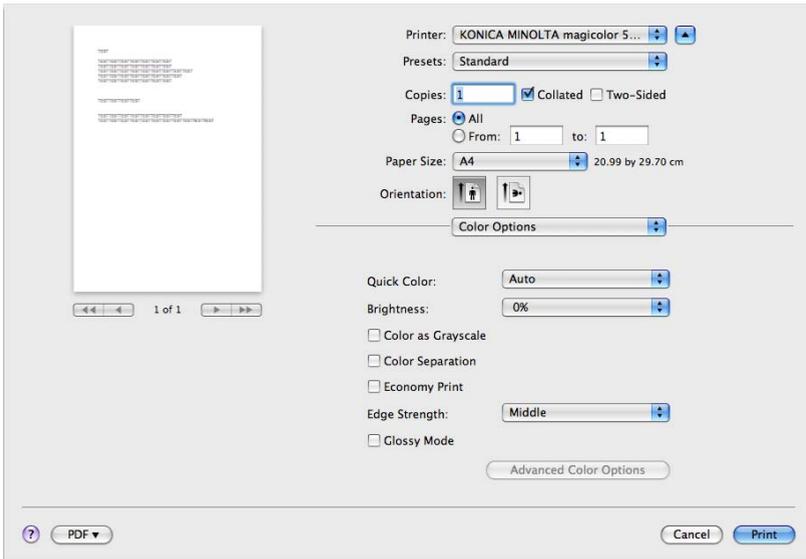
- At:** Specify the time to begin printing.

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

- **Priority**

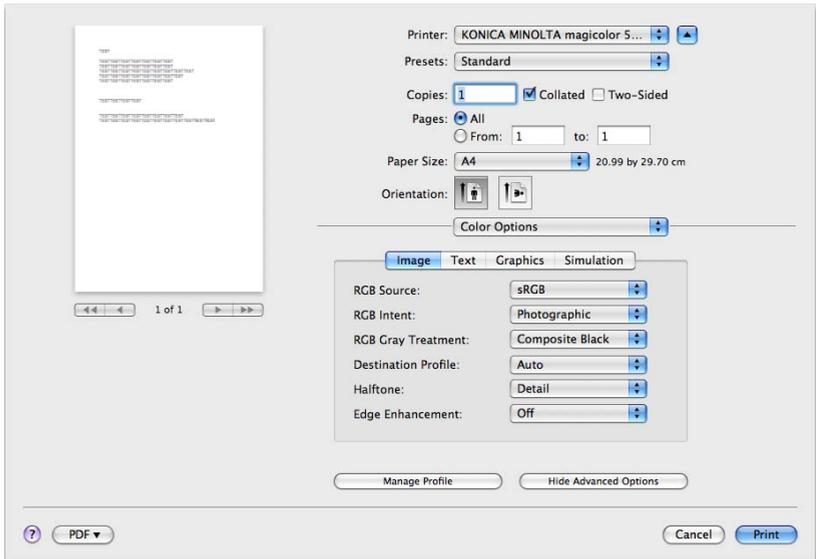
- Select the priority for printing jobs that are being held.

Color Options



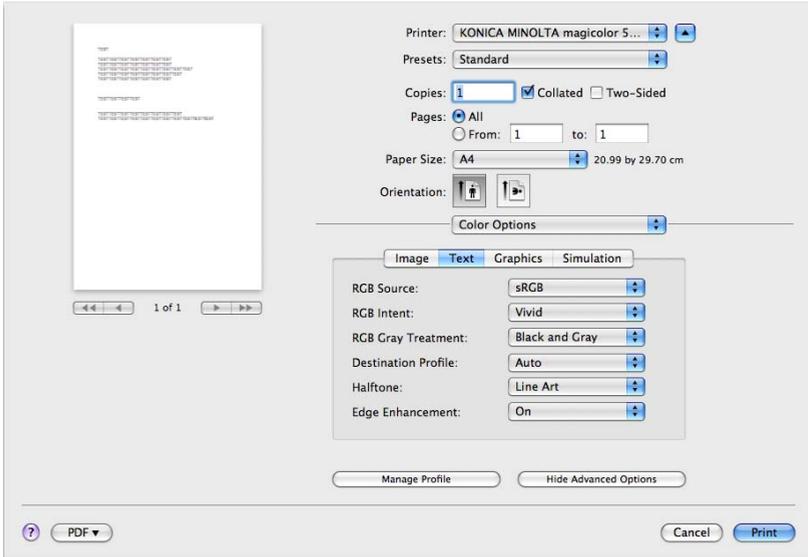
- Quick Color
Allows you to select a color preset.
- Brightness
Allows you to set Brightness.
- Color as Grayscale
Allows you to set Grayscale color.
- Color Separation
Allows you to set Color Separation.
- Economy Print
Allows you to set Economy Print Mode.
- Edge Strength
Allows you to select Edge Strength.
- Glossy Mode
Allows you to set Glossy Mode.
- Advanced Color Options
Click this button to display the **Advanced Color Options** pane.

Advanced Color Options/Image



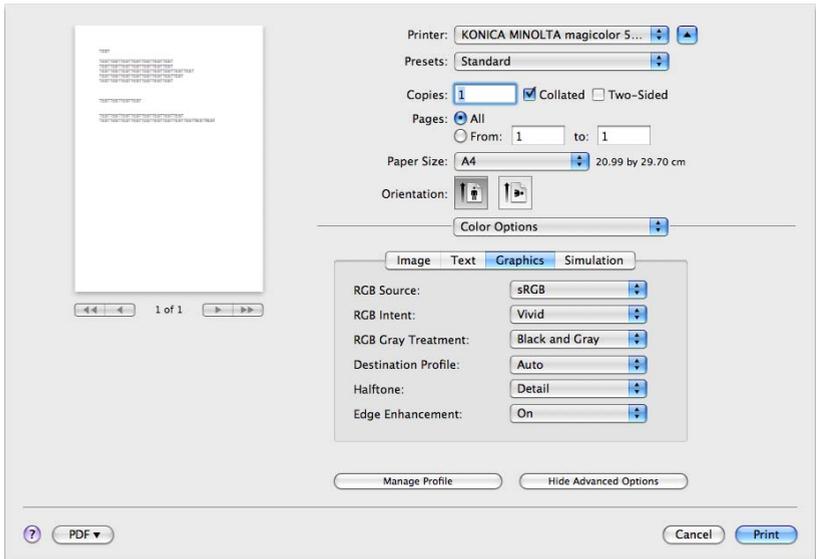
- **RGB Source**
Allows you to select RGB color profiles for images.
- **RGB Intent**
Allows you to select color intent for RGB images.
- **RGB Gray Treatment**
Allows you to select RGB gray treatment for images.
- **Destination Profile**
Allows you to select Destination Profile for images.
- **Halftone**
Allows you to select halftone for images.
- **Edge Enhancement**
Allows you to select Edge Enhancement for images.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.

Advanced Color Options/Text



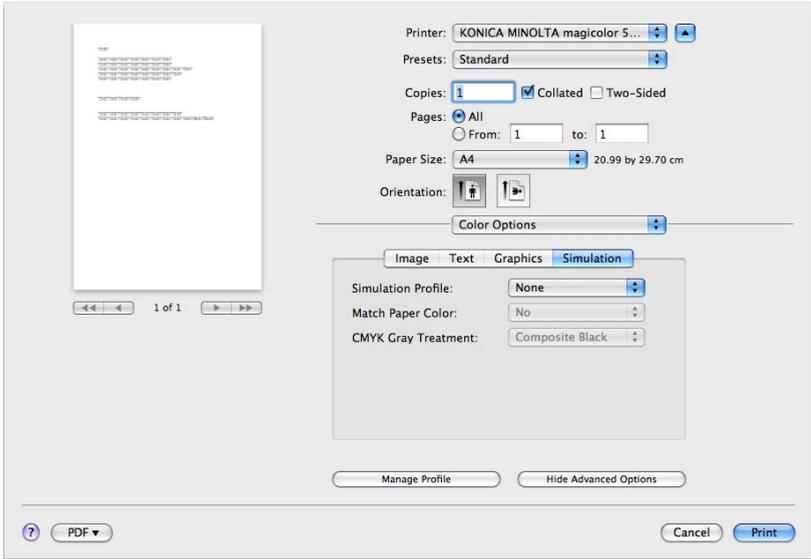
- **RGB Source**
Allows you to select RGB color profiles for text.
- **RGB Intent**
Allows you to select color intent for RGB text.
- **RGB Gray Treatment**
Allows you to select RGB gray treatment for text.
- **Destination Profile**
Allows you to select Destination Profile for text.
- **Halftone**
Allows you to select halftone for text.
- **Edge Enhancement**
Allows you to select Edge Enhancement for text.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.

Advanced Color Options/Graphics



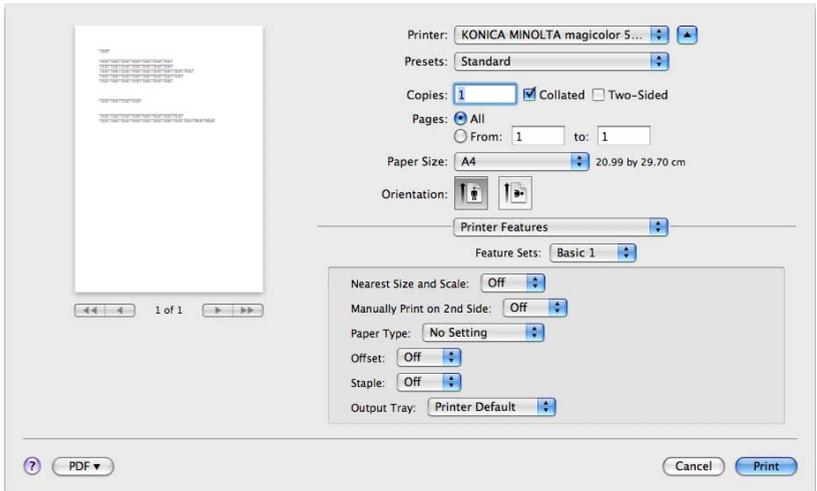
- **RGB Source**
Allows you to select RGB color profiles for graphics.
- **RGB Intent**
Allows you to select color intent for RGB graphics.
- **RGB Gray Treatment**
Allows you to select RGB gray treatment for graphics.
- **Destination Profile**
Allows you to select Destination Profile for graphics.
- **Halftone**
Allows you to select halftone for graphics.
- **Edge Enhancement**
Allows you to select Edge Enhancement for graphics.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.

Advanced Color Options/Simulation



- **Simulation Profiles**
Allows you to select color profiles for simulation.
- **Match Paper Color**
Allows you to set Match Paper Color.
- **CMYK Gray Treatment**
Allows you to select Simulation gray treatment.
- **Hide Advanced Options**
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**
Click this button to display the Color Profile Management dialog box. From this dialog box, color profiles can be added or deleted to those available as settings for **RGB Source**, **Destination Profile** and **Simulation Profile** of the **Advanced Color Options** pane.

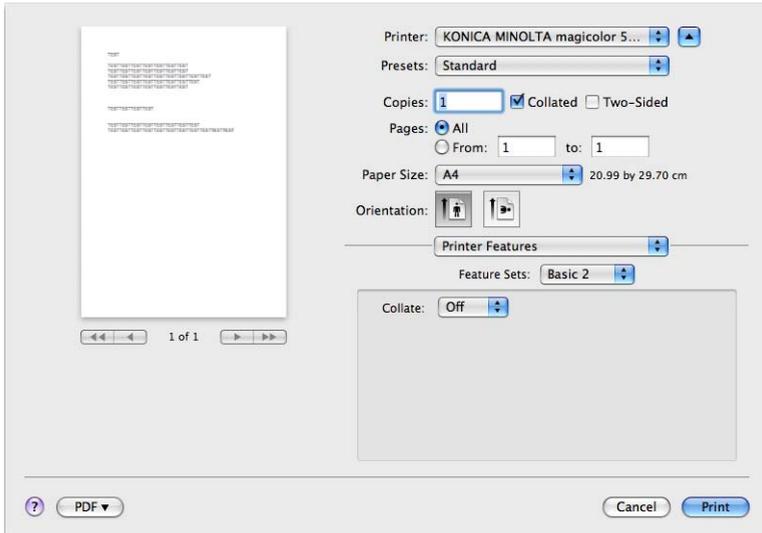
Printer Features



Basic 1

- **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.
- **Staple**
Select whether or not to staple with the staple finisher.
- **Output Tray**
Select the output tray for the staple finisher.

Basic 2



■ Collate

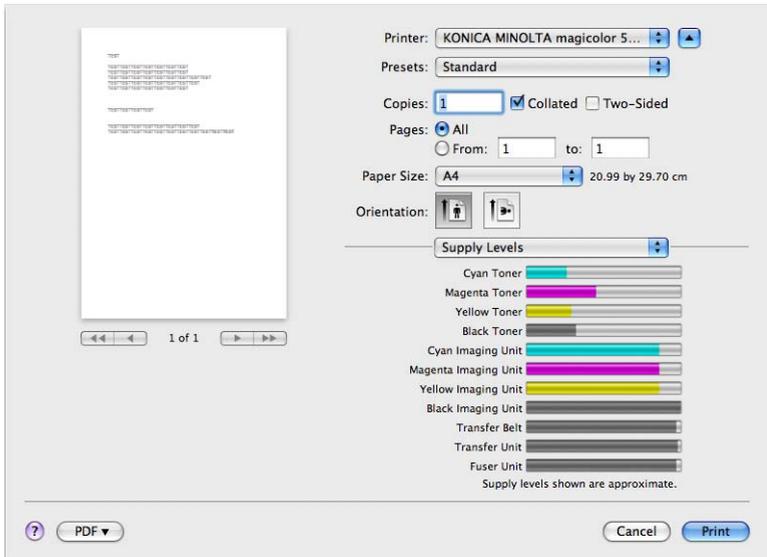
Select whether or not to use the collate function.



*If the staple finisher is installed, refer to “Selecting Print Options” on page 63 to specify settings for the staple finisher. If the settings are not specified, **Offset**, **Staple** and **Output Tray** are not available.*

Supply Levels

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



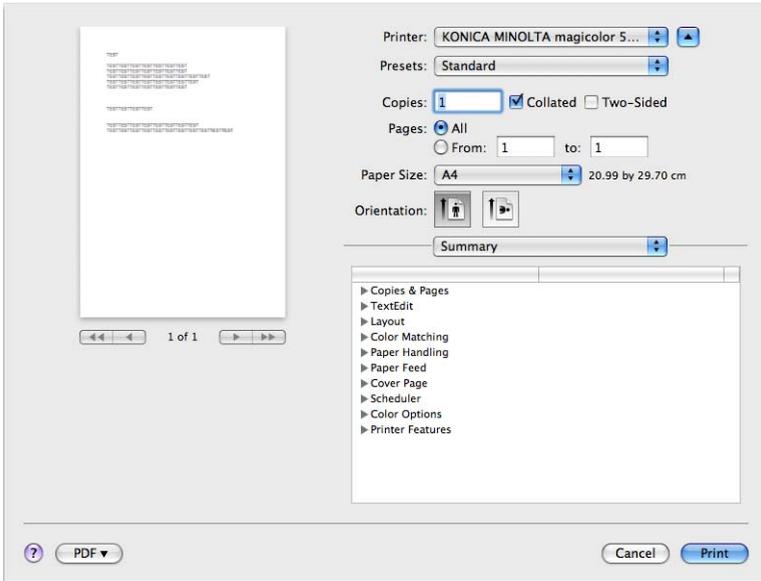
The **Supply Levels** section appears when a printer is created on Mac OS X 10.5/10.6 with a Bonjour, IPP, LPD, Socket connection.



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.



Specifying the Color Profile

Use Download Manager to download any color profile to the hard disk or the CompactFlash card of the machine. By adding color profiles to the printer driver, printing can be performed by specifying any color profile.



The procedure for specifying the color profile on Mac OS X 10.4 is described below.

Preparation

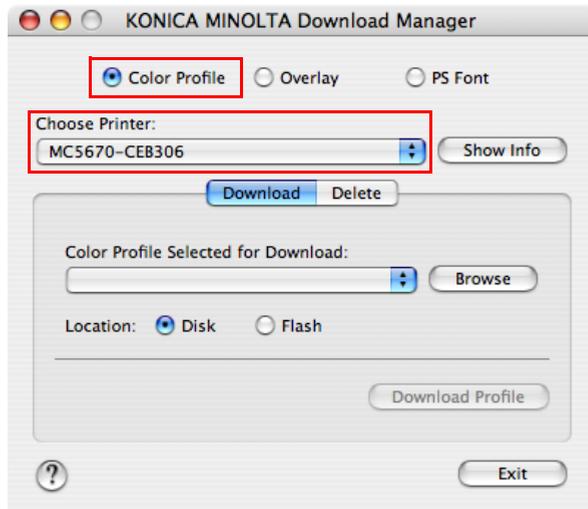
Install the printer driver, and then add the printer. For details on adding the printer, refer to “Printer Setup Utility Settings (Mac OS X 10.4)” on page 36.

Downloading Color Profiles

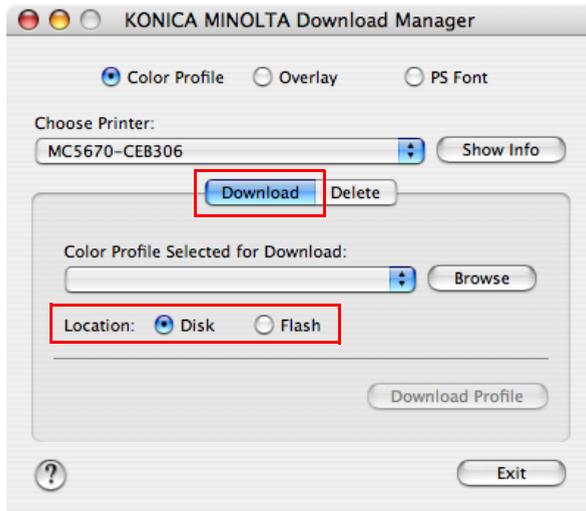


For details on using Download Manager, refer to the Help for Download Manager.

- 1 Start Download Manager.
- 2 In the Download Manager window, select **Color Profile**. Then, from the **Choose Printer** list, select the printer where the color profile is to be saved.



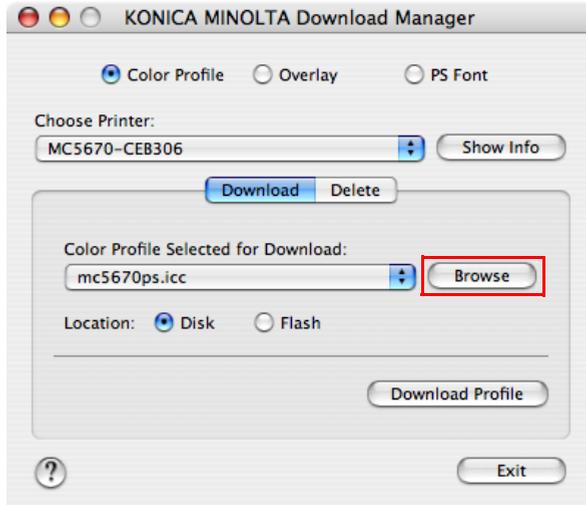
- 3 Click **Download**, and then select Disk or Flash beside **Location**.



- 4 Click **Browse**, and then select the color profile to be downloaded.



File names for color profiles should be in the following format: 8 or less ASCII characters + 3 or less ASCII extension characters.



- 5 Click **Download Profile**.

Downloading of the color profile to the hard disk or the CompactFlash card of the machine.

6 Click **OK**.



7 Click **Exit**.



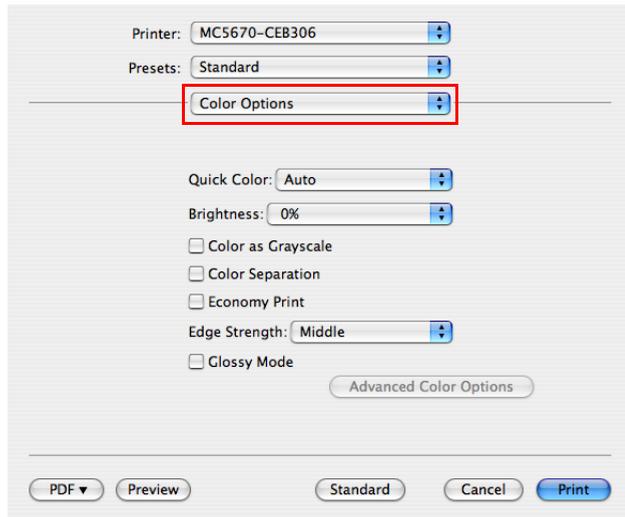
Next, specify the printer driver settings.

Specifying Printer Driver Settings

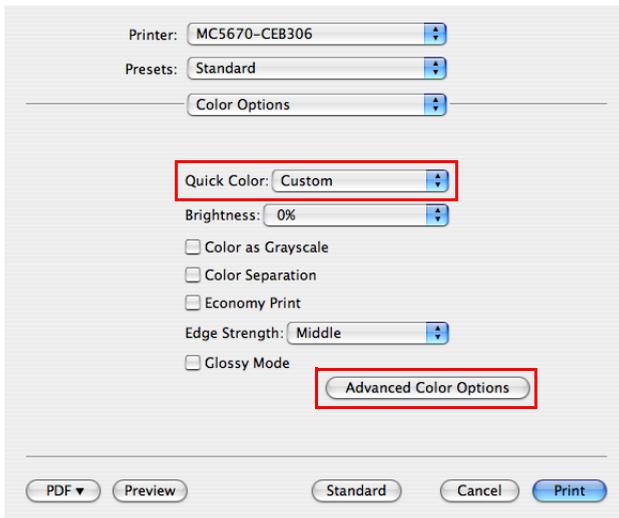
Add the color profile to the printer driver.

1 Display the Print dialog box for the application.

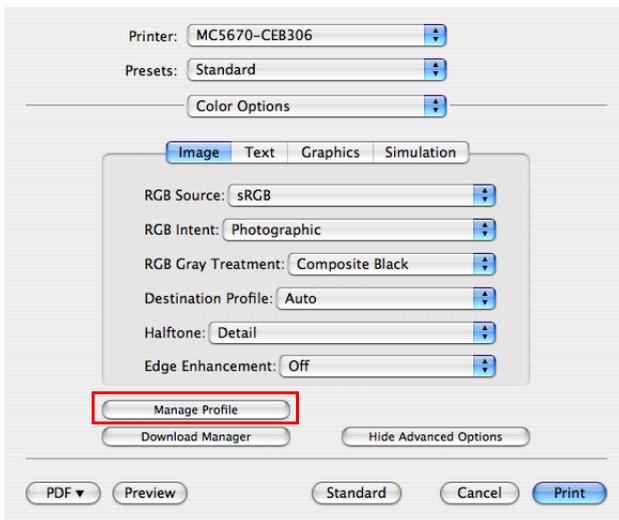
2 Select **Color Options**.



- 3 Select **Custom** beside **Quick Color**, and then click **Advanced Color Options**.

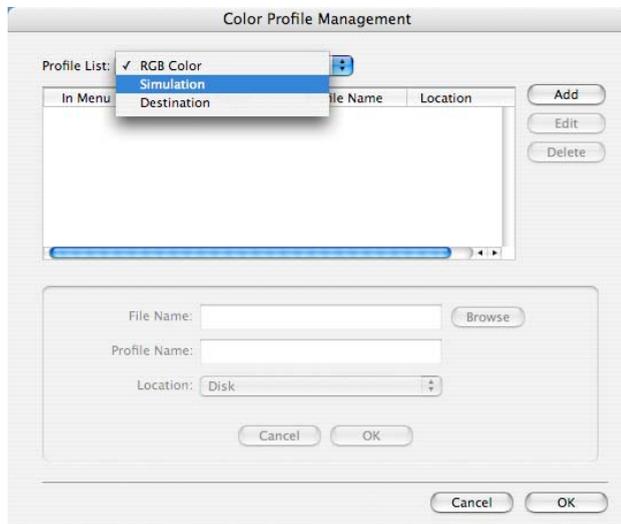


- 4 Click **Manage Profile**.

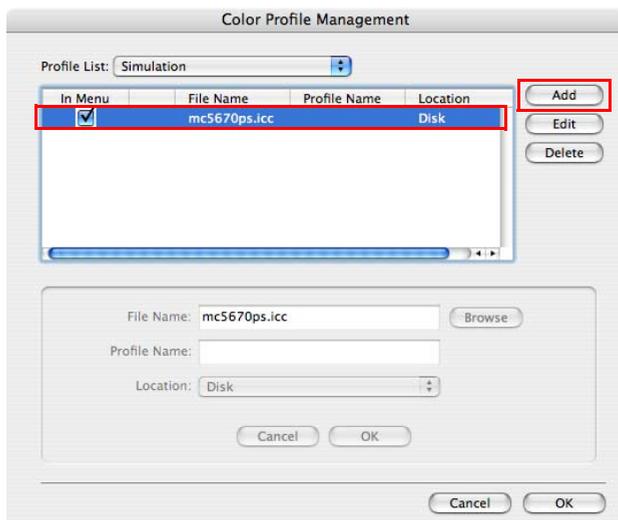


5 From **Profile List**, select the type of profile to use.

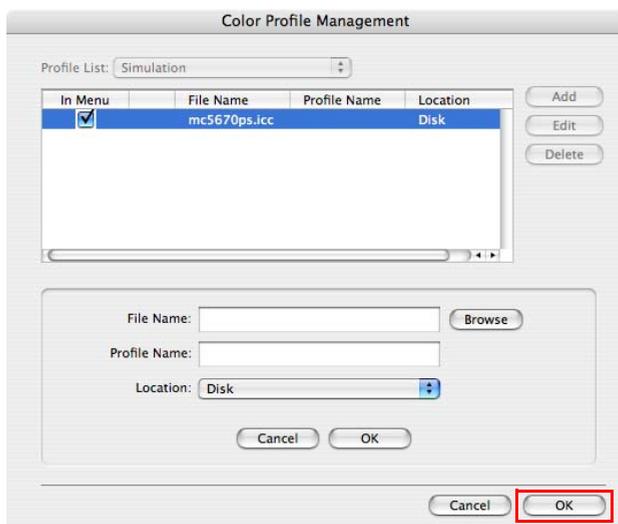
 For an IPP (Internet Printing Protocol), LPD (Line Printer Daemon) or Socket/HP JetDirect (Port 9100) connection, continue with step 8.



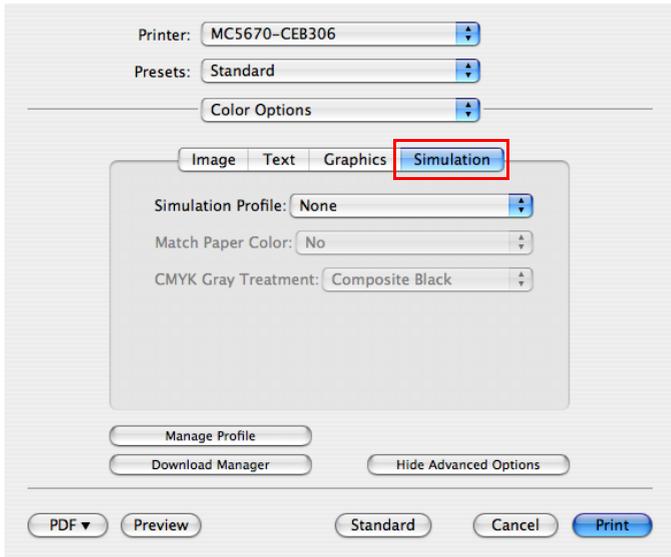
- 6 Select the color profile to use from the list, and then click **Add**.



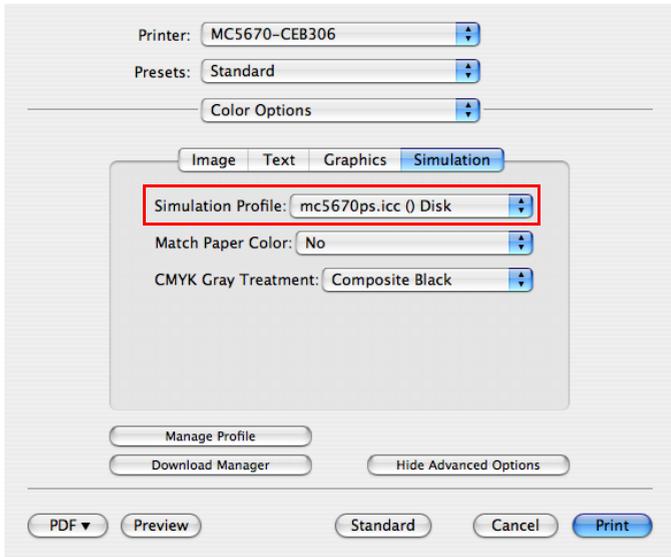
- 7 Click **OK**.



8 Select **Simulation**.



9 Select the added color profile before printing.



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.	If a media type, such as "Transparency," is specified for Tray 1, Tray 2, Tray 3 or Tray 4, a media type error appears and the printer stops. 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.	<ul style="list-style-type: none"> ■ 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. ■ For Mac OS X 10.5/10.6: Select the printer from Print & Fax, and then click Options & Supplies. Click General tab.
The dialog box displays incorrectly after you select another manufacture's printer and then select the magicolor 5670(5650) 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.	<p>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.</p> <p>Legal, Letter Plus, Foolscap, Government Legal, Statement, Folio</p>

Symptom	Solution
The specified name cannot be used for the name of a custom paper size.	<p>Due to the limitations of Mac OS X, the following names cannot be used as custom paper size names. Specify a different name.</p> <ul style="list-style-type: none"> ■ “Custom” ■ General paper size names specified in the PPD files, such as “A4” and “B4”
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.
When using Mac OS X 10.5/10.6, constraint processing is not applied during printing if certain settings have been specified.	This is a limitation of the operating system. Check the Apple database.
When Mac OS X 10.4 is used to send a job with a custom paper size that has a width of 21.6 cm, Letter-size paper is requested.	Change the width of the custom paper size to 21.59 cm, and then try sending the job again.

***Operation on
the XPS Driver
for Windows***

2

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.

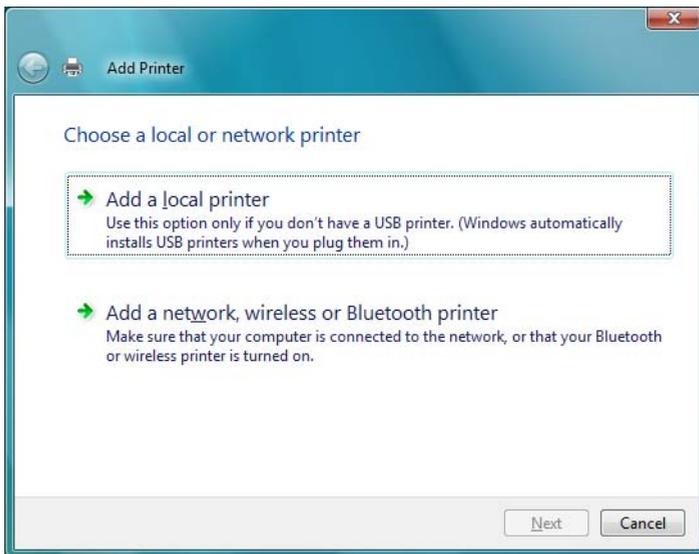


Before proceeding with the installation, be sure to exit all running applications.

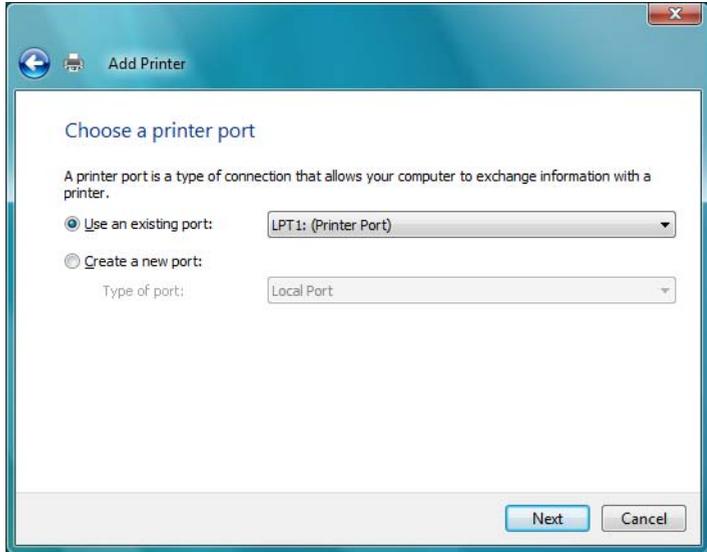


If the User Account Control window appears when installing, click the **Allow** button or the **Continue** button.

- 1 Insert the Printer Driver CD-ROM in the CD-ROM/DVD 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**.



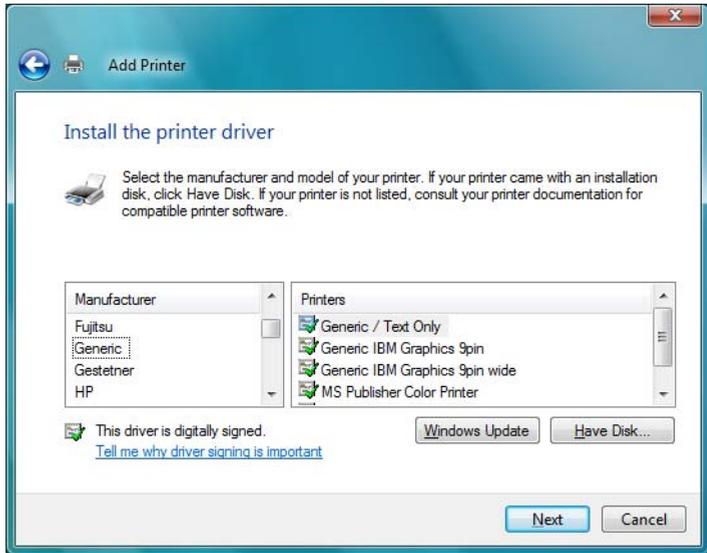
If a network connection was selected, continue with step 7. If a local connection was selected, continue with step 8.

- 7 Select **TCP/IP Device** in the Device type list and type the IP address for the printer in the **Hostname or IP address** text box, and then click **Next**.



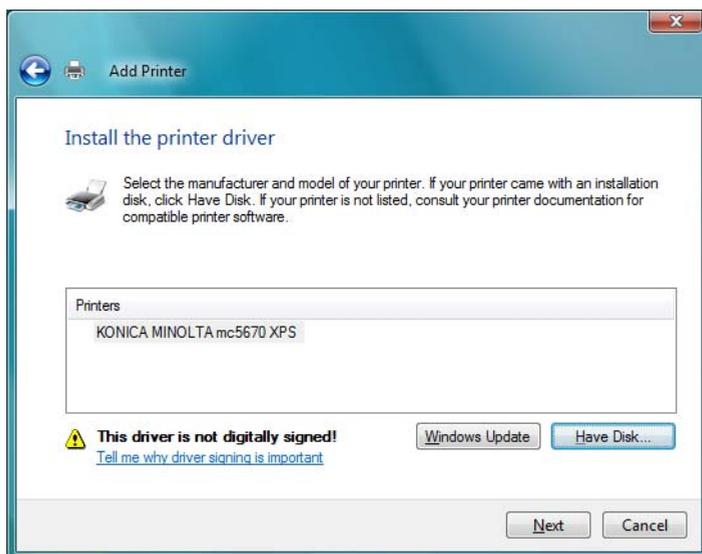
The screenshot shows a Windows 'Add Printer' dialog box. The title bar reads 'Add Printer'. Below the title bar, there is a blue header area with a back arrow icon and a printer icon. The main content area is titled 'Type a printer hostname or IP address'. It contains three input fields: 'Device type' with a dropdown menu showing 'TCP/IP Device', 'Hostname or IP address' with the text '192.168.1.2', and 'Port name' with the text '192.168.1.2'. Below these fields is a checkbox labeled 'Query the printer and automatically select the driver to use', which is checked. At the bottom right of the dialog, there are two buttons: 'Next' and 'Cancel'.

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

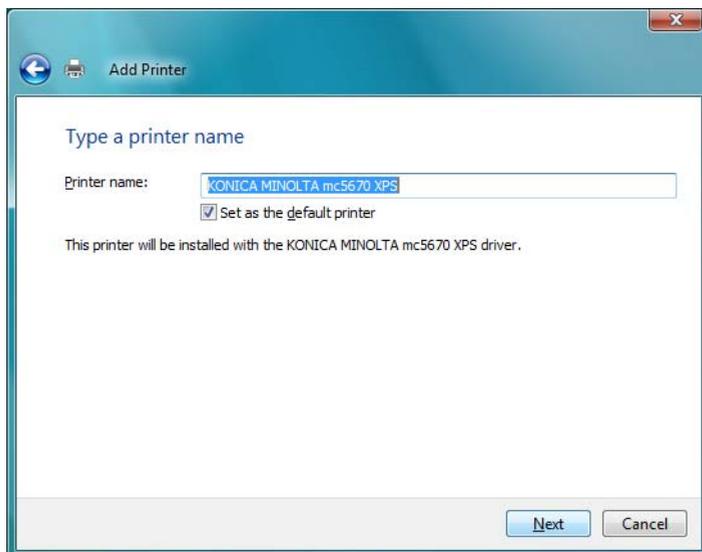


The XPS printer driver is available in the corresponding “Drivers\XPS\<language>” folder on the CD-ROM. Use the appropriate XPS printer driver for the language.

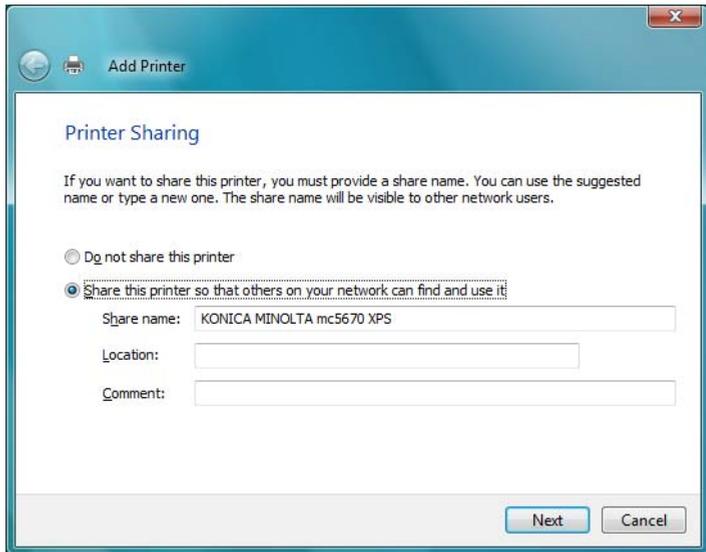
9 Click **Next**.



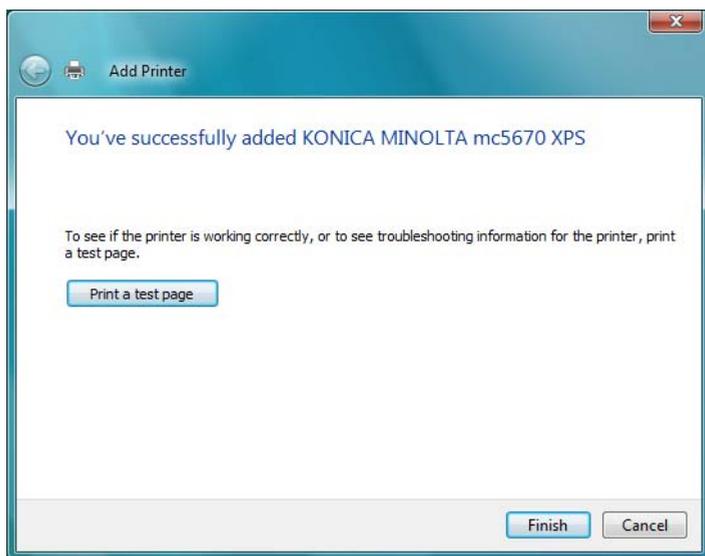
10 Click **Next**.



- 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.

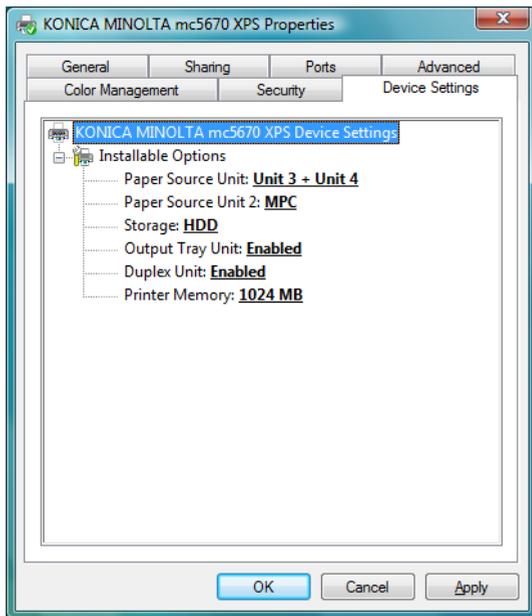
Selecting Print Options/Defaults

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

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

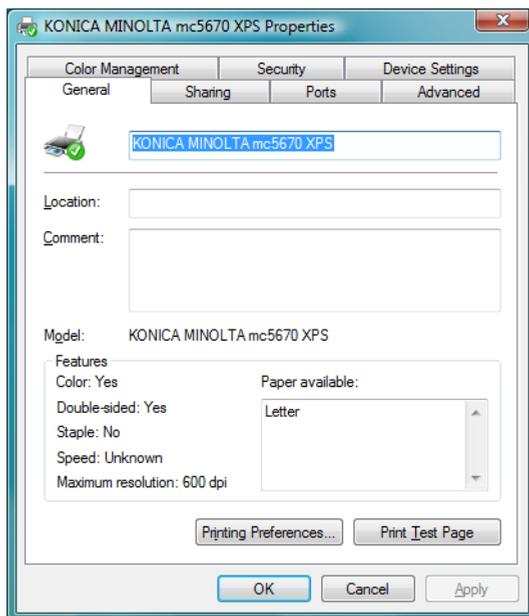
- 1 Click **Start**, click **Control Panel**, and then click **Printers**.
- 2 Right-click the KONICA MINOLTA magicolor 5670(5650) XPS printer icon, and then click **Properties**.
- 3 Select the **Device Settings** tab.
- 4 From the **Installable Options** list, select the appropriate settings in the **Paper Source Unit**, **Paper Source Unit 2**, **Storage**, **Output Tray Unit**, **Duplex Unit** and **Printer Memory** according to your printer setup.

 Select **Standard** if the 500 sheet tray is installed for Paper Source Unit 2. Select **MPC** if the 250 sheet tray is installed for Paper Source Unit 2.



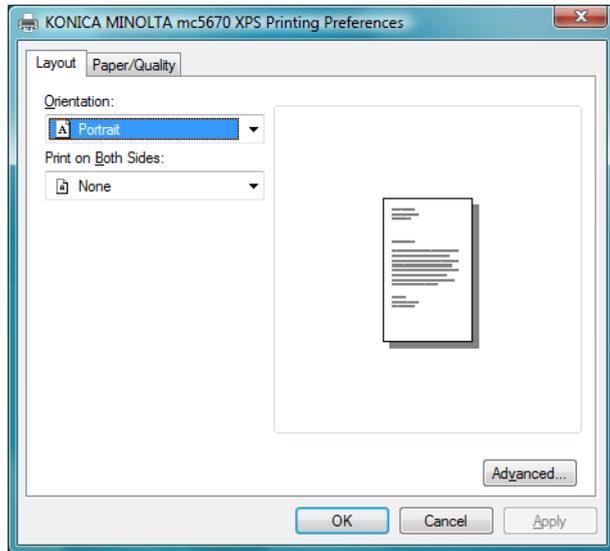
- 5 Click **Apply**.

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



*If the User Account Control window appears when uninstalling, click the **Allow** button or the **Continue** button.*

- 1 Close all applications.
- 2 From the **Start** menu, click **Control Panel**, then **Printers**.
- 3 Right-click the KONICA MINOLTA magicolor 5670(5650) 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 magicolor 5670(5650) 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 magicolor 5670(5650) XPS printer driver will be uninstalled from your computer.

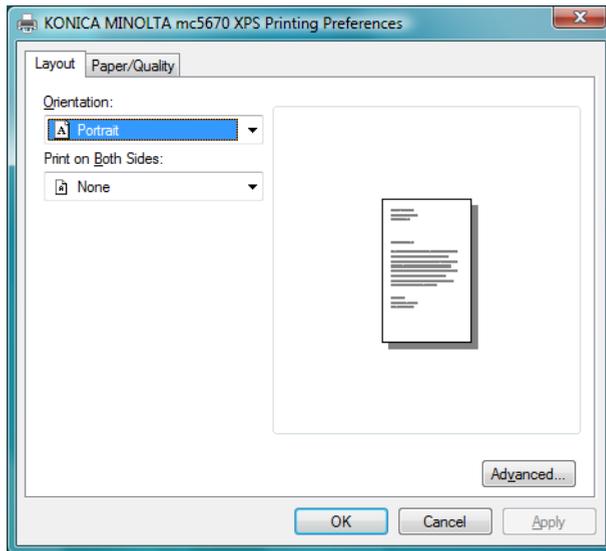
Specifying Printer Driver Settings

- 1 Click **Start**, click **Control Panel**, and then click **Printers**.
- 2 Right-click the KONICA MINOLTA magicolor 5670(5650) XPS printer icon, and then click **Printing Preferences**.

Common buttons

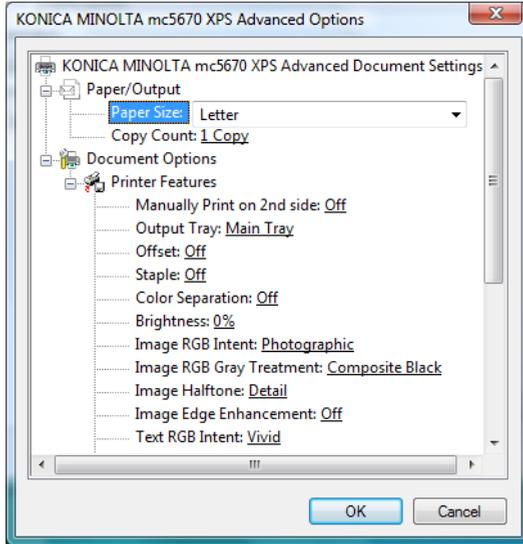
- **OK**
Click to exit the Properties dialog box, saving any changes made.
- **Cancel**
Click to exit the Properties dialog box without saving any changes made.
- **Apply**
Click to save all changes without exiting the Properties dialog box.

Layout



- **Orientation**
Specify the orientation of the media.
- **Print on Both Sides**
Select the desired setting for double-sided printing.
- **Advanced**
Click this button to display the **Advanced Options** pane.

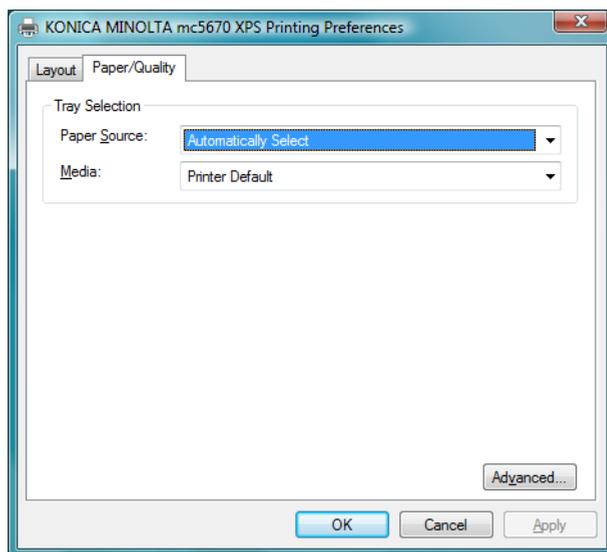
Advanced Options



- Paper Size
Select the output media size.
- Copy Count
Specify the number of copies.
- Manually Print on 2nd side
Print on the back side of paper that has already been printed on.
- Output Tray
Select the output tray for the staple finisher.
- Offset
Turn on/off offset.
- Staple
Select whether or not to staple with staple finisher.
- Color Separation
Perform color separation.
- Brightness
Control the darkness of an image.
- Image/Text/Graphics RGB Intent
Select color intent for RGB images/text/graphics.
- Image/Text/Graphics RGB Gray Treatment
Select RGB gray treatment for images/text/graphics.

- Image/Text/Graphics Halftone
Select halftone for images/text/graphics.
- Image/Text/Graphics Edge Enhancement
Select Edge Enhancement for images/text/graphics.
- Edge Strength
Set the edge strength to Low, Middle or High.
- Glossy Mode
Turn on/off glossy mode.
- Economy Print
Select whether or not economy printing is used.
- Simulation Profile
Specify a related profile.
- Match Paper Color
Turn on/off match paper color.

Paper/Quality



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

*Operation on
Linux*

3

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.

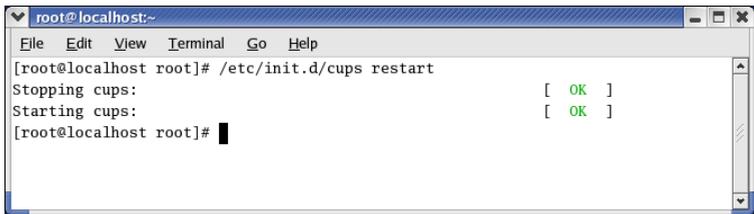
1 Copy the ppd file from the Printer Driver CD-ROM to the “/usr/share/cups/model” on the computer.

 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 M5670(5650)opn.ppd. Otherwise, use M5670(5650)PX.ppd.
For details on the procedure for printing from OpenOffice, refer to “Example Using OpenOffice” on page 147.

2 From the main menu, select **System Tools**, then **Terminal**.

3 Enter the command “/etc/init.d/cups restart”.



```
root@localhost:~  
File Edit View Terminal Go Help  
[root@localhost root]# /etc/init.d/cups restart  
Stopping cups: [ OK ]  
Starting cups: [ OK ]  
[root@localhost root]#
```

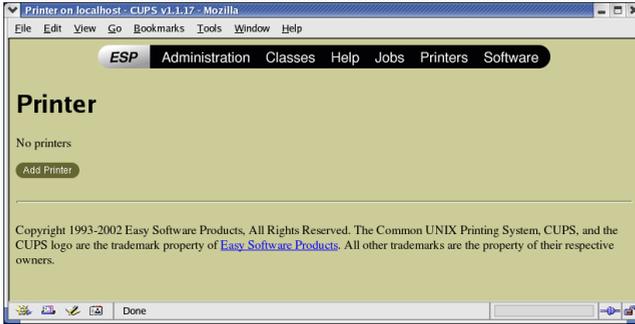
4 Quit Terminal.

Adding the Printer



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

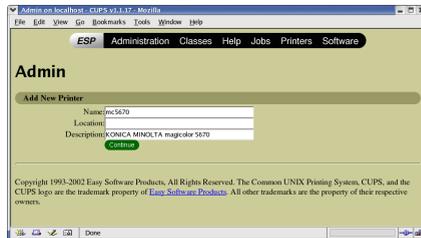
- 1 Start up the Web browser.
- 2 Enter the URL “http://localhost:631”, and then click **Manage Printers**.
The CUPS Administration Web page appears.



- 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 Jet-Direct, 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 URL in the following form: `socket://<Printer IP or Printer Hostname>[:port]`



Example:

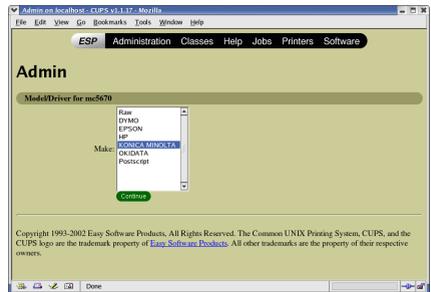
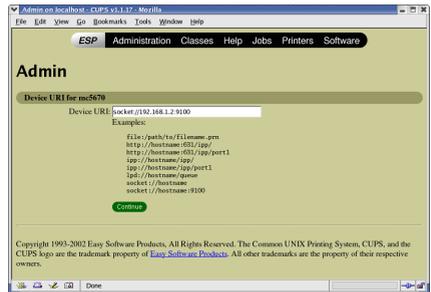
Using Printer IP - socket: /192.168.1.2:9100

Using printer Hostname - socket://Hostname:9100

Hostname may be substituted by IP Address, and Port is an optional.

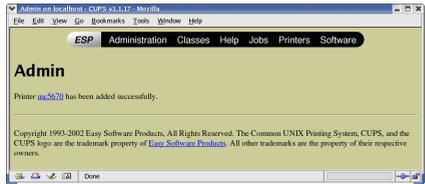
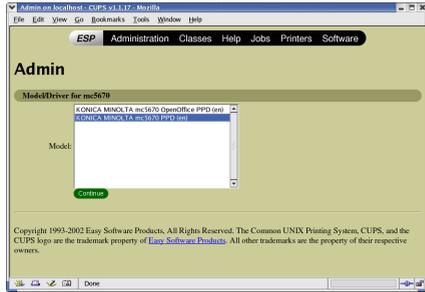
8 Click **Continue**.

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



10 Select **KONICA MINOLTA mc5670(5650) PPD (en)**, and 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://localhost:631”, and then click **Manage Printers**. *Printer on localhost.localdomain 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% .
Color Separation	Specifies the color separation as On or Off . ■ The default setting is Off .
Economy Print	Select whether or not economy printing is used. ■ The default setting is Off .
Edge Strength	Set the edge strength to Off , Low , Middle or High . ■ The default setting is Middle .
Glossy Mode	Select whether or not Glossy Mode 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 staple finisher. ■ The default setting is Main Tray .
Resolution	Displays the image resolution (High Quality) for printing.

Parameters	Settings
Select Color	Specifies the color for printing as Color or Grayscale . <ul style="list-style-type: none"> ■ The default setting is Color.
Staple	Select whether or not to staple with the staple finisher. <ul style="list-style-type: none"> ■ The default setting is Off.

General

Parameters	Settings
Collate	If On is selected, all pages in the documents are printed as sets of printouts. <ul style="list-style-type: none"> ■ The default setting is Off.
Duplex Options	Specifies the duplex print binding position as Simplex , Long Edge , or Short Edge . <ul style="list-style-type: none"> ■ 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 , Tray 1 (Manual Feed) , or Auto . <ul style="list-style-type: none"> ■ The default setting is Tray 1.
Paper Type	Specifies the paper type as Printer Default , Plain Paper , Recycled , Transparency , Glossy 1 (100-128 g/m²) , Glossy 2 (129-158 g/m²) , Label , Thick 1 (91 - 150g/m²) , Thick 2 (151 - 210g/m²) , Letterhead , Envelope , or Postcard . <ul style="list-style-type: none"> ■ The default setting is Printer Default.

Graphics Options

Parameters	Settings
Graphics Edge Enhancement	Select whether graphic edges are emphasized. ■ The default setting is On .
Graphics Halftone	Specifies the halftone for graphic as Line Art, Detail or Smooth . ■ The default setting is Detail .
Graphics RGB Gray Treatment	Specifies the RGB Gray Treatment as Composite Black, Black and Gray , or Black Only . ■ The default setting is Black and Gray .
Graphics RGB Intent	Specifies RGB intent for graphic as Vivid, Photographic, Relative Color , or Absolute Color . ■ The default setting is Vivid .
Graphics RGB Source	Specifies RGB source for graphic as None, sRGB, Adobe RGB (1998), Apple RGB, ColorMatch RGB , or Blue Adjust RGB . ■ The default setting is sRGB .

Image Options

Parameters	Settings
Image Edge Enhancement	Select whether image edges are emphasized. ■ The default setting is Off .
Image Halftone	Specifies the halftone for image as Line Art, Detail , or Smooth . ■ The default setting is Detail .
Image RGB Gray Treatment	Specifies the RGB Gray Treatment as Composite Black, Black and Gray , or Black Only . ■ The default setting is Composite Black .

Parameters	Settings
Image RGB Intent	Specifies RGB intent for image as Vivid , Photographic , Relative Color , or Absolute Color . <ul style="list-style-type: none"> ■ The default setting is Photographic.
Image RGB Source	Specifies RGB source for image as None , sRGB , Adobe RGB (1998) , Apple RGB , ColorMatch RGB , or Blue Adjust RGB . <ul style="list-style-type: none"> ■ The default setting is sRGB.

Options Installed

Parameters	Settings
Duplex Unit	Select Enable if the optional duplexing unit for the printer has been installed. <ul style="list-style-type: none"> ■ The default setting is Disable.
Output Tray Unit	Select Enabled if the output tray unit (staple finisher) is installed. Select Disabled if it is not installed. <ul style="list-style-type: none"> ■ 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. <ul style="list-style-type: none"> ■ The default setting is Disable.
Paper Source Unit 2	Select MPC if 250 sheet tray is installed. Select Standard if 500 sheet tray is installed. <ul style="list-style-type: none"> ■ The default setting is Standard.
Printer Memory	Select 256 MB , 512 MB , 768 MB , or 1024 MB if the optional memory for the printer has been installed. <ul style="list-style-type: none"> ■ The default setting is 256 MB.
Storage	Select None , CF (1GB Under) , CF (1GB Over) , HDD , HDD + CF (1GB Under) or HDD + CF (1GB Over) for the storage unit that is installed. <ul style="list-style-type: none"> ■ The default setting is None.

Simulation

Parameters	Settings
CMYK Gray Treatment	Specifies simulation gray treatment as Composite Black , Black and Gray , or Black Only . ■ The default setting is Composite Black .
Match Paper Color	Specifies the Match Paper Color. ■ The default setting is Off .
Simulation Profile	Specifies the simulation profile as None , SWOP , Euroscale , Commercial Press , DIC , or TOYO . ■ The default setting is None .

Text Options

Parameters	Settings
Text Edge Enhancement	Select whether text edges are emphasized. ■ The default setting is On .
Text Halftone	Specifies the halftone for text as Line Art , Detail , or Smooth . ■ The default setting is Line Art .
Text RGB Gray Treatment	Specifies the RGB Gray Treatment as Composite Black , Black and Gray , or Black Only . ■ The default setting is Black and Gray .
Text RGB Intent	Specifies RGB intent for text as Vivid , Photographic , Relative Color , or Absolute Color . ■ The default setting is Vivid .
Text RGB Source	Specifies RGB source for text as None , sRGB , Adobe RGB (1998) , Apple RGB , ColorMatch RGB , or Blue Adjust RGB . ■ The default setting is sRGB .

Banners

Parameters	Settings
Starting Banner	Specifies the starting banner as none , classified , confidential , secret , standard , topsecret , or unclassified . <ul style="list-style-type: none">■ The default setting is none.
Ending Banner	Specifies the ending banner as none , classified , confidential , secret , standard , topsecret , or unclassified . <ul style="list-style-type: none">■ The default setting is none.

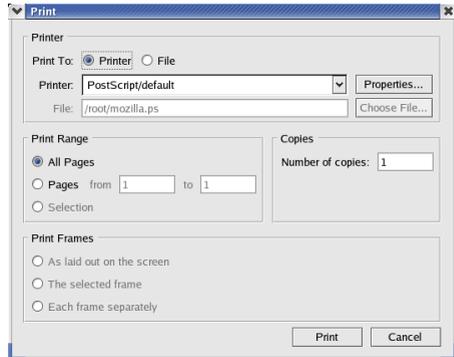
Printing a Document

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

Example Using LPR Command

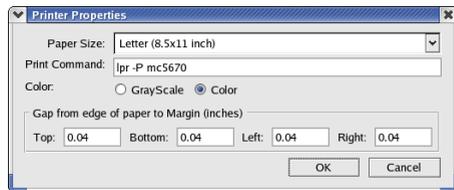
With applications other than OpenOffice, the following print dialog box appears.

- 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

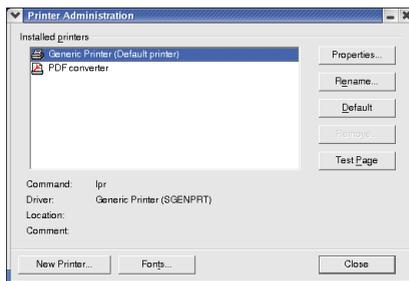


The procedure for printing on Red Hat 9 with OpenOffice 1.0.2 is described below. The following procedure or some steps may be different depending on the version of the operating system being used.



First, use `M5670(5650)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 135.

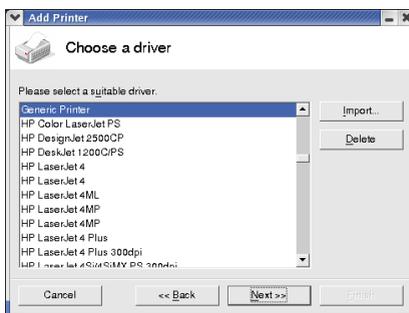
- 1 From the main menu, select **Office**, then **OpenOffice.org Printer Setup**. The printer Administration dialog box appears.



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

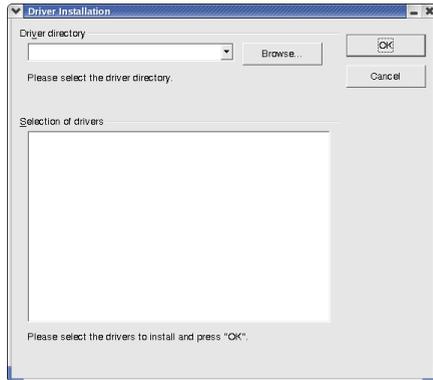


- 3 Check that **Add a printer** is selected, and then click **Next**. The printer selection list appears.

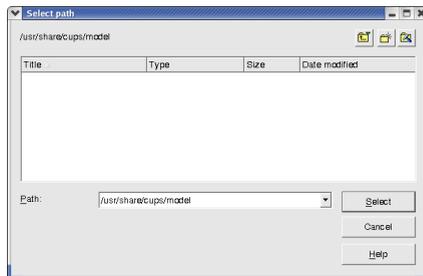


- 4 Click **Import**.
- 5 Click **Browse**.

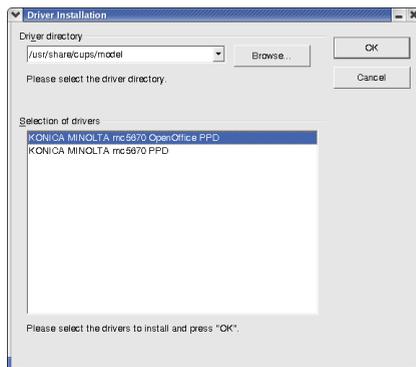
Driver Installation dialog box appears.



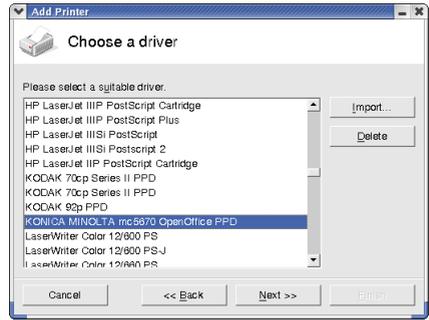
- 6 In the Path, enter `"/usr/share/cups/model"`.



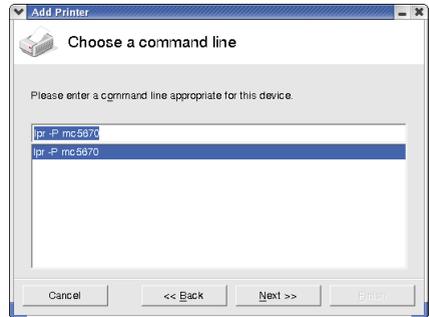
- 7 In the Selection of drivers list, select **KONICA MINOLTA mc5670(5650) OpenOffice PPD**, and then click **OK**.



- 8 In the Please select a suitable driver list, select **KONICA MINOLTA mc5670(5650) OpenOffice PPD**, and then click **Next**.



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

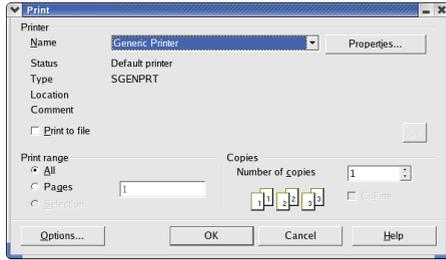


- 10 Change the printer name.

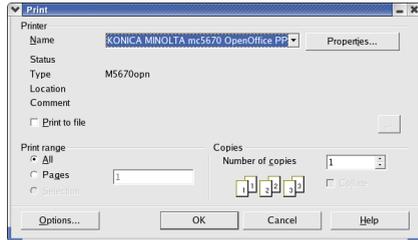


- 11 Click **Finish**. The Printer Administration dialog box appears again.
12 Click **Close**.
13 From the main menu, select **Office**, then **OpenOffice.org Writer**.

- 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.

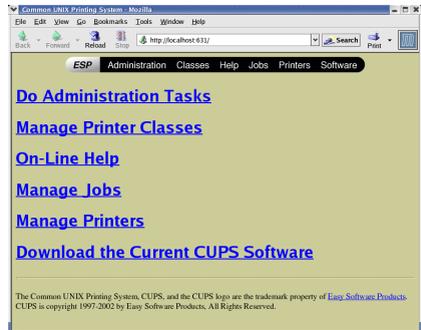


- 16 Click **ok**.
The kprinter Print dialog box appears.

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://localhost: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. <code>lpr -P [printer_name] -o media=Custom. [WIDTHxLENGTH] [file_name]</code> <ol style="list-style-type: none">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. <ul style="list-style-type: none">■ 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.

*Operation on
NetWare*

4

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

The screenshot shows a Microsoft Internet Explorer browser window displaying the PageScope Web Connection administrator interface. The address bar shows 'http://192.168.1.2/a_index.html'. The page has a navigation bar with tabs for 'System', 'Job', 'Print', and 'Network'. The 'Network' tab is selected. On the left, a sidebar contains a tree view with categories like TCP/IP, Bonjour, WSD, NetWare, NetWare Status, IPP, FTP, SNMP, AppleTalk, Email, SSL/TLS, and Authentication. The 'NetWare' category is expanded. The main content area is divided into sections: 'NetWare' (with 'NetWare Print' set to 'Enable', 'Frame Type' set to 'Auto', and 'Mode' set to 'NPrinter/RPrinter'), 'PServer' (with 'Print Server Name' set to 'MC5670-C753BF'), and 'NPrinter/RPrinter' (with 'Printer Name' set to 'MC5670-C753BF' and 'Printer Number' set to '255'). 'Apply' and 'Clear' buttons are at the bottom right.

- 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: MC5670-XXXXX or MC5650-XXXXX)
 - 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.

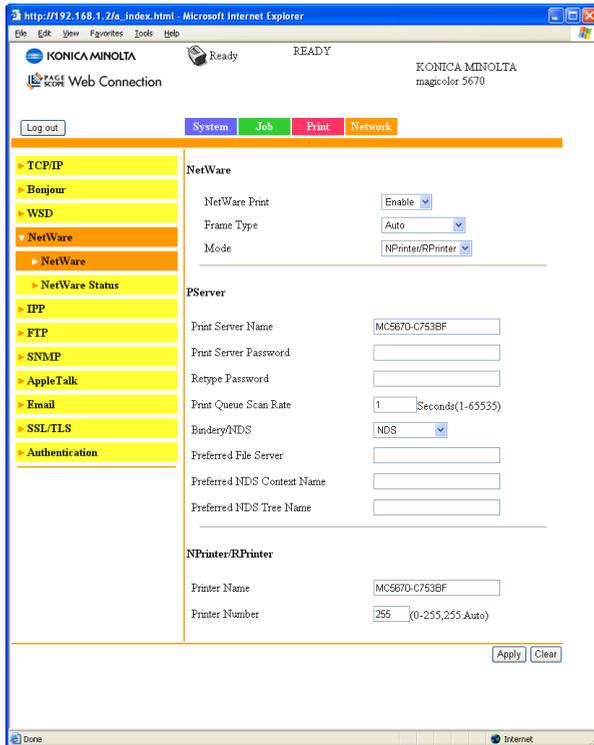
For NetWare 4.x Remote Printer Mode (NDS)

- 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: MC5670-XXXXX or MC5650-XXXXX)
- 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.

The screenshot shows the PageScope Web Connection interface in Administrator mode. The 'Network' tab is selected, and the 'NetWare' section is expanded. The 'NetWare Print' section has 'Enable' selected. The 'PServer' section has 'Print Server Name' set to 'MC5670-C753BF', 'Print Server Password' and 'Retype Password' set to '****', 'Print Queue Scan Rate' set to '1' seconds, 'Bindery/NDS' set to 'NDS', 'Preferred File Server' set to 'context', 'Preferred NDS Context Name' set to 'context', and 'Preferred NDS Tree Name' set to 'tree'. The 'NPrinter/RPrinter' section has 'Printer Name' set to 'MC5670-C753BF' and 'Printer Number' set to '255 (0-255,255:Auto)'. The 'Apply' button is highlighted.

- 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 **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** sub-menu.
- 4 In the **NDPS Printer Name** box, enter the printer name.
- 5 In the **Printer Agent Source** column, select **Create a New Printer Agent**, and then click the **Create** button.
- 6 Check the printer agent name, and then in the **NDPS Manager Name** box, browse through the NDPS manager names, and register one.

- 7 In 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/Server 2008, click the [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**.
For Windows 7/Server 2008 R2, click the **Start** button, select **Control Panel**, and then click **Hardware and Sound** to select **Devices and Printers**.



*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/7/Server 2008/Server 2008 R2, 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.

Printer Utilities

5

Installing Printer Utilities on Windows



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



*If the User Account Control window appears when installing on Windows Vista, click the **Allow** button or the **Continue** button.*



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-ROM/DVD drive.



*If Windows Vista is being used, click **Run Autorun.exe** in the AutoPlay dialog box that appears when the CD-ROM is inserted.*



*If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD-ROM.*

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 on-screen instructions to complete the installation.

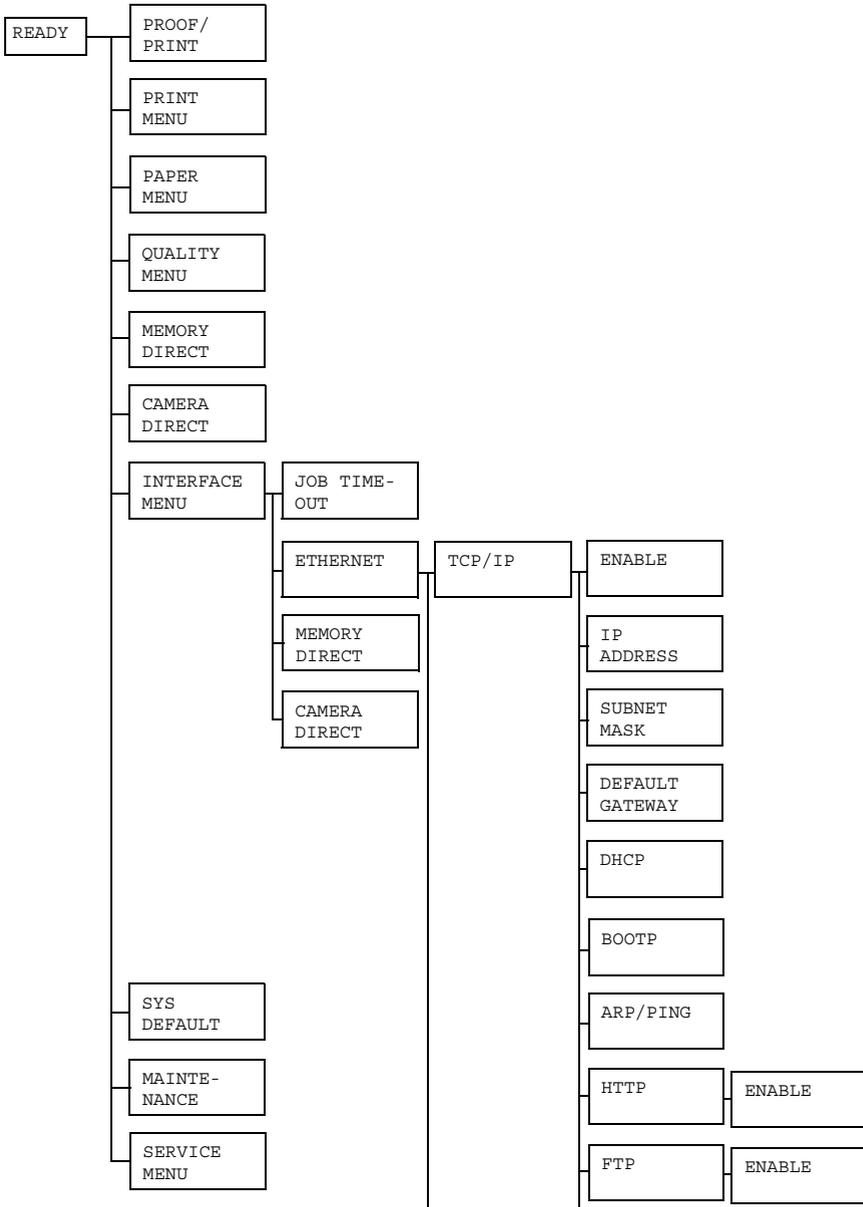
6 After the installation is completed, remove the Utilities & Documentation CD-ROM from your CD-ROM/DVD drive and store it in a safe place.

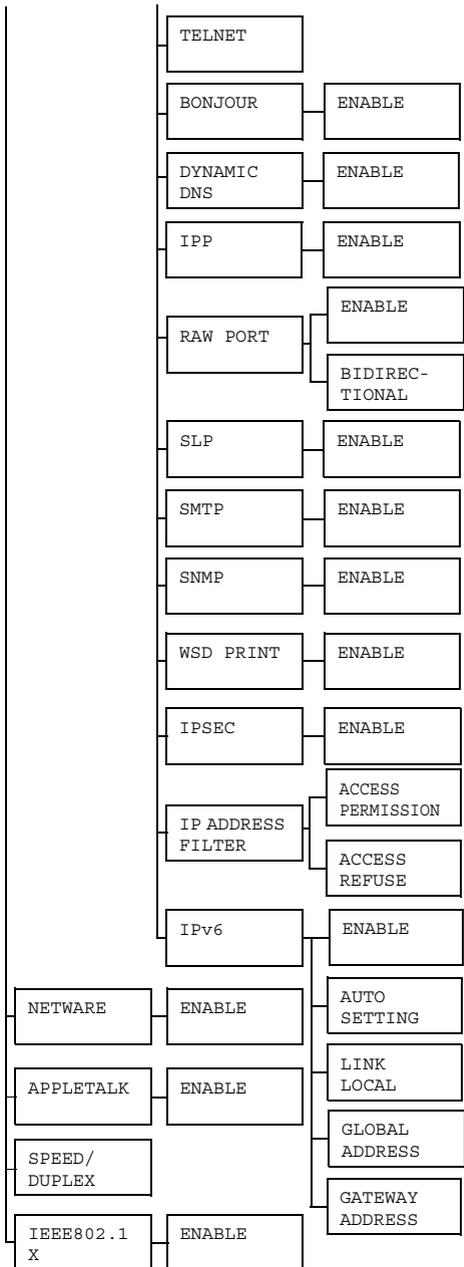
***Understanding
the Ethernet
Configuration
Menus***

6

Ethernet Menu

Location within the Configuration Menu





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



Restart the printer if any of the following Ethernet settings are changed.

- TCP/IP - ENABLE
- DHCP (Only when changed from OFF to ON)
- BOOTP (Only when changed from OFF to ON)
- ARP/PING (Only when changed from OFF to ON)
- IPP - ENABLE
- SLP - ENABLE
- SNMP - ENABLE
- IPv6 - ENABLE
- IPv6 - AUTO SETTING (Only when changed from NO to 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 first.

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	000.000.000.000

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. If YES is selected, HTTP is enabled. If NO is selected, HTTP is disabled.
Options	YES NO
Default	YES

FTP – ENABLE

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

DYNAMIC DNS – ENABLE

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

IPP – ENABLE

Purpose	Select whether or not to enable IPP. If YES is selected, IPP is enabled. If 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

RAW PORT – 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 are enabled. When DISABLE is selected, Access Permission transmissions are disabled.
Options	ENABLE DISABLE
Default	DISABLE

IP ADDRESS FILTER – ACCESS REFUSE

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

IPv6 – AUTO SETTING

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

IPv6 – LINK LOCAL

Purpose	Displays the link-local address of IPv6.
----------------	--

IPv6 – GLOBAL ADDRESS

Purpose	Displays the global address of IPv6.
----------------	--------------------------------------

IPv6 – GATEWAY ADDRESS

Purpose	Displays the gateway address of IPv6.
----------------	---------------------------------------

NETWARE

ENABLE

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

APPLETALK

ENABLE

Purpose	Select whether or not to enable 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

Network Printing

7

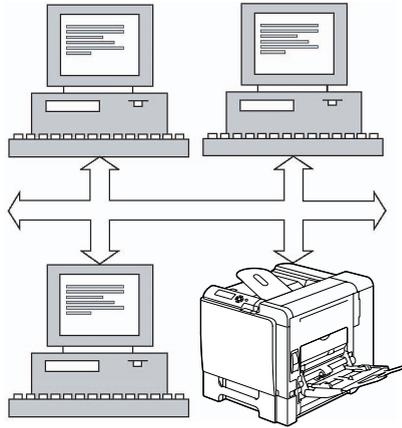
Network Connection

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 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 187 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 Address Manually

You may also manually change the printer's IP address, subnet mask, and gateway by using the following instructions. (See chapter 6, "Understanding the Ethernet Configuration Menus," for more information.)



When manually setting the IP address, turn off DHCP, BOOTP and 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 want to set the subnet mask or gateway, go to step 5.

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

If you want to set the subnet mask, follow these steps.

Press this key . . .	(until) the message window displays . . .
▽	SUBNET MASK
* Menu Select ↵	SUBNET MASK 000.000.000.000

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 want to set the gateway, go to step 5.

If you want to 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 10.4.

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 192.

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/7/Server 2008/Server 2008 R2 allows printing using Web service for communication.

Printing via IPP (Internet Printing Protocol)



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



*If the User Account Control window appears when installing on Windows Vista/7/Server 2008/Server 2008 R2, click the **Continue** button or the **Yes** button.*



For IPP printing, specify the network setting. Refer to “Making the Connection” on page 181 and “IPP” on page 189.

With Windows Server 2008/Server 2008 R2

When using Windows Server 2008/Server 2008 R2, settings must be specified in the operating system before the printer driver is installed.

- 1 Click the **Start** button.
- 2 Point to **Administrative Tools**, and then click **Server Manager**.



*If the User Account Control dialog box appears, click the **Continue** button or the **Yes** button.*

- 3 In the Server Manager main window, click **Add Features** in the Features Summary section.
- 4 Select the **Internet Printing Client** check box to install the feature.
- 5 Restart the computer.

Adding an IPP Port using the Printer Driver CD-ROM

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



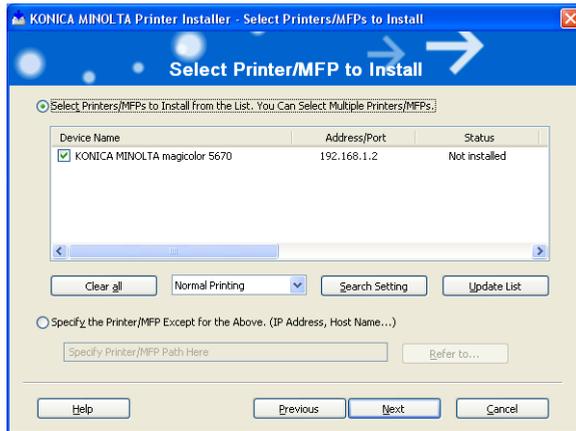
*If Windows Vista/7/Server 2008/Server 2008 R2 is being used, click **Run Autorun.exe** in the AutoPlay dialog box that appears when the CD-ROM is inserted.*



*If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD-ROM.*

- 2 Click **Printer Install**.
- 3 Click **AGREE**.
- 4 Click **Next**.
- 5 Select **Install printers/MFPs**, and then click **Next**.

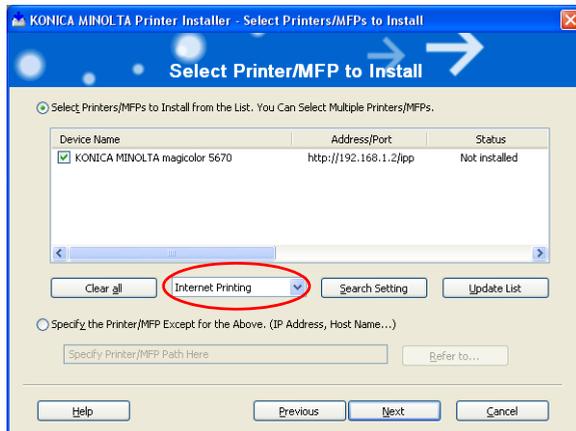
6 The connected printers are detected. Select this printer.



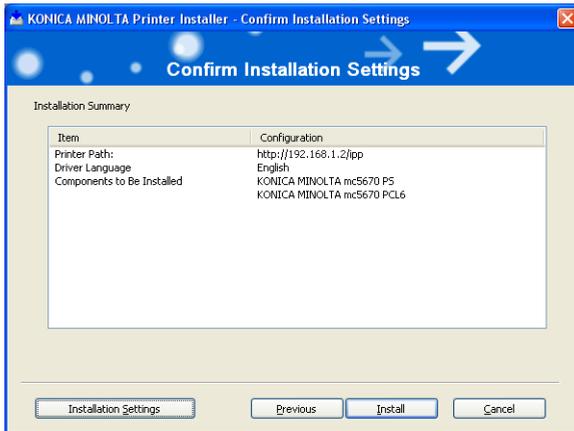
■ [Search Setting]: To search for printers on other networks, click this button.

■ [Update List]: To update the printer information, click this button.

7 Select **Internet Printing** as the printing method from the pull-down list, and then click **Next**.

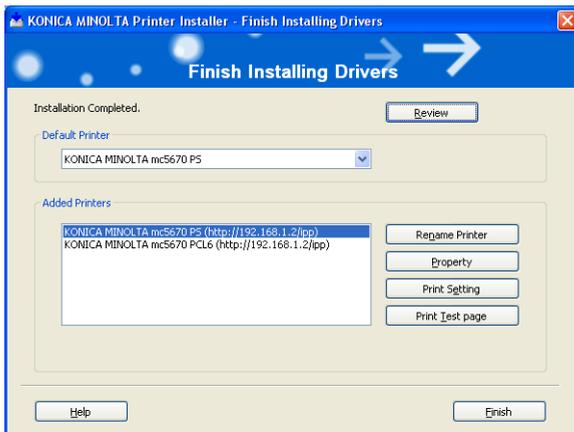


8 In the Confirm Installation Settings dialog box, click **Install**.



■ [Installation Settings]: To change the settings, click this button.

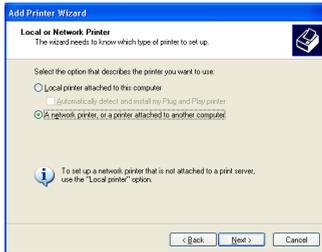
9 Click **Finish**. This completes the installation of the printer driver.



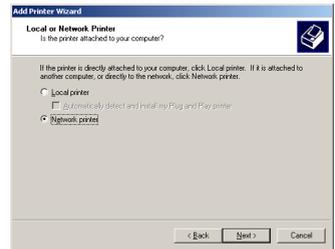
Adding an IPP Port using Add Printer Wizard - Windows Server 2003/XP/2000

- 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:

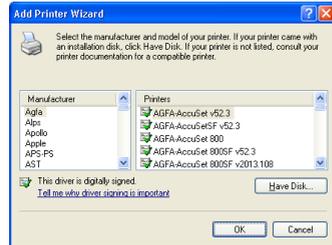
- **Windows Server 2003/XP**—“Windows cannot connect to the printer. Either the printer name was typed incorrectly, or the specified printer has lost its connection to the server. For more information, click **Help**.”

- **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 magicolor 5670(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\color\Drivers\Win_x86\PS<language>), and then choose **OK**.



5 Finish installing the printer driver.

Adding an IPP Port using Add Printer Wizard - Windows Vista/7/Server 2008/Server 2008 R2

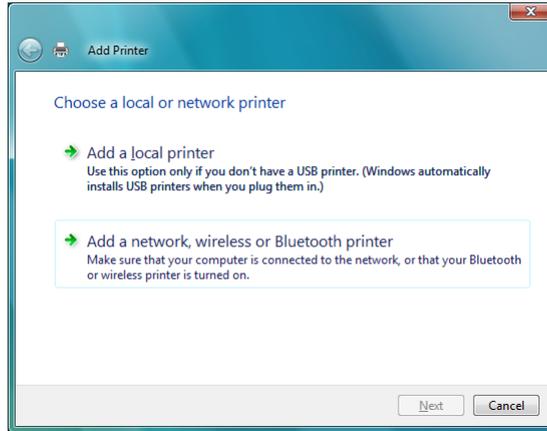
- 1 Click **Start**, click **Control Panel**, and then click **Printers**.



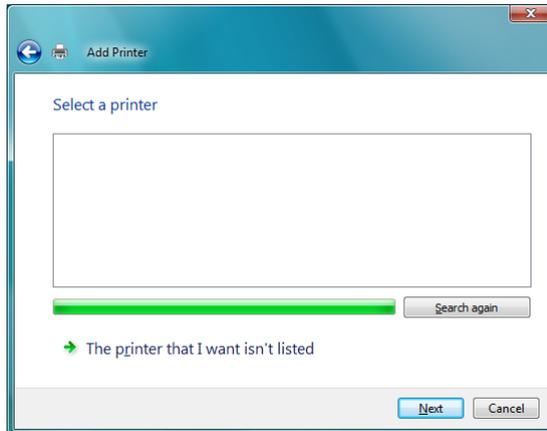
*When using Windows 7/Server 2008 R2, **View devices and printers** under **Hardware and Sound**.*

- 2 Click **Add a printer**.

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

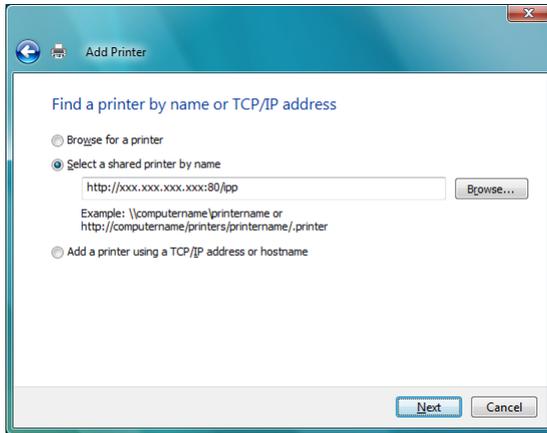


- 4 In the dialog box, click **The printer that I want isn't listed**.



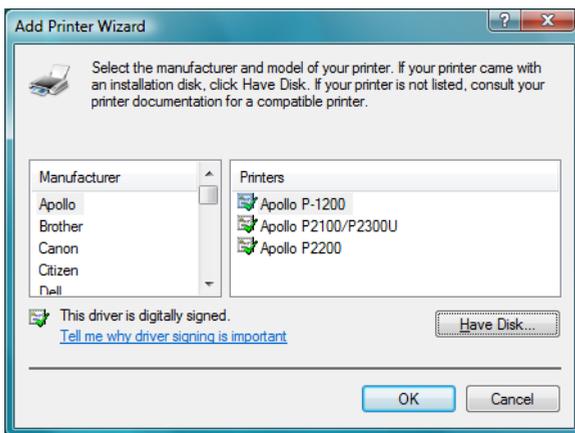
5 In the URL field in the next dialog box enter the printer's network path-name in one of the following formats and then choose **Next**:

- `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\color\Drivers\Win_x86\PS\<language>`), and then choose **Next**.



7 Finish installing the printer driver.

Printing via Web Service Print Function

In Windows Vista/7/Server 2008/Server 2008 R2, printers on the network that support Web Service print can be detected and installed.



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



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



*If the User Account Control window appears when installing on Windows Vista/7/Server 2008/Server 2008 R2, click the **Continue** button or the **Yes** button.*



To use the Web Service print, check that [Network discovery] is set to [On] in [Network and Sharing Center] on the computer.

With Windows Server 2008/Server 2008 R2

When using Windows Server 2008/Server 2008 R2, settings must be specified in the operating system before the printer driver is installed.

- 1 Click the **Start** button.
- 2 Point to **Administrative Tools**, and then click **Server Manager**.



*If the User Account Control dialog box appears, click the **Continue** button or the **Yes** button.*

- 3 In the Server Manager main window, click **Add Roles** in the Roles Summary section.
- 4 Select the **Print Services** or **Print and Document Services** check box to install the feature.

Making the printer driver known from the Network window

To use Web service print in Windows Vista/7/Server 2008/Server 2008 R2, install the printer driver before making it known to the computer with plug and play.

- 1 Install the printer driver for this machine.
Install the printer driver using the installer or Add Printer Wizard. The printer driver can be installed in any port.
For details, refer to the Reference Guide on the Utilities and Documentation CD-ROM or “Adding an IPP Port using Add Printer Wizard - Windows Vista/7/Server 2008/Server 2008 R2” on page 197.

- 2 Turn on the power of the machine while it is connected to the network.
 - Since the printer is searched for, be sure to connect the machine to the network.
- 3 To use the Web service print, check that [Network discovery] is enabled in [Network and Sharing Center] on the computer.
- 4 Open the [Network] window.
 - In Windows Vista/Server 2008, click [Start], and [Network].
 - In Windows 7/Server 2008 R2, open [Computer] and click [Network]. If [Network] is not displayed in [Computer], click the [Network and Internet] category on the [Control Panel], and also click [View network computers and devices].

Connected computers and devices are detected.

- 5 Select the device name of the machine, and then click [Install] on the toolbar.
The printer driver for this machine is detected and the machine is ready to print.
- 6 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] or [Devices and Printers] window.



If the printer driver is not correctly installed, the driver must be updated using [Update Driver ...]. For details, refer to “Updating the driver after connecting this machine” on page 208.



*In Windows Vista/Server 2008, you can continue the task and specify the printer driver installation disk to install the printer driver if it is not installed in advance.
When the [Found New Hardware] window appears, follow the displayed messages to perform the procedure. For details, refer to “Adding a printer from the Network window” on page 201.*



In Windows 7/Server 2008 R2, you cannot specify the installation disk after the machine is connected to the computer. Install the printer driver in advance (Step 1).

Adding a printer from the Network window

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



In Windows 7/Server 2008 R2, a window for specifying an installation disk does not appear after the machine is connected to the computer. To connect this machine as described in “Making the printer driver known from the Network window” on page 199.

- 1 To use Web Service print, check that **Network discovery** is enabled in **Network and Sharing Center** on the computer.
- 2 Insert the Printer Driver CD-ROM in the CD-ROM/DVD drive of your computer. The installer starts up.

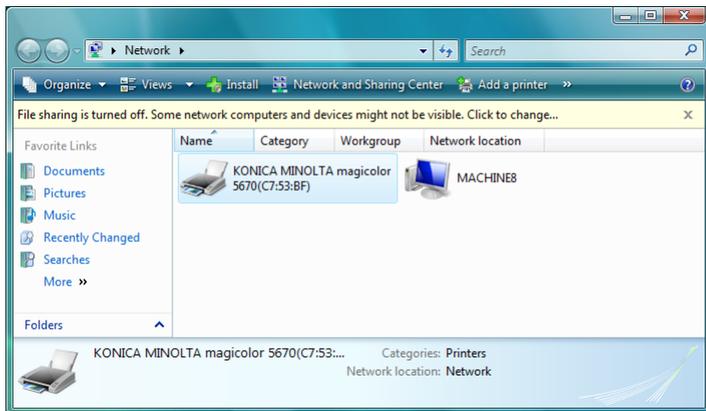


*Click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the CD-ROM is inserted.*

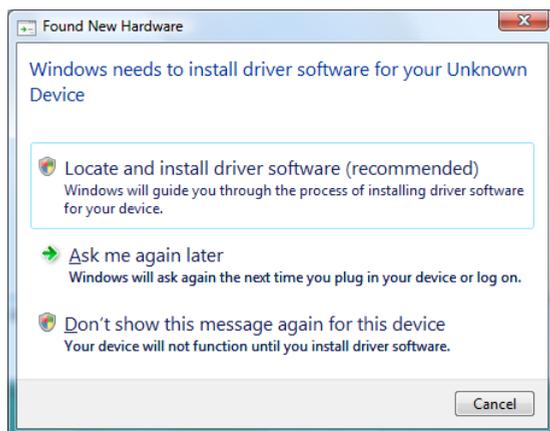


*If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD-ROM.*

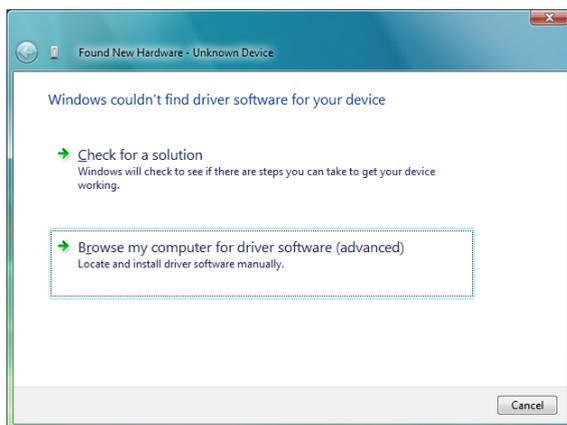
- 3 Exit the installer.
- 4 Click **Start**, and then click **Network**.
The Network window appears, showing the computers and devices on the network.
- 5 Select the device name of this printer, and then click **Install** on the toolbar.



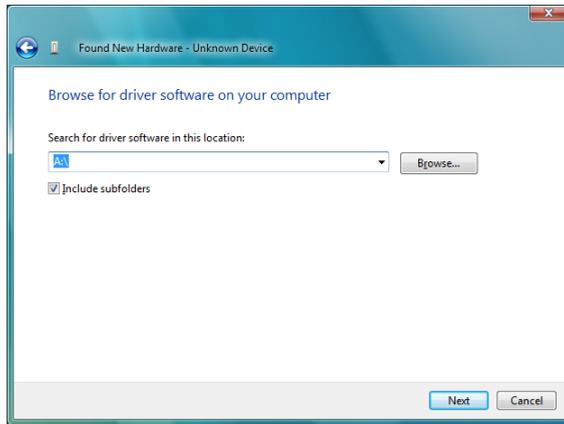
6 Click **Locate and install driver software (recommended)**.



7 Click **Browse my computer for driver software (advanced)**.



- Click **Browse**, locate the directory on the CD-ROM where the printer driver files are located (for example, Drivers\Windows\color\Drivers\Win_x86\PS\<language>), and then click **OK**.



- Click **Next**.
- Click **Close**.

Adding a printer using Add Printer Wizard

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

 *In Windows 7/Server 2008 R2, a window for specifying an installation disk does not appear after the machine is connected to the computer. To connect this machine as described in “Making the printer driver known from the Network window” on page 199.*

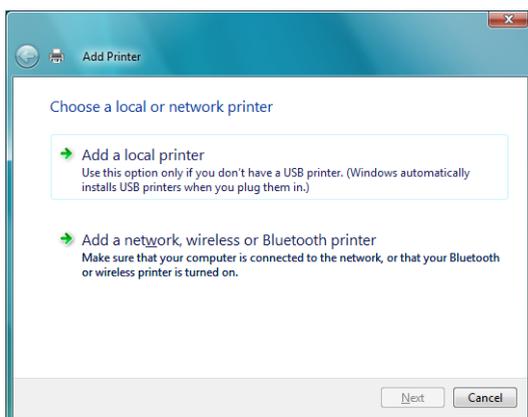
- To use Web Service print, check that **Network discovery** is enabled in **Network and Sharing Center** on the computer.
- Insert the Printer Driver CD-ROM in the CD-ROM/DVD drive of your computer. The installer starts up.

 *Click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the CD-ROM is inserted.*

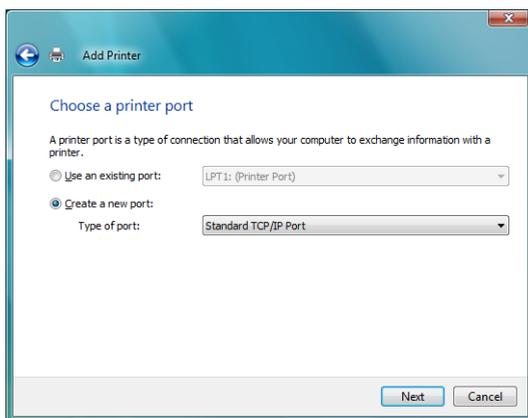
 *If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD-ROM.*

- Exit the installer.
- Click **Start**, click **Control Panel**, and then click **Printers**.
- Click **Add a printer** on the toolbar.

6 In the dialog box, click **Add a local printer**.

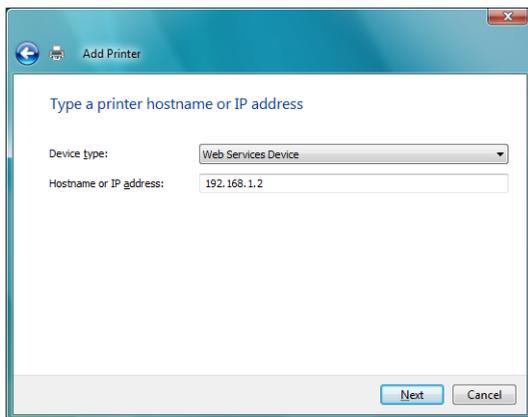


7 Click **Create a new port**, and then select **Standard TCP/IP port**.

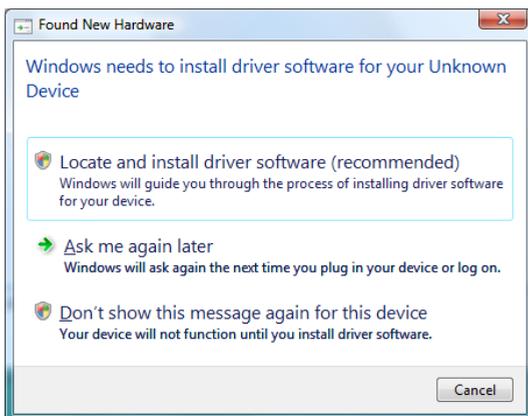


8 Click **Next**.

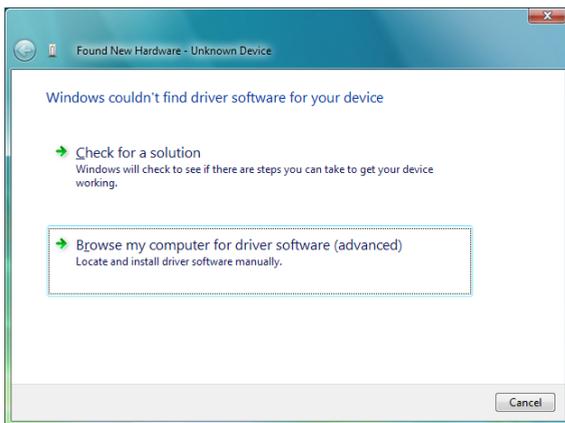
- 9 Select **Web Services Device** and type the IP address for the printer, and then click **Next**. The Found New Hardware Wizard dialog box appears.



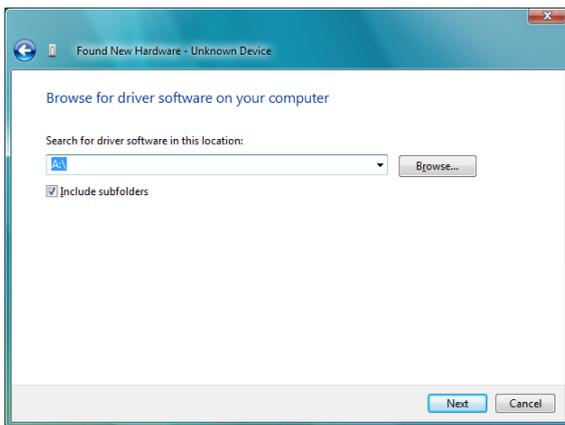
- 10 Click **Locate and install driver software (recommended)**.



11 Click **Browse my computer for driver software (advanced)**.



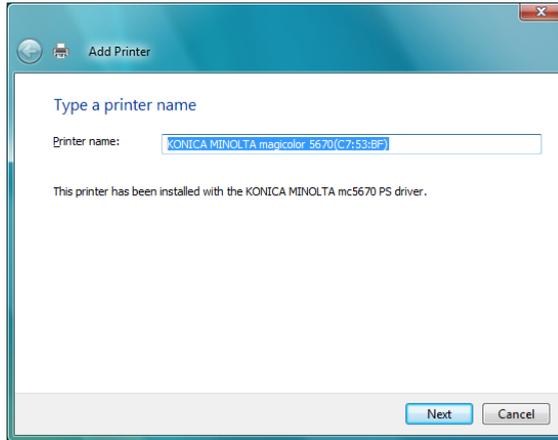
12 Click **Browse**, locate the directory on the CD-ROM where the printer driver files are located (for example, Drivers\Windows\color\Drivers\Win_x86\PS\<language>), and then click **OK**.



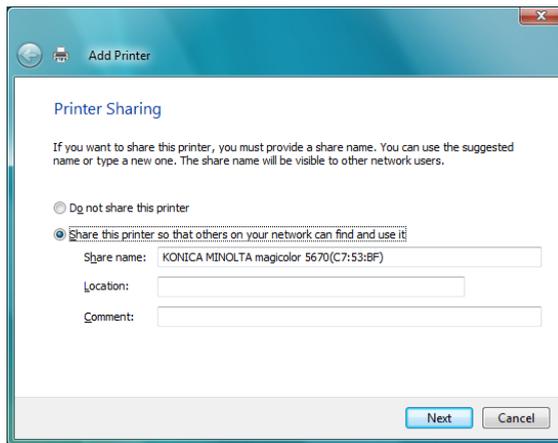
13 Click **Next**.

14 Click **Close**.

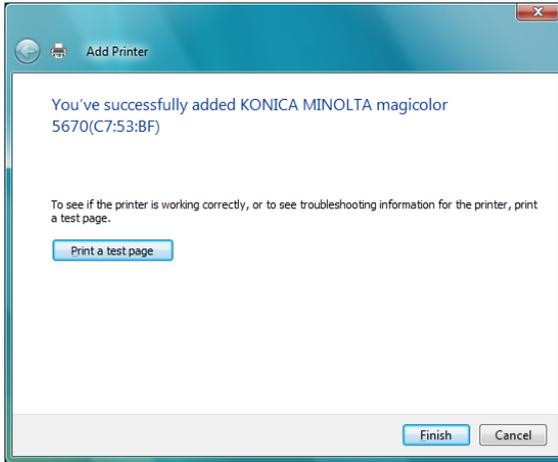
15 Click **Next**.



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



- 17 Click **Finish**. This completes the installation of the printer driver.



Updating the driver after connecting this machine

In Windows 7/Server 2008 R2, if this machine is connected without first installing the printer driver, the printer driver will not be correctly identified. If the printer driver is not correctly identified, the driver must be updated using [Update Driver].

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

The installer starts up.



Click *Run AutoRun.exe* in the *AutoPlay* dialog box that appears when the CD-ROM is inserted.



If the installer does not start up automatically, double-click the *Auto-Run.exe* icon on the CD-ROM.

- 2 Exit the installer.
- 3 Open the [Devices and Printers] window.
 - Open the [Control Panel], select [Hardware and Sound], and then click [View devices and printers].
 - When [Control Panel] is displayed in an icon view, double-click [Devices and Printers].

- 4 Right-click the device name of the machine that is under [Unspecified] and then click [Properties].
 - If [Unknown Device] appears instead of the device name of the machine, right-click to remove the device, and install the printer driver. To connect this machine as described in “Making the printer driver known from the Network window” on page 199.
- 5 In the [Hardware] tab, click [Properties].
- 6 In the [General] tab, click [Change Settings].
- 7 In the [Driver] tab, click [Update Driver...].
- 8 In the page in which to select how to search the driver software, click [Browse my computer for driver software anyway].
- 9 Click [Browse...].
- 10 Locate the directory on the CD-ROM where the printer driver files are located (for example: Drivers\Windows\color\Drivers\Win_x86\PS\english), and then click [OK].
- 11 Click [Next].
- 12 Follow the instructions on the pages that follow.
 - If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].
- 13 Click [Close].
- 14 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Device and Printer] window.
- 15 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver updating.



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

If the bit number differs between the server operating system and client operating system

If the bit number differs between the print server's running operating system and client computer's running operating system while Windows Server 2008/ Server 2008 R2 is running on the print server, the additional driver may not be installed correctly on the print server.

To solve this problem, specify the setup information file (ntprint.inf) of the operating system with a different bit number when installing the additional driver on the print server.

The following describes how to install the additional driver by specifying a setup information file in a different computer from that the print server.



Before starting this procedure, prepare to configure a different client computer from that of the print server and install the operating system that has a bit number different from that of the print server.



On the print server side, the system drive of the client computer is assigned as the network drive. Configure the setting to share the drive to be assigned in advance.

Installing the Additional Driver

As an example, the following procedure describes the operations performed when Windows Server 2008 (32 bits) is running on the print server and Windows Vista (64 bits) is running on the client computer.

- 1 Specify the client computer (64 bits) drive installed with the operating system (normally, drive C) as a shared drive.

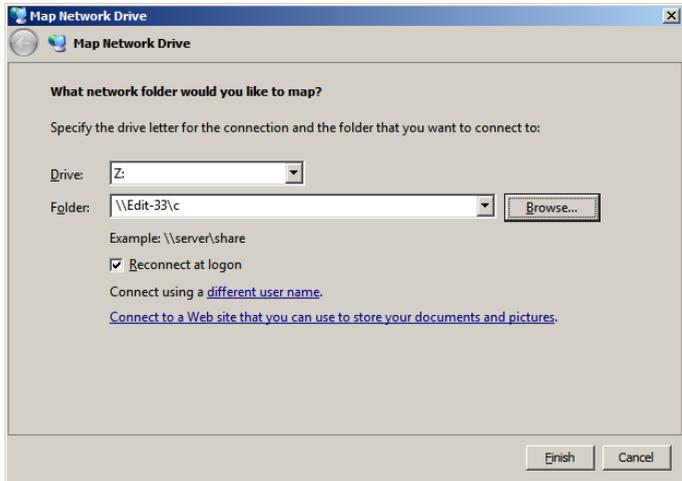


This setting is available for only PostScript driver.

- 2 From the print server (32 bits), map the client computer (64 bits) drive (for example, "C"), specified as a shared drive in step 1, as a network drive (for example, "z").

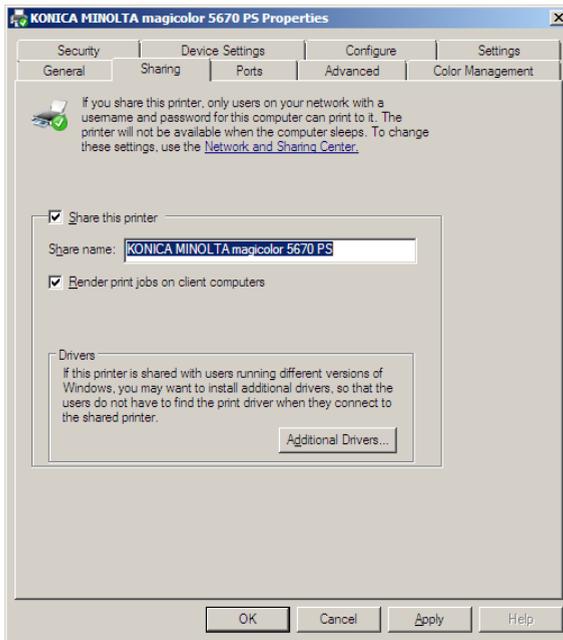


This setting is available for only PostScript driver.

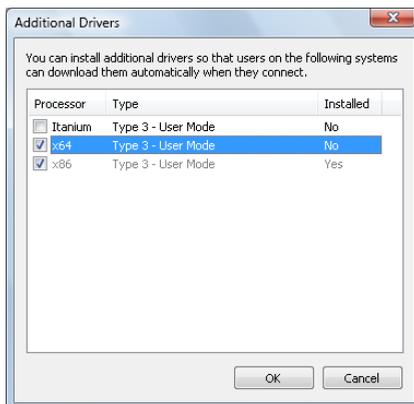


- 3 Install on the print server (32 bits) the driver for a 32-bit operating system.

- 4 Right-click the printer that was installed, and then click the appropriate menu command to display printer properties.



- 5 Select the **Sharing** tab, and then select the **Share this printer** check box.
- 6 Click **Additional Drivers**.
The Additional Drivers dialog box appears.
- 7 Under **Processor**, select the **x64** check box, and then click **OK**.

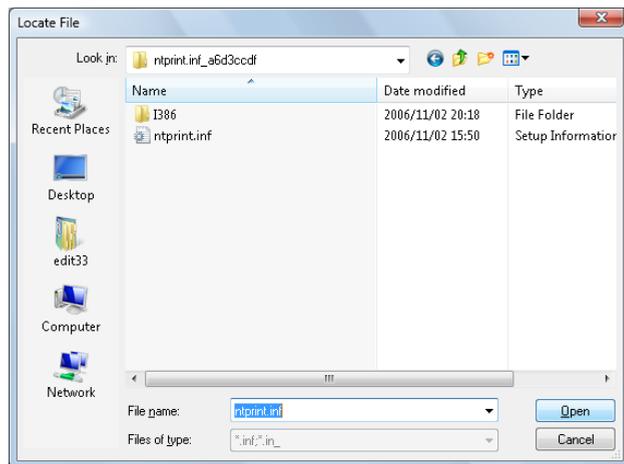


- 8 Specify the folder containing the driver for a 64-bit operating system. A dialog box appears, requesting the location of the setup information file.
- 9 Click **Browse**, and then select the setup information file (ntprint.inf) on the client computer mapped as a network drive.



This setting is available for only PostScript driver.

- Specify the file at the following path.
z:\Windows\System32\DriverStore\FileRepository\ntprint.inf_xxx
- In the path mentioned above, “z” indicates the mapped network drive. In addition, the characters indicated by “_xxx” at the end may differ depending on the driver version.
- Depending on the client computer being used, the setup information file may be stored in a different location. If there is a folder named “amd64” at the same level as “ntprint.inf”, specify the setup information file for a 64-bit operating system located within that folder. In addition, if the driver for a 32-bit operating system is to be installed, specify the setup information file in the folder named “i386” at the same level as “ntprint.inf”.



- 10 Click **Open**.
The installation begins.
- 11 After the installation is completed, click **Close**.
This completes the installation of the driver for a 64-bit operating system onto the print server (32 bits).

Troubleshooting

Symptom	Action
Some client functions are not available with the Point and Print feature when the server is running Windows Server 2003/Server 2008/Server 2008 R2 and the client computer is running Windows 2000/XP/Vista/7.	Install the printer driver directly on the client computer.

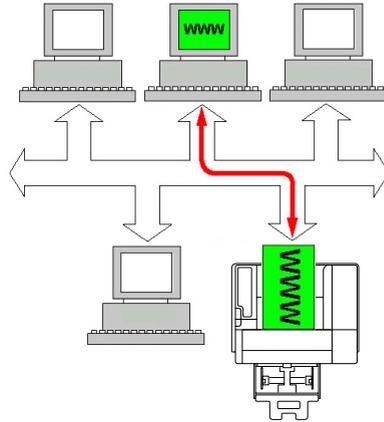
***Using PageScope
Web Connection***

8

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.

Requirements

To use PageScope Web Connection, the following is required:

- Windows 2000/XP/Vista/7/Server 2003/Server 2008/Server 2008 R2, Mac OS X 10.2.8/10.3/10.4/10.5/10.6, and 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.

When connecting with Windows Server 2008/Server 2008 R2

When PageScope Web Connection is started on a computer running Windows Server 2008/Server 2008 R2, only the **System** tab may appear, and the **Job**, **Print** and **Network** tabs may not. In this case, Java must be installed, and the security settings must be specified according to the following procedure.



Before using PageScope Web Connection, be sure to close all Internet Explorer windows.

- 1 Click the **Start** button.
- 2 Point to **Administrative Tools**, and then click **Server Manager**.



*If the User Account Control dialog box appears, click the **Continue** button or the **Yes**.*

- 3 In the Server Manager main window, select **Configure IE ESC** in the **Security Information** section.
- 4 Set both **Off** for **Administrators** and **Off** for **Users**.
- 5 Click the **OK** button.

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, magicolor 5670(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 XP/Vista/7/2000 Server/Server 2003/Server 2008/Server 2008 R2
 \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.

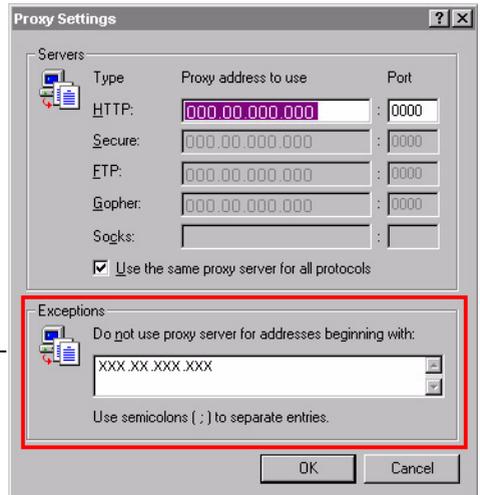
The sample screens below may be different from yours depending on software versions and operating systems in use.



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.

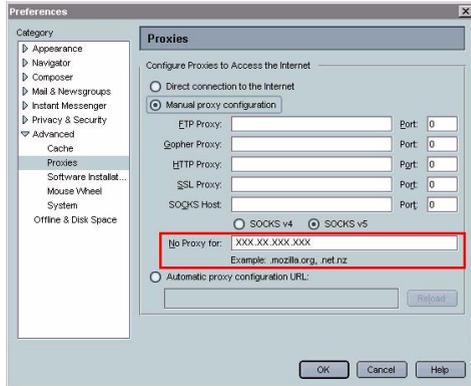
Internet Explorer (version 6.0 for Windows)

- 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.



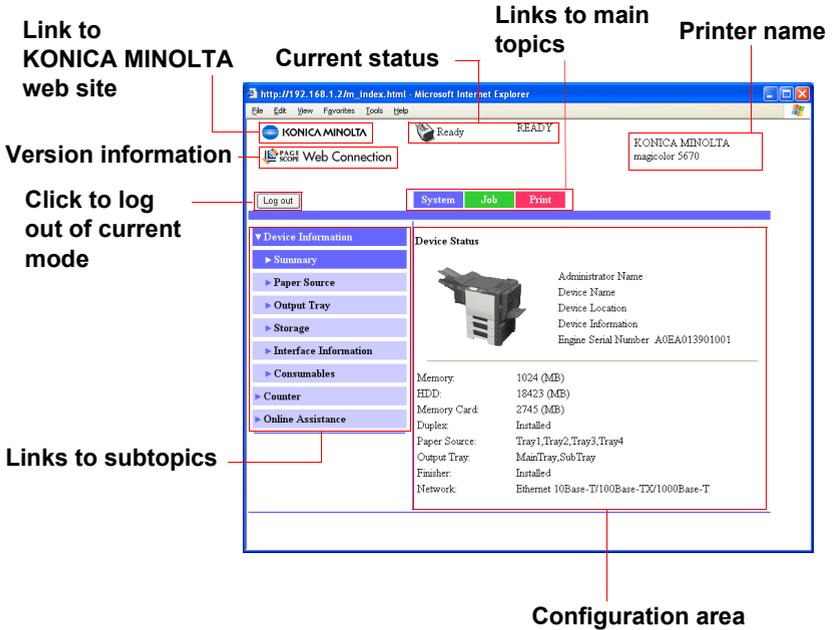
Netscape Navigator (version 7.1)

- 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 226.)

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 C
	Error	The printer needs attention before printing can resume.	TONER EMPTY PAPER JAM TRAY2
	Caution	The printer needs attention, but printing continues.	PAPER MISMATCH TRAY1
	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 279 and “User Authentication” on page 393.



A total of 100 users, including the administrator, can be logged on to PageScope Web Connection at the same time from client computers. In addition, public users, registered users, and the administrator can be logged on at the same time.

PageScope Web Connection - Microsoft Internet Explorer

File Edit View Favorites Tools Help

KONICA MINOLTA PAGE SCOPE Web Connection

Log in

Public User

Registered User

User Name

User Password

Account Name

Account Password

Administrator

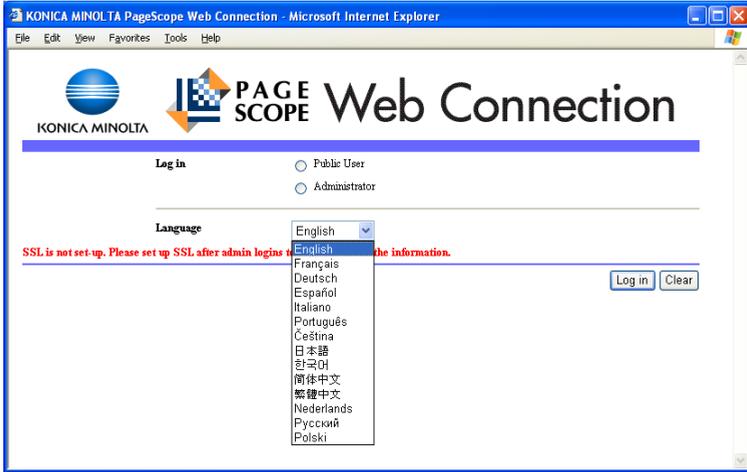
Language English

SSL is not set-up. Please set up SSL after admin logins to secure safety of the information.

Log in Clear

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 280 and “User Authentication” on page 393.

- 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

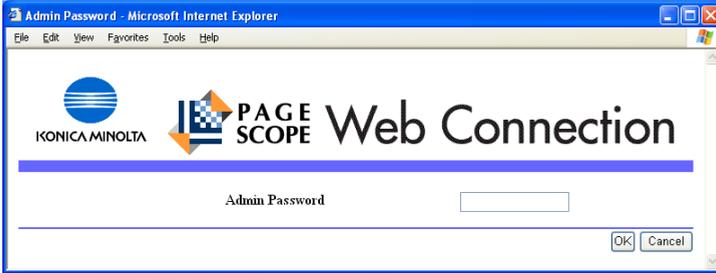
 *To enter Account Track Mode, log on in Administrator mode, set **Account Track** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new account in the **System - Authentication - Account Track Registration - New Registration** page. For details, refer to “Account Track Registration” on page 283 and “User Authentication” on page 393.*

- 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.



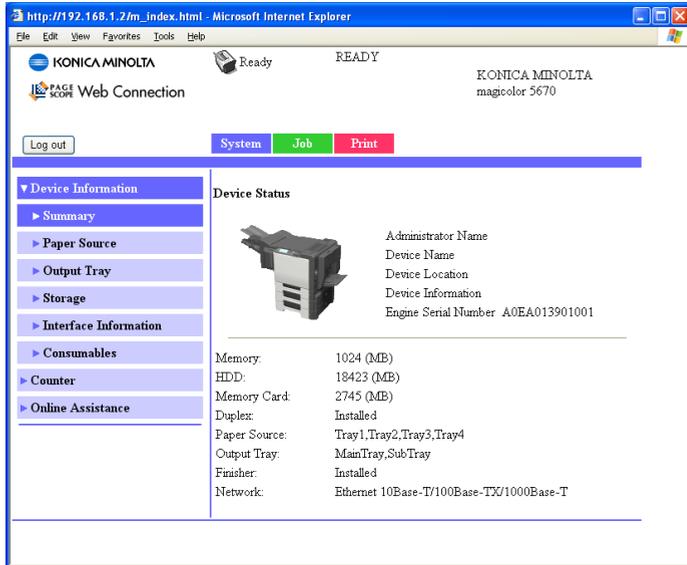
*Default password is set to "administrator"; however, once you have logged on in Administrator Mode, the password can be specified in the **System - Admin Password** window.*

- 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.



http://192.168.1.2/m_index.html - Microsoft Internet Explorer

KONICA MINOLTA
PAGE SCOPE Web Connection

Ready READY
KONICA MINOLTA
magicolor 5670

Log out System Job Print

▼ Device Information

- ▶ Summary
- ▶ Paper Source
- ▶ Output Tray
- ▶ Storage
- ▶ Interface Information
- ▶ Consumables
- ▶ Counter
- ▶ Online Assistance

Device Status



Administrator Name
Device Name
Device Location
Device Information
Engine Serial Number A0EA013901001

Memory: 1024 (MB)
HDD: 18423 (MB)
Memory Card: 2745 (MB)
Duplex: Installed
Paper Source: Tray1,Tray2,Tray3,Tray4
Output Tray: MainTray,SubTray
Finisher: Installed
Network: Ethernet 10Base-T/100Base-TX/1000Base-T



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

Device Information

Summary (shown previous)

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

Item	Description
Printer name/status	<p>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.</p> <p> <i>The status display allows you to remotely identify possible printer problems, such as out of paper and out of toner.</i></p>
Device Status (Product image)	<p>Identifies the type of printer that you are browsing. The printer is pictured in the illustration with all installed options.</p>
Memory	<p>Displays the amount of memory installed in the printer.</p>
HDD	<p>If an optional hard disk kit is installed in the printer, displays the size of the hard disk kit.</p> <p>If no optional hard disk kit is installed in the printer, displays "Not Installed".</p>
Memory Card	<p>If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card.</p> <p>If no optional CompactFlash card is installed in the printer, displays "Not Installed".</p>
Duplex	<p>Identifies whether the optional duplex unit (Duplex Option) is "Installed" or "Not Installed".</p>
Paper Source	<p>Identifies the paper feed units (Tray1, Tray2, Tray3, Tray4) installed on the printer.</p> <p> <i>Tray3 and Tray4 appear only if the optional lower feeder units are installed.</i></p>
Output Tray	<p>Identifies the output trays (Main Tray, Sub Tray) installed on the printer.</p> <p> <i>Sub Tray appears only if the optional staple finisher is installed.</i></p>

Item	Description
Finisher	Identifies whether the staple finisher is “Installed” or “Not Installed”.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

Paper Source

The screenshot shows a web browser window displaying the printer's status page. The page title is "http://192.168.1.2/m_index.html - Microsoft Internet Explorer". The page header includes the Konica Minolta logo, "READY" status, and "KONICA MINOLTA magicolor 5670". There are navigation buttons for "Log out", "System", "Job", and "Print". The left sidebar contains a "Device Information" menu with options like Summary, Paper Source, Output Tray, Storage, Interface Information, Consumables, Counter, and Online Assistance. The main content area is titled "Paper Source" and contains a table with the following data:

Paper Source	Paper Size	Paper Type	Paper	
Tray1	Custom Size	Plain Paper	Empty	Detail
Tray2	A4	Plain Paper	Ready	Detail
Tray3	A4	Plain Paper	Ready	Detail
Tray4	A4	Plain Paper	Ready	Detail

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” or “Empty”) for each tray.
Detail button	Displays detailed information about the paper trays.

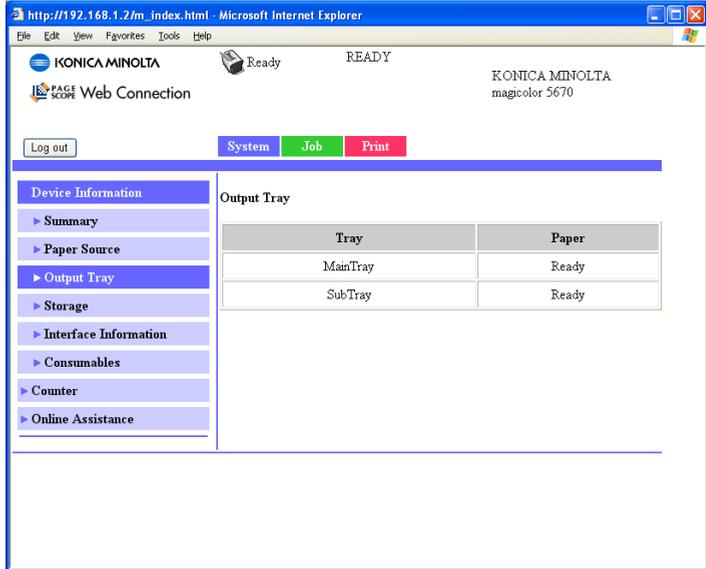
Paper Source (Detail)



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.

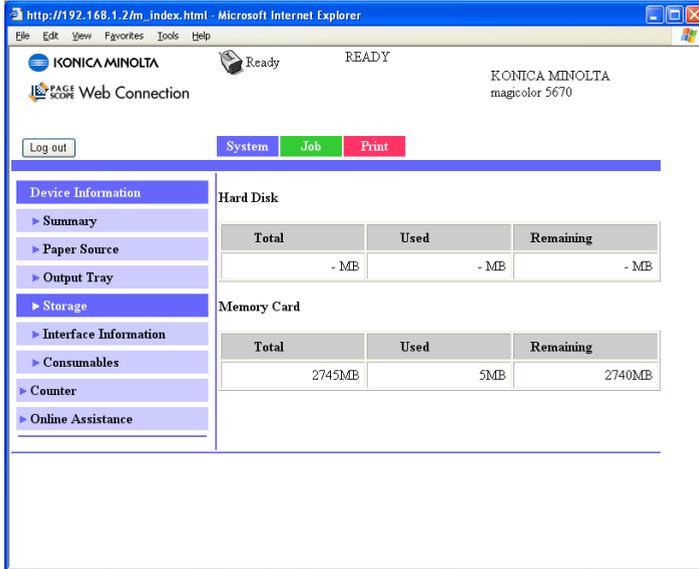
Output Tray



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

Item	Description
Tray	Displays the names of the output trays (Main Tray, Sub Tray).  <i>Sub Tray appears only if the optional staple finisher is installed.</i>
Paper	Displays the status (Ready, Full) of the output trays.

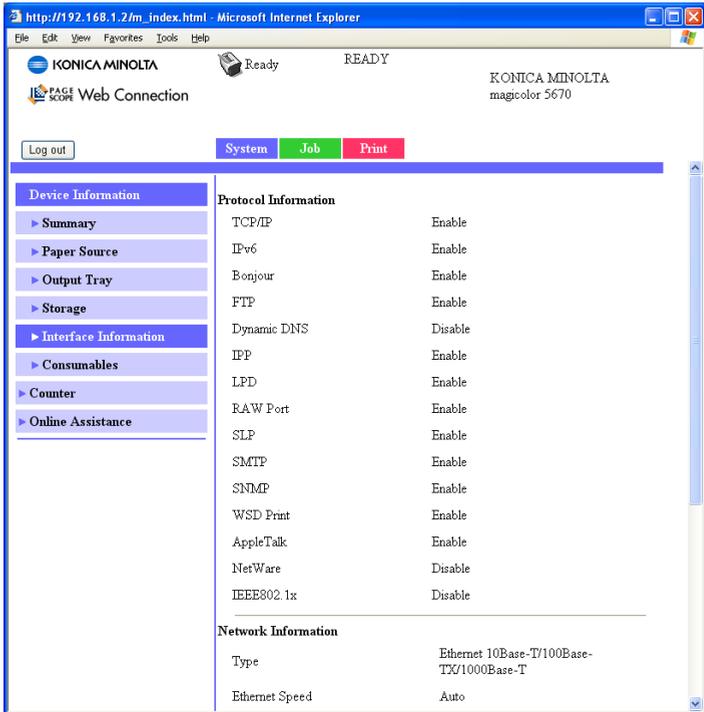
Storage



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



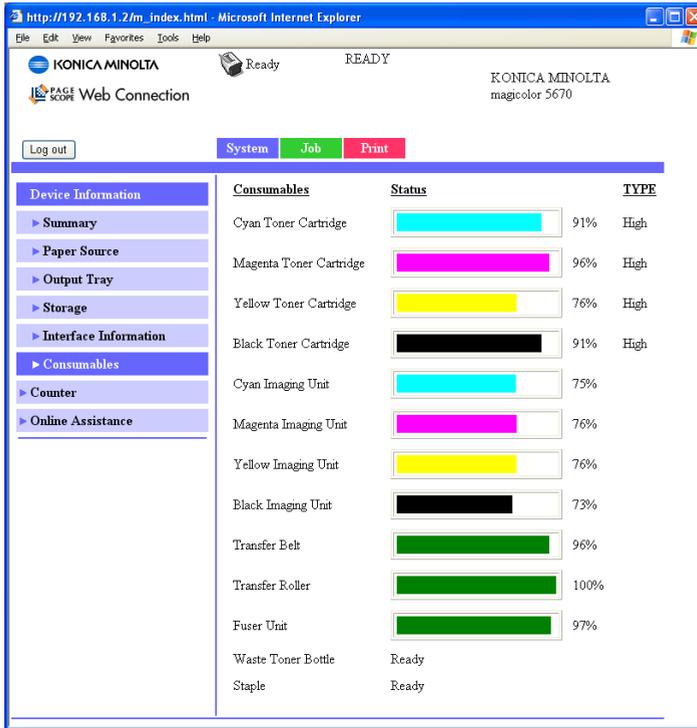
The **System - Device Information - Interface Information** window provides the following information.

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 displayed, IPv6 is enabled. If Disable is selected, IPv6 is disabled.
	Bonjour	If Enable is displayed, Bonjour is enabled. If Disable is displayed, Bonjour is disabled.
	FTP	If Enable is displayed, FTP is enabled. If Disable is selected, FTP is disabled.

Item	Description	
	Dynamic DNS	If Enable is displayed, 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 displayed, LPD is enabled. If Disable is selected, LPD is disabled.
	RAW Port	If Enable is displayed, RAW Port is enabled. If Disable is selected, RAW Port is disabled.
	SLP	If Enable is displayed, SLP is enabled. If Disable is selected, SLP is disabled.
	SMTP	If Enable is displayed, SMTP is enabled. If Disable is selected, SMTP is disabled.
	SNMP	If Enable is displayed, SNMP is enabled. If Disable is selected, SNMP is disabled.
	WSD Print	If Enable is displayed, 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 displayed, IEEE802.1x is enabled. If Disable is selected, IEEE802.1x is disabled.
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.

Item		Description
	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	<p>Indicates the remaining life of the consumables.</p> <ul style="list-style-type: none"> ■ Toner Cartridge, Imaging Unit, Transfer Belt, Transfer Roller, Fuser Unit: Percentage ■ Waste Toner Bottle: Ready, Near Full, or Full ■ Staple: Ready, Empty <p> <i>Staple appears only if the optional staple finisher is installed.</i></p>
TYPE	<p>Identifies the type of Toner Cartridge.</p> <ul style="list-style-type: none"> ■ Starter, Standard, High

Counter

The screenshot shows a web browser window displaying the printer's status page. The browser title is 'http://192.168.1.2/m_index.html - Microsoft Internet Explorer'. The page header includes the Konica Minolta logo, 'READY' status, and 'KONICA MINOLTA magicolor 5670'. There are buttons for 'Log out', 'System', 'Job', and 'Print'. The main content area is titled 'Counter' and contains three tables:

Pages Printed			
	Monochrome	Full Color	Total
Total Pages	2	3	5
Duplex Pages	0	0	0
Normalized Pages	2	3	5

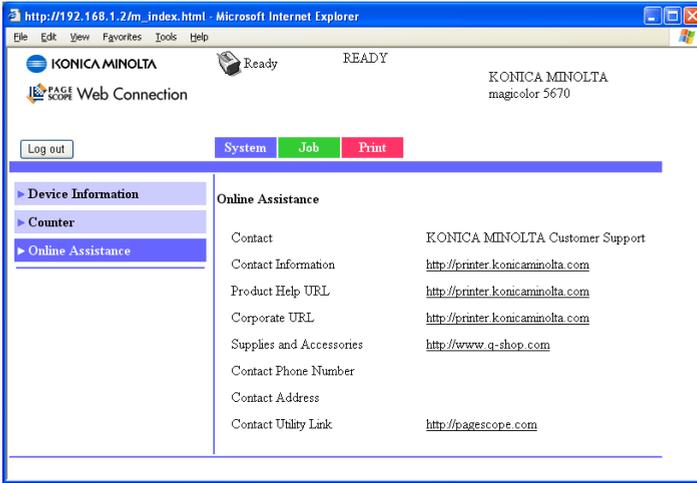
Sheets Printed by Paper Size	
	Total
Legal	0
Letter	1
A4	5
B5(JIS)	0
A5	0
Custom Size	0
Other	0

Sheets Printed by Paper Type	
	Total
Plain Paper	6
Recycled	0
Thick 1	0
Thick 2	0
Label	0
Transparency	0
Envelope	0
Postcard	0
Letterhead	0
Glossy 1	0
Glossy 2	0

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



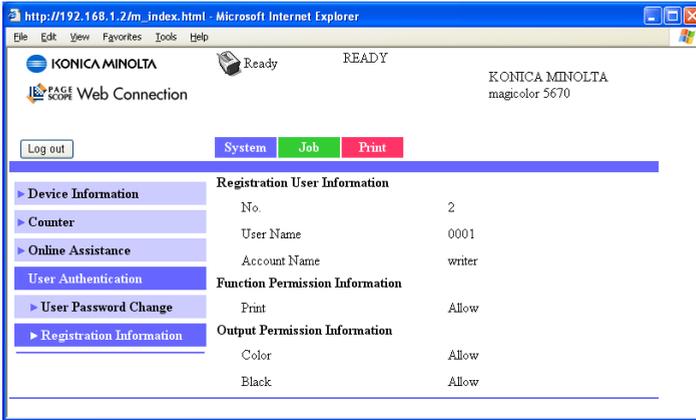
This page appears only when logged on to Registered User Mode.

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]
Apply button	Applies the new password.  <i>If a mistake was made while typing, the settings will return to those specified before new settings were entered.</i>
Clear button	Resets all configuration settings to previous values.

Registration Information

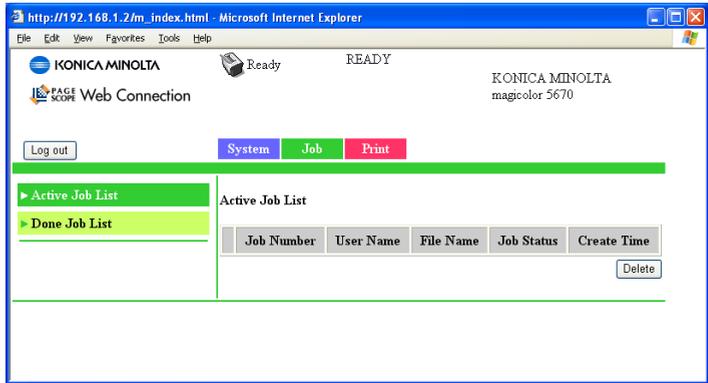


The registration information for the user who is logged on can be checked from the **System - User Authentication - Registration Information** page.

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

Job Page

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

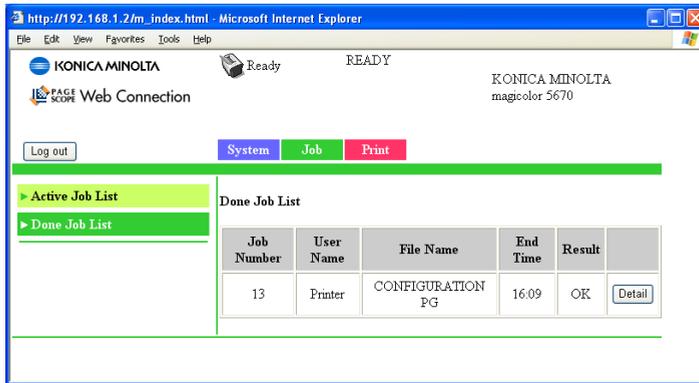


Active Job List

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, Abort or Pending).
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.

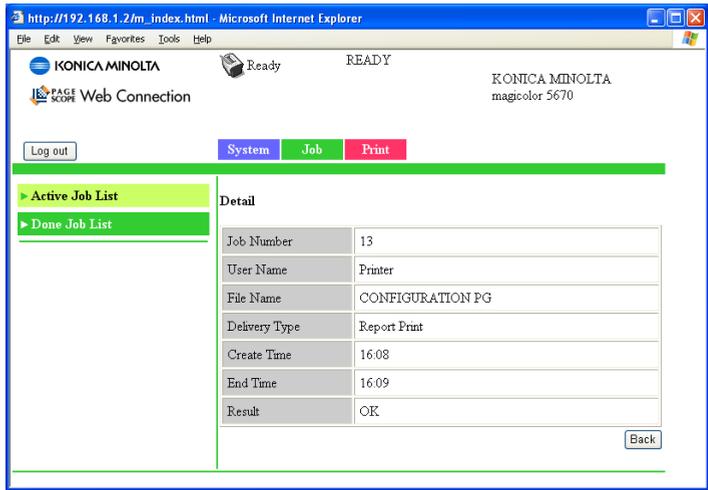
Done Job List



The **Job - Done Job List** window provides the following information for up to 50 print jobs:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a Number 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)

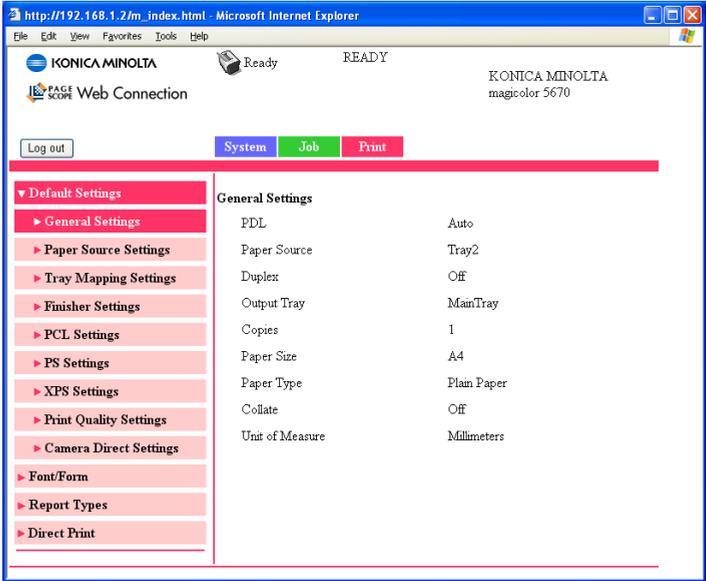


The **Job - Done Job List - Detail** window provides the following information for the selected job:

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a Number 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 (Print, Print and Hold, Proof then Print, IPP Print, Secure Job, Time Print or Report Print).
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

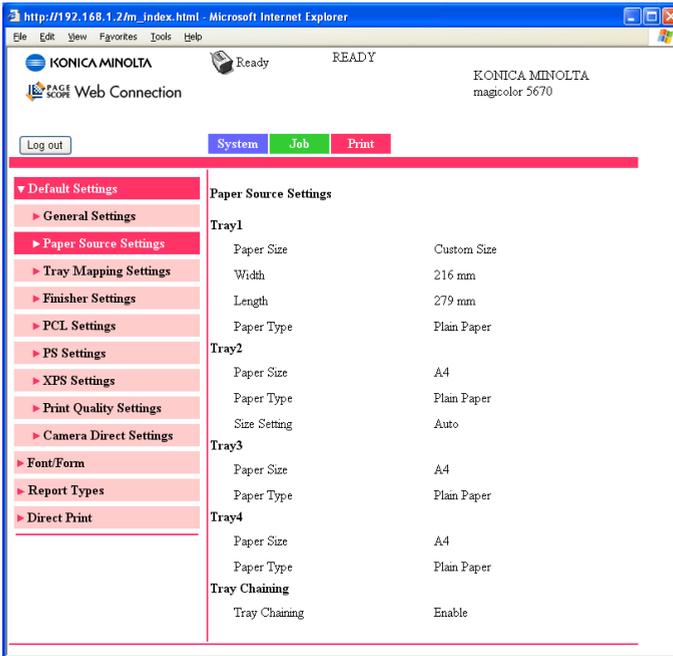
General Settings

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	<p>If Long-Edged Binding is indicated, the pages will be printed on both sides of the paper for long-edge binding.</p> <p>If Short-Edged Binding is indicated, the pages will be printed on both sides of the paper for short-edge binding.</p> <p> <i>This menu item appears only if the optional duplex unit (Duplex Option) is installed.</i></p>

Item	Description
Output Tray	<p>Displays the name of the output trays (Main Tray, Sub Tray).</p> <p> <i>Sub Tray appears only if the optional staple finisher is installed.</i></p>
Copies	<p>Indicates the default setting for number of copies to be printed.</p>
Paper Size	<p>Indicates the default setting for the size of paper.</p>
Width	<p>Indicates the paper width when Paper Size is set to Custom Size.</p>
Length	<p>Indicates the paper length when Paper Size is set to Custom Size.</p>
Paper Type	<p>Indicates the default setting for the type of paper.</p>
Collate	<p>If On is indicated, all pages in a copy of the document can be printed before printing the next copy.</p> <p>If Off is indicated, all copies of the document are not printed separately.</p> <p> <i>This menu item appears only if a hard disk kit or a CompactFlash card of 1 GB or more is installed.</i></p>
Unit of Measure	<p>The units for specifying the size of custom paper is indicated between inches and millimeters.</p>
Image Rotation	<p>If ON is selected, the image is rotated 180 degrees before each copy is fed out. If OFF is selected, the image is not rotated.</p> <p> <i>This menu item appears only if the optional staple finisher is not installed.</i></p>

Paper Source Settings



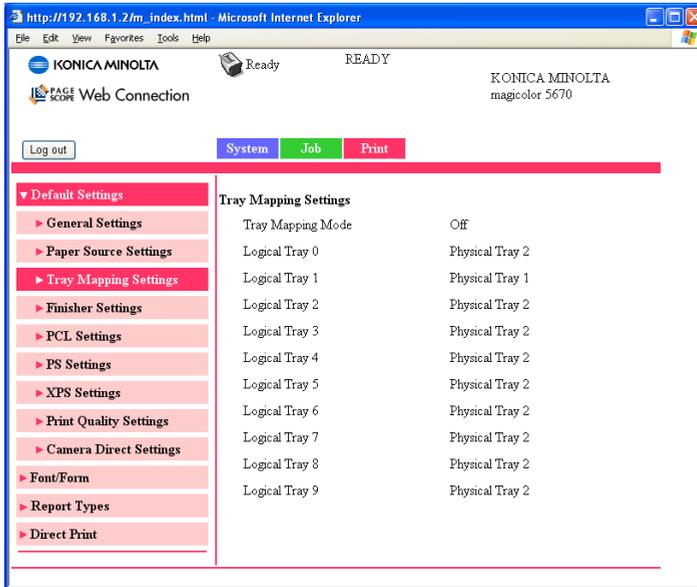
The **Print - Default Settings - Paper Source Settings** window provides the following information.

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.

Item		Description
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.  <i>This menu item appears only if the 250 sheet tray is installed for Tray 2.</i>
	Length	Indicates the paper width when Paper Size is set to Custom Size.  <i>This menu item appears only if the 250 sheet tray is installed for Tray 2.</i>
	Paper Type	Indicates the setting for the type of paper loaded into Tray 2.
	Size Settings	Indicates whether the paper size for Tray 2 is automatically detected or manually set.  <i>This menu item appears only if the 250 sheet tray is installed for Tray 2.</i>
Tray3 This item appears only if the optional lower feeder unit is installed.	Paper Size	Indicates the setting for the size of paper loaded into Tray 3.
	Paper Type	Indicates the setting for the type of paper loaded into Tray 3.
Tray4 This item appears only if the optional lower feeder unit is installed.	Paper Size	Indicates the setting for the size of paper loaded into Tray 4.
	Paper Type	Indicates the setting for the type of paper loaded into Tray 4.

Item	Description
Tray Chaining	<p>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.</p> <p>If Disable is indicated and the specified paper tray runs out of paper, printing stops.</p>

Tray Mapping Settings



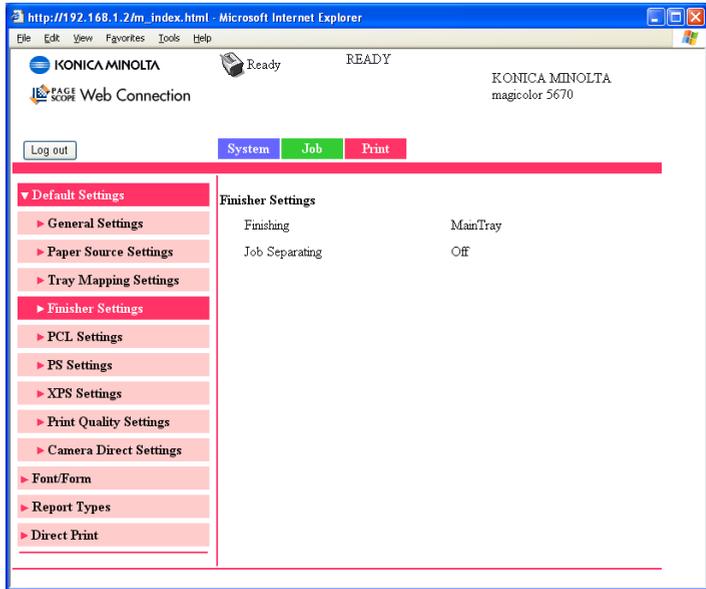
The **Print - Default Settings - Tray Mapping Settings** window provides the following information.

Item	Description
Tray Mapping Mode	<p>If On is indicated, Tray Mapping function is used.</p> <p>If Off is indicated, Tray Mapping function is not used.</p>
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



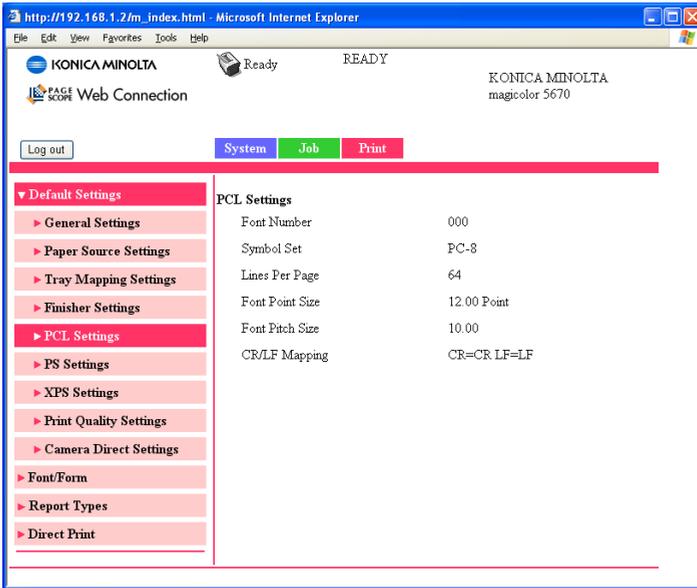
This page appears only if the optional staple finisher is installed.



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

Item	Description
Finishing	Shows the staple finisher 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.

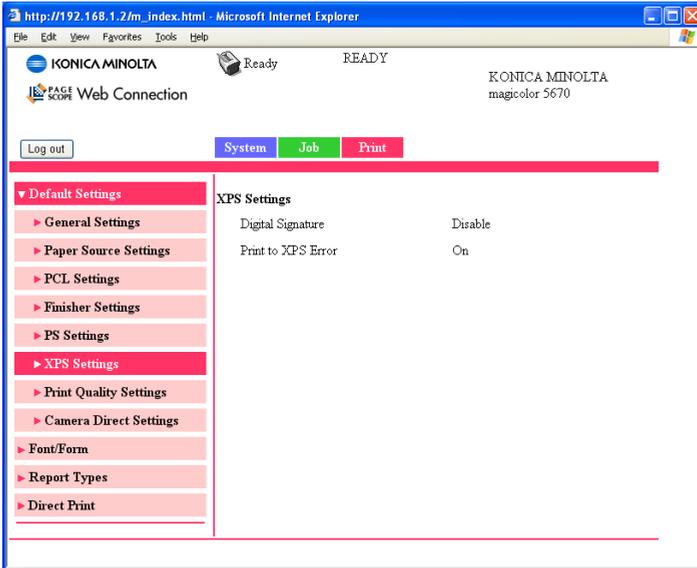
PS Settings



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



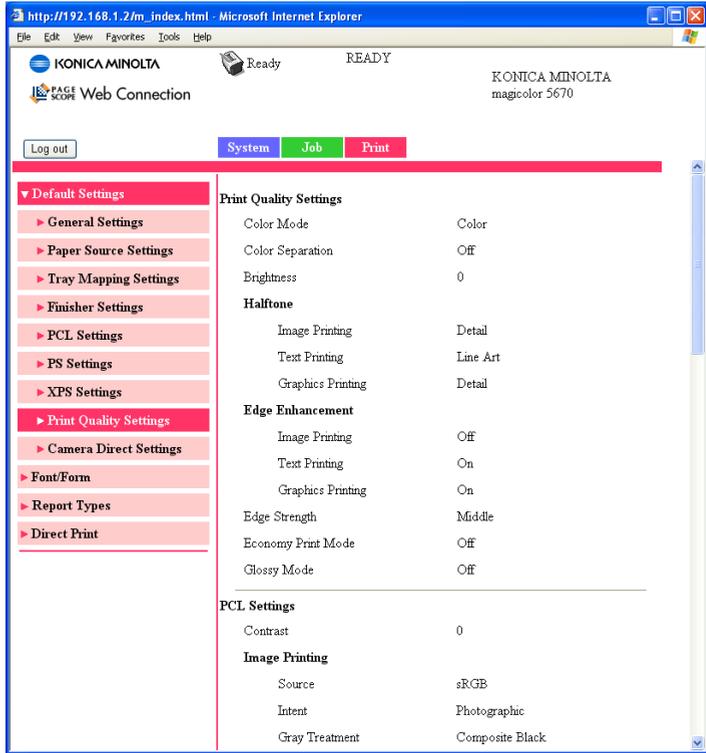
The **Print - Default Settings - XPS Settings** window provides the following information.



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



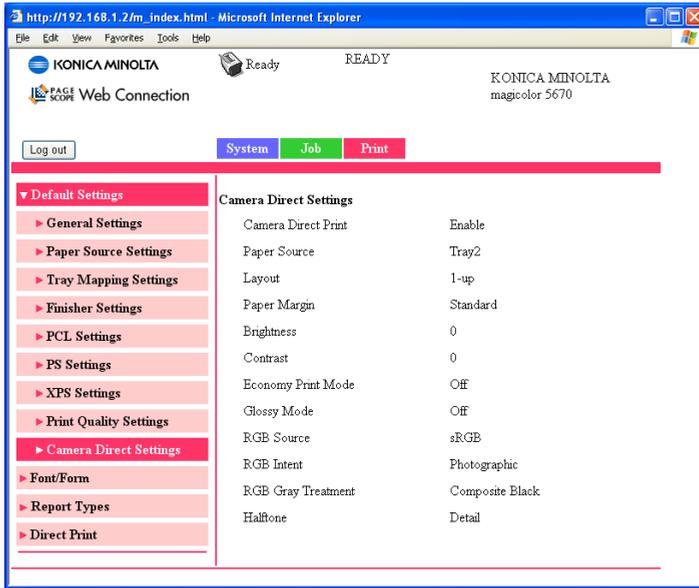
The **Print - Default Settings - Print Quality Settings** window provides the following information.

Item	Description	
Print Quality Settings	Color Mode	If Color is indicated, the pages are printed in full color. If Monochrome is indicated, the pages are printed in black and white.
	Color Separation	If On is indicated, color separation is performed. If Off is indicated, color separation is not performed.
	Brightness	Indicates the brightness of the printed image.

Item		Description
	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.
	Edge Enhancement (Image/Text/ Graphics Printing)	Shows the settings for whether or not edges are emphasized in images, text and graphics.
	Edge Strength	Shows the setting for the amount that edges are emphasized.
	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.
	Glossy Mode	Shows the setting for whether or not Glossy Mode is enabled. When Glossy Mode is enabled, pages can be printed with a glossy finish.
PCL Settings	Contrast	Indicates the contrast of the image.
	Image/Text/Graphics Printing (Source)	Identifies the color space for RGB data.
	Image/Text/Graphics Printing (Intent)	Indicates the color intent to be used on conversion RGB to CMYK by printer.
	Image/Text/Graphics Printing (Gray Treatment)	Indicates the method to reproduce RGB black and gray.

Item		Description
PS Settings	Image/Text/Graphics Printing (RGB Source)	Identifies the color space for RGB data.
	Image/Text/Graphics Printing (RGB Intent)	Indicates the color intent to be used on conversion RGB to CMYK by printer.
	Image/Text/Graphics Printing (RGB Gray Treatment)	Indicates the method to reproduce RGB black and gray.
	Image/Text/Graphics Printing (Destination Profile)	Indicates the ICC destination profile to be used for printed output.
	Simulation (Profile)	Indicates the specific ICC simulation profile to be used for printed output.
	Simulation (Intent)	Indicates the simulation intent to be used for simulation printing.
	Simulation (CMYK Gray Treatment)	Indicates the method to reproduce CMYK black and gray for simulation printing.
Calibration Settings	Tone Calibration	If On is indicated, image adjustments are applied. If Off is indicated, image adjustments are not applied.
	Cyan/Magenta/ Yellow/ Black Density (Highlight)	Indicates the density of the highlight color.
	Cyan/Magenta/ Yellow/ Black Density (Middle)	Indicates the density of the middle color.
	Cyan/Magenta/ Yellow/ Black Density (Shadow)	Indicates the density of the shadow color.

Camera Direct Settings



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

Item	Description
Camera Direct Print	If Enable is indicated, camera direct printing is enabled. If Disable is indicated, camera direct printing is disabled.
Paper Source	Indicates the tray that is used for camera direct printing.
Layout	Indicates the number of images printed on a single sheet of media. If 1-up is indicated, only one image will be printed on a single sheet of media.
Paper Margin	Indicates the size of the media margins (area that is not printed in). If Standard is indicated, the standard media margin size is specified. If Minimum is indicated, the media margins are reduced.
Brightness	Indicates the brightness of the printed image.
Contrast	Indicates the contrast of the image.

Item	Description
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.
Glossy Mode	Shows the setting for whether or not Glossy Mode is enabled. When Glossy Mode is enabled, pages can be printed with a glossy finish.
RGB Source	Indicates the color space for RGB image data. If Device Color is indicated, the device profile of this printer is used.
RGB Intent	Indicates the characteristic applied when converting RGB image data to CMYK data. If Vivid is indicated, a vivid output is produced. If Photographic is indicated, a brighter output is produced.
RGB Gray Treatment	Indicates how black and grays are reproduced in RGB image data. If Composite Black is indicated, black is reproduced using the CMYK colors. If Black And Gray is indicated, black and gray are reproduced using black only. If Black Only is indicated, black is reproduced using only black.
Halftone	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.

Font/Form

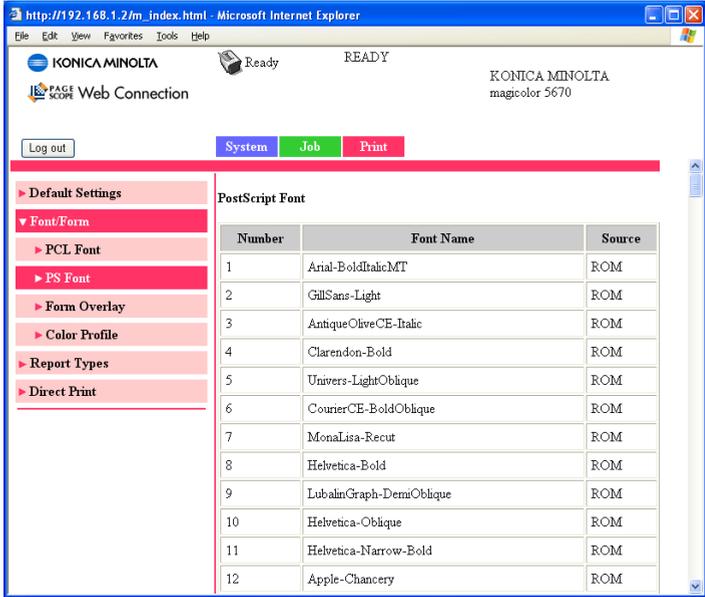
PCL Font



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.

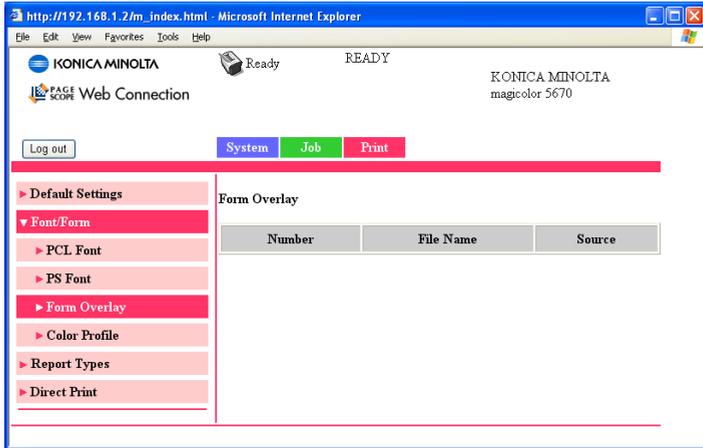
PS Font



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.

Color Profile

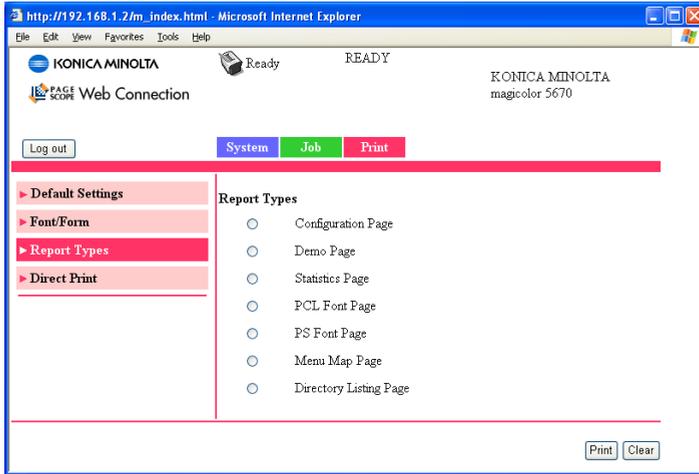
The screenshot shows a web browser window with the URL `http://192.168.1.2/m_index.html`. The page is titled 'Color Profile' and contains a table of color profiles. The left sidebar has a menu with 'Color Profile' selected. The table lists 7 profiles with their respective file names, profile names, classes, color spaces, and sources.

Number	File Name	Profile Name	Class	Color Space	Source
1	sRGB	sRGB	Display Device	RGB	ROM
2	AppleRGB	AppleRGB	Display Device	RGB	ROM
3	AdobeRGB1998	AdobeRGB1998	Display Device	RGB	ROM
4	ColorMatchRGB	ColorMatchRGB	Display Device	RGB	ROM
5	BlueAdjustRGB	BlueAdjustRGB	Input Device	RGB	ROM
6	SWOP	SWOP	Output Device	CMYK	ROM
7	Euroscale	Eurocolor	Output Device	CMYK	ROM

The **Print - Font/Form - Color Profile** page allows you to check the list of color profiles that the printer manages.

Item	Description
Number	Displays the control number of the color profile.
File Name	Displays the file name of the color profile.
Profile Name	Displays the name of the color profile.
Class	Displays the type of color profile.
Color Space	Displays the color space for the color profile.
Source	Displays the storage source of the color profile.

Report Types



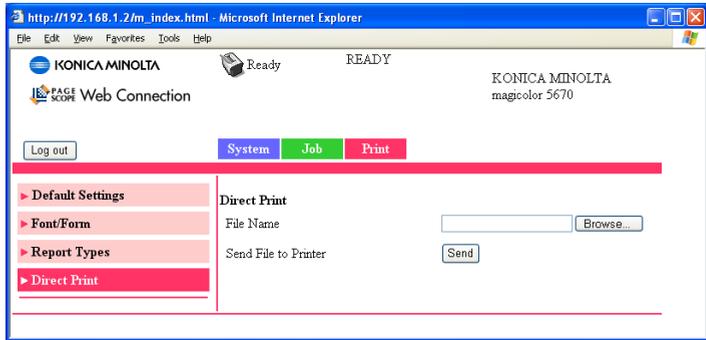
The **Print - Report Types** window provides the following information.

Item	Description
Configuration Page	Prints the printer configuration page.
Demo Page	Prints the printer demo 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.  <i>This menu item appears only if a hard disk kit or a CompactFlash card is installed.</i>
Print button	Sends the page to the printer.
Clear button	Cancel the selected settings.

Direct Print



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



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



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, TIF, JPEG and XPS.

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 226 for instructions on logging into Administrator Mode.

System Page

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



The screenshot shows the PageScope Web Connection interface in Microsoft Internet Explorer. The browser address bar displays `http://192.168.1.2/ta_index.html`. The page header includes the Konica Minolta logo, a 'Ready' status indicator, and the text 'READY KONICA MINOLTA magicolor 5670'. Below the header is a navigation bar with tabs for 'System', 'Job', 'Print', and 'Network'. A 'Log out' button is located on the left side of the navigation bar.

The main content area is divided into two sections. On the left is a vertical navigation menu with the following items:

- ▼ Device Information
 - ▶ Summary
 - ▶ Paper Source
 - ▶ Output Tray
 - ▶ Storage
 - ▶ Interface Information
 - ▶ Consumables
- ▶ Counter
- ▶ Online Assistance
- ▶ Import/Export
- ▶ Authentication
- ▶ Date/Time
- ▶ Admin Password
- ▶ Machine Settings
- ▶ ROM Version
- ▶ Maintenance
- ▶ Status Notification Settings

The right section is titled 'Device Status' and features a printer icon. To the right of the icon, the following information is displayed:

- Administrator Name
- Device Name
- Device Location
- Device Information
- Engine Serial Number A0EA012902016

Below this information is a table of device specifications:

Memory:	1024 (MB)
HDD:	Not Installed
Memory Card:	2745 (MB)
Duplex:	Installed
Paper Source:	Tray1,Tray2,Tray3,Tray4
Output Tray:	MainTray,SubTray
Finisher:	Installed
Network:	Ethernet 10Base-T/100Base-TX/1000Base-T

Device Information

Summary (shown previous)

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

Item	Description
Printer name/status	<p>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.</p> <p> <i>The status display allows you to remotely identify possible printer problems, such as out of paper and out of toner.</i></p>
Device Status (Product image)	<p>Identifies the type of printer that you are browsing.</p> <p>The printer is pictured in the illustration with all installed options.</p>
Memory	<p>Displays the amount of memory installed in the printer.</p>
HDD	<p>If an optional hard disk kit is installed in the printer, displays the size of the hard disk kit.</p> <p>If no optional hard disk kit is installed in the printer, displays "Not Installed".</p>
Memory Card	<p>If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card.</p> <p>If no optional CompactFlash card is installed in the printer, displays "Not Installed".</p>
Duplex	<p>Identifies whether the optional duplex unit (Duplex Option) is "Installed" or "Not Installed".</p>
Paper Source	<p>Identifies the paper feed units (Tray1, Tray2, Tray3 or Tray4) installed on the printer.</p> <p> <i>Tray3 and Tray4 appear only if the optional lower feeder units are installed.</i></p>
Output Tray	<p>Identifies the output trays (Main Tray, Sub Tray) installed on the printer.</p> <p> <i>Sub Tray appears only if the optional staple finisher is installed.</i></p>

Item	Description
Finisher	Identifies whether the staple finisher is “Installed” or “Not Installed”.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

Paper Source

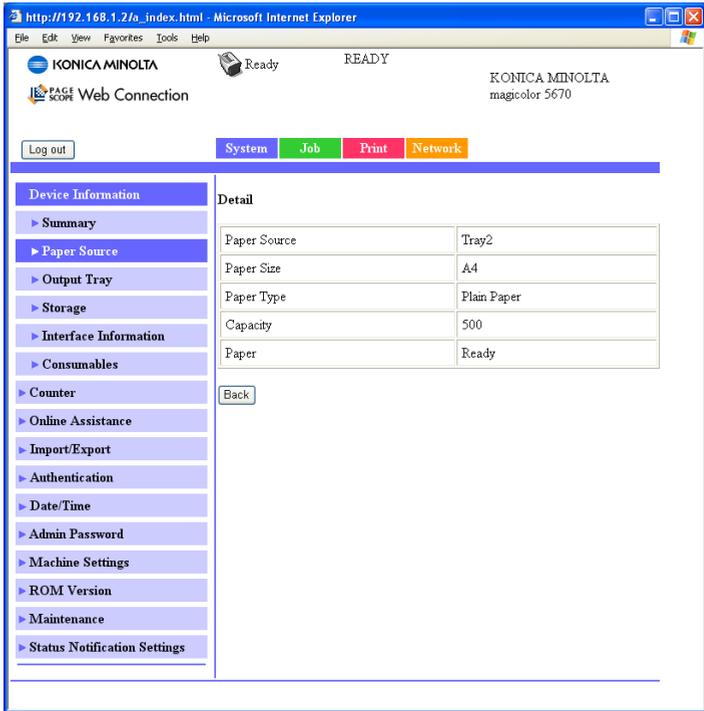
The screenshot shows a web browser window displaying the Konica Minolta printer's configuration page. The page title is "Paper Source". On the left, there is a navigation menu with options like "Device Information", "Summary", "Paper Source", "Output Tray", "Storage", "Interface Information", "Consumables", "Counter", "Online Assistance", "Import/Export", "Authentication", "Date/Time", "Admin Password", "Machine Settings", "ROM Version", "Maintenance", and "Status Notification Settings". The main content area shows a table with the following data:

Paper Source	Paper Size	Paper Type	Paper	
Tray1	Custom Size	Plain Paper	Empty	Detail
Tray2	A4	Plain Paper	Ready	Detail
Tray3	A4	Plain Paper	Ready	Detail
Tray4	A4	Plain Paper	Ready	Detail

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” 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.

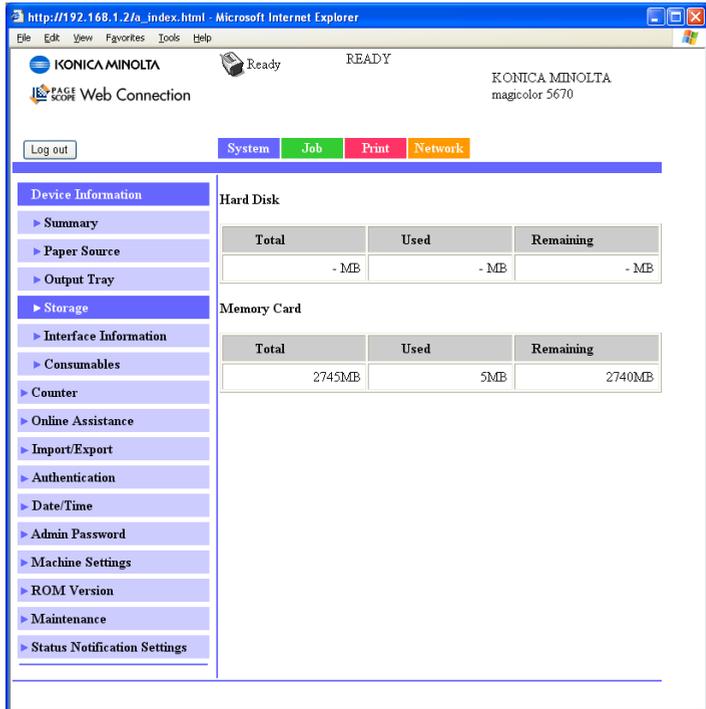
Output Tray



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

Item	Description
Tray	Displays the names of the output trays (Main Tray, Sub Tray).  <i>Sub Tray appears only if the optional staple finisher is installed.</i>
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 displayed, IPv6 is enabled. If Disable is selected, IPv6 is disabled.
	Bonjour	If Enable is displayed, Bonjour is enabled. If Disable is displayed, Bonjour is disabled.
	FTP	If Enable is displayed, FTP is enabled. If Disable is selected, FTP is disabled.

Item	Description	
	Dynamic DNS	If Enable is displayed, 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 displayed, LPD is enabled. If Disable is selected, LPD is disabled.
	RAW Port	If Enable is displayed, RAW Port is enabled. If Disable is selected, RAW Port is disabled.
	SLP	If Enable is displayed, SLP is enabled. If Disable is selected, SLP is disabled.
	SMTP	If Enable is displayed, SMTP is enabled. If Disable is selected, SMTP is disabled.
	SNMP	If Enable is displayed, SNMP is enabled. If Disable is selected, SNMP is disabled.
	WSD Print	If Enable is displayed, 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 displayed, IEEE802.1x is enabled. If Disable is selected, IEEE802.1x is disabled.
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.

Item	Description
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

Consumables	Status	TYPE
Cyan Toner Cartridge	90%	High
Magenta Toner Cartridge	96%	High
Yellow Toner Cartridge	76%	High
Black Toner Cartridge	91%	High
Cyan Imaging Unit	75%	
Magenta Imaging Unit	76%	
Yellow Imaging Unit	76%	
Black Imaging Unit	73%	
Transfer Belt	96%	
Transfer Roller	100%	
Fuser Unit	97%	
Waste Toner Bottle	Ready	
Staple	Ready	

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

Item	Description
Consumables	Identifies the type of consumable that is being monitored.
Status	<p>Indicates the remaining life of the consumables.</p> <ul style="list-style-type: none"> ■ Toner Cartridge, Imaging Unit, Transfer Belt, Transfer Roller, Fuser Unit: Percentage ■ Waste Toner Bottle: Ready, Near Full, or Full ■ Staple: Ready, Empty <p> <i>Staple appears only if the optional staple finisher is installed.</i></p>
TYPE	<p>Identifies the type of Toner Cartridge.</p> <ul style="list-style-type: none"> ■ Starter, Standard, High

Counter

The screenshot shows the 'System - Counter' window of a Konica Minolta printer. The browser window title is 'http://192.168.1.2/a_index.html - Microsoft Internet Explorer'. The printer status is 'READY'. The printer model is 'KONICA MINOLTA magicolor 5670'. The page has a navigation bar with 'Log out', 'System', 'Job', 'Print', and 'Network' buttons. A left sidebar contains a menu with items like 'Device Information', 'Counter', 'Online Assistance', 'Import/Export', 'Authentication', 'Date/Time', 'Admin Password', 'Machine Settings', 'ROM Version', 'Maintenance', and 'Status Notification Settings'. The main content area is titled 'Counter' and contains three tables: 'Pages Printed', 'Sheets Printed by Paper Size', and 'Sheets Printed by Paper Type'.

Pages Printed			
	Monochrome	Full Color	Total
Total Pages	2	4	6
Duplex Pages	0	0	0
Normalized Pages	2	4	6

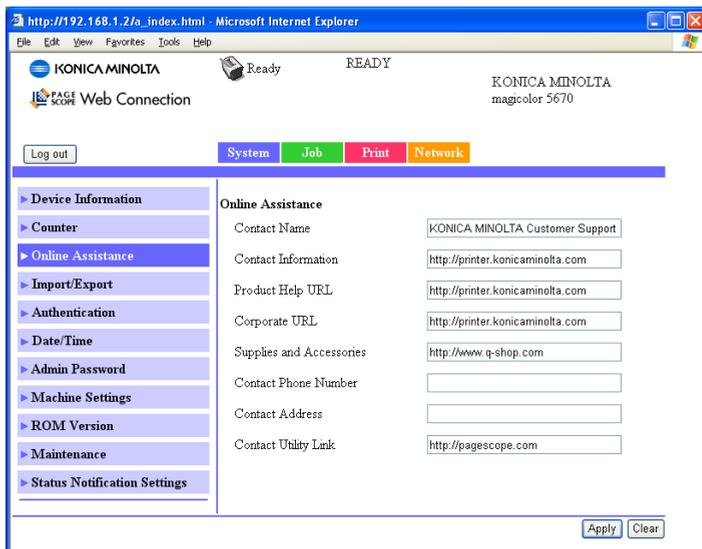
Sheets Printed by Paper Size	
	Total
Legal	0
Letter	1
A4	6
B5(JIS)	0
A5	0
Custom Size	0
Other	0

Sheets Printed by Paper Type	
	Total
Plain Paper	7
Recycled	0
Thick 1	0
Thick 2	0
Label	0
Transparency	0
Envelope	0
Postcard	0
Letterhead	0
Glossy 1	0
Glossy 2	0

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

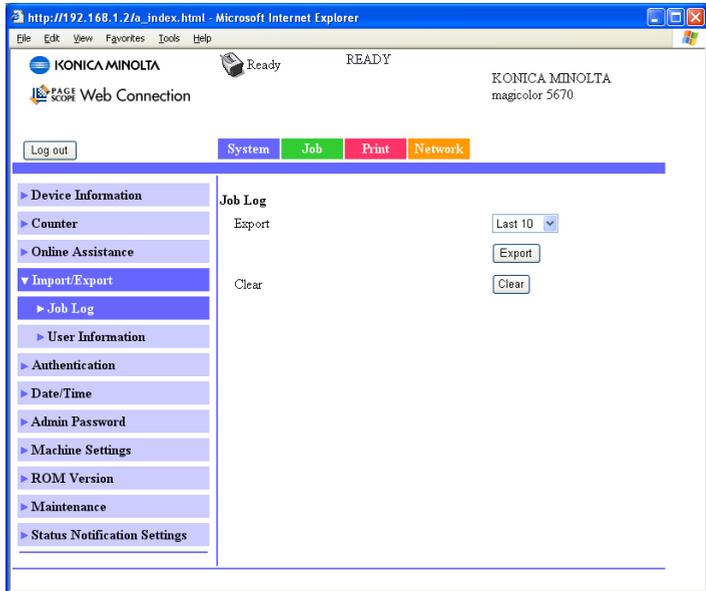
Item	Description
Supplies and Accessories	Sets the web address where you can purchase printer supplies and accessories. Range: Up to 127 characters Default: http://www.q-shop.com
Contact Phone Number	Specifies the telephone number of the printer administrator. Range: Up to 31 characters Default: [Blank]
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
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

Import/Export



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

Job Log



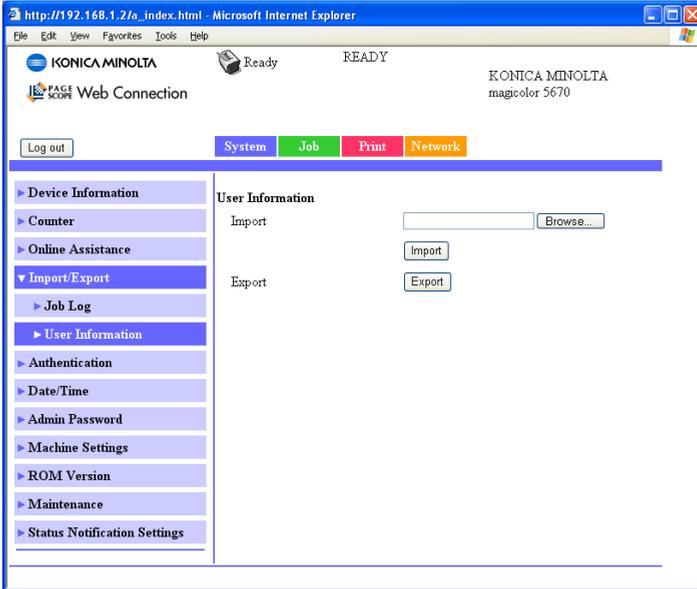
The **System - Import/Export - Job Log** window allows you to configure the following items.



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.

Default Permission Settings



This page appears only if **Public Access** is set to **Allow** (in the **Network - Authentication - User Authentication** page).



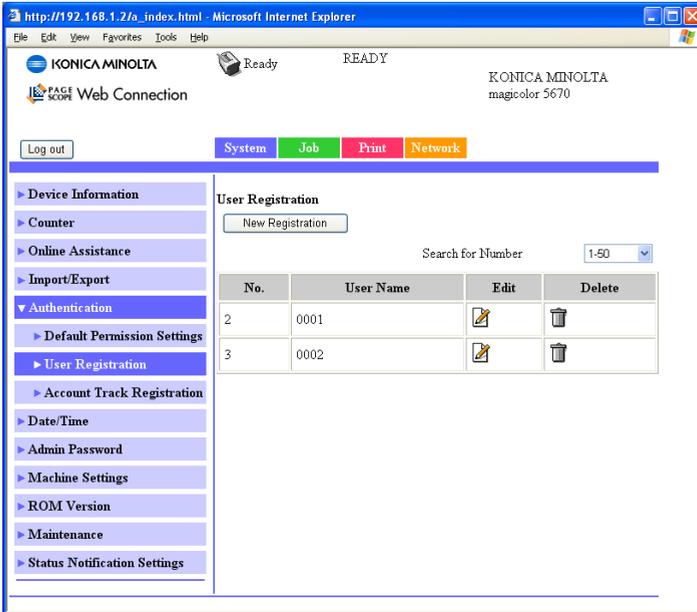
The **System - Authentication - Default Permission Settings** window allows you to configure the following items.

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



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



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.) to be registered.
User Name	Shows the user name to be registered.
Edit icon	The information for the user to be registered can be edited.
Delete icon	The user to be registered can be deleted.
New Registration button	Registers a new user.

User Registration (New Registration)

The screenshot shows a web browser window with the URL `http://192.168.1.2/a_index.html`. The page title is "KONICA MINOLTA" and the status bar shows "Ready" and "READY". The page content includes a navigation menu with options like "Log out", "System", "Job", "Print", and "Network". The "System" menu is expanded, showing "User Registration" as the selected option. The "User Registration" form contains the following fields and options:

- No.:** 4
- User Name:** [Text input field]
- User Password:** [Text input field]
- Retype User Password:** [Text input field]
- Account Name:** [Text input field]
- Function Permission:** Print (Allow)
- Output Permission:** Color (Allow), Black (Allow)

Buttons at the bottom of the form are "Apply", "Clear", and "Cancel".

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] <i>A user name that already exists cannot be specified.</i> <i>"Public" cannot be specified as the user name.</i>
	User Password	Specify the password of the new user. Range: Up to 64 characters Default: [Blank] <i>The User Password box can be left blank.</i>
	Retype User Password	Type in the new password again for confirmation. Range: Up to 64 characters Default: [Blank]

Item	Description	
	Account Name	<p>Specify the account that the user belongs to.</p> <p>Range: Up to 8 characters Default: [Blank]</p> <p> 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.</p> <p> This menu item appears only when both User Authentication and Account Track Authentication & Account Track are set to On and Synchronize User Synchronize (in the Network - Authentication - User Authentication page).</p>
Function Permission	Print	<p>Select whether or not the new user is permitted to print.</p> <p>Choices: Allow, Restrict Default: Allow</p>
Output Permission	Color	<p>Select whether or not the new user is permitted to print in color.</p> <p>Choices: Allow, Economy Print Mode Only, Restrict Default: Allow</p>
	Black	<p>Select whether or not the new user is permitted to print in black and white.</p> <p>Choices: Allow, Restrict Default: Allow</p>
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



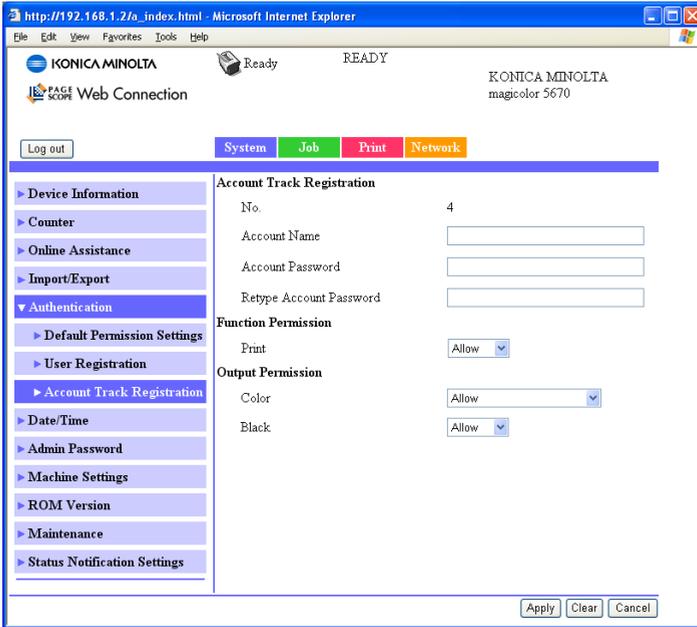
This page appears only if **Account Track** is set to **On** (in the **Network - Authentication - User Authentication** page).



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.) to be registered.
Account Name	Shows the account name to be registered.
Edit icon	The information for the account to be registered can be edited.
Delete icon	The account to be registered can be deleted.
New Registration button	Registers a new account.

Account Track Registration (New Registration)



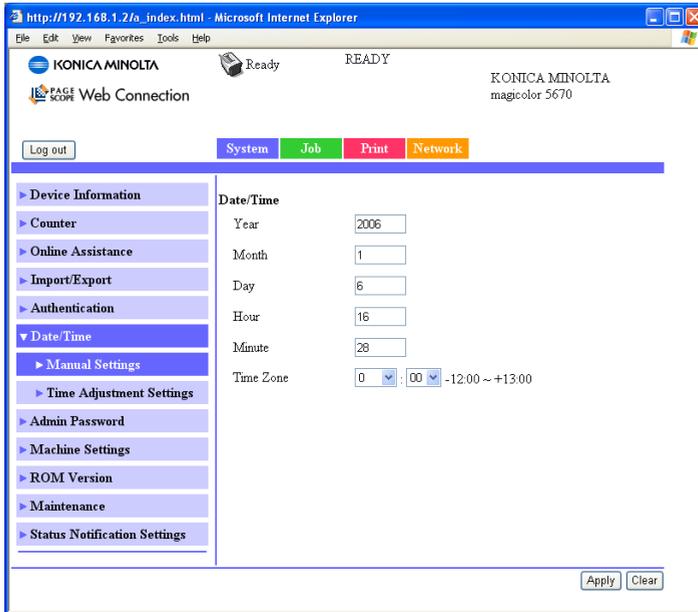
The **System - Authentication - Account Track Registration - New Registration** window allows you to configure the following items.

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]  <i>An account name that already exists cannot be specified.</i>
	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
Output Permission	Color	Select whether or not the new account is permitted to print in color. Choices: Allow, Economy Print Mode Only, Restrict Default: Allow
	Black	Select whether or not the new account is permitted to print in black and white. 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

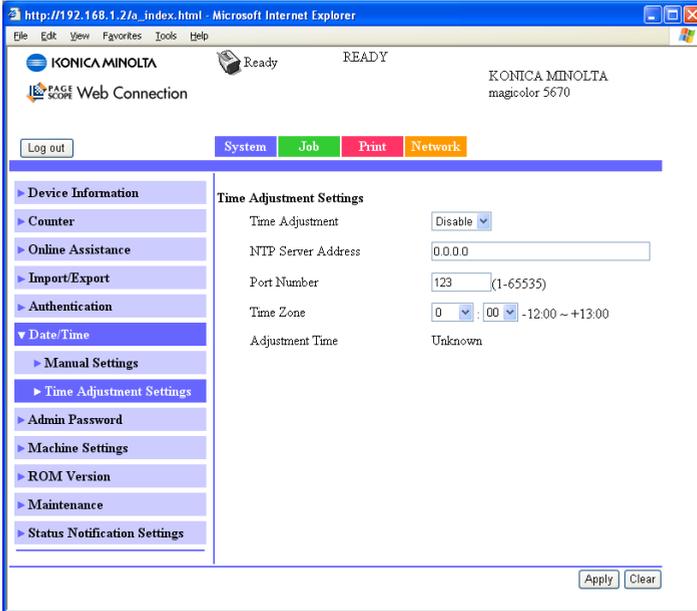


The **System - Date/Time - Manual Settings** window allows you to configure the following items:

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
Hour	Specifies the hour for the printer's internal clock. Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME

Item	Description
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

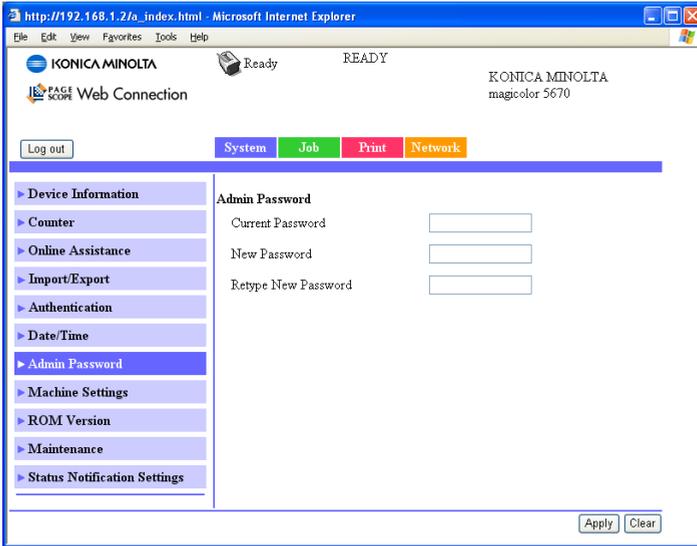


The **System - Date/Time - Time Adjustment Settings** window allows you to configure the following items:

Item	Description
Time Adjustment	Select whether or not the time is automatically adjusted with NTP. Choices: 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:

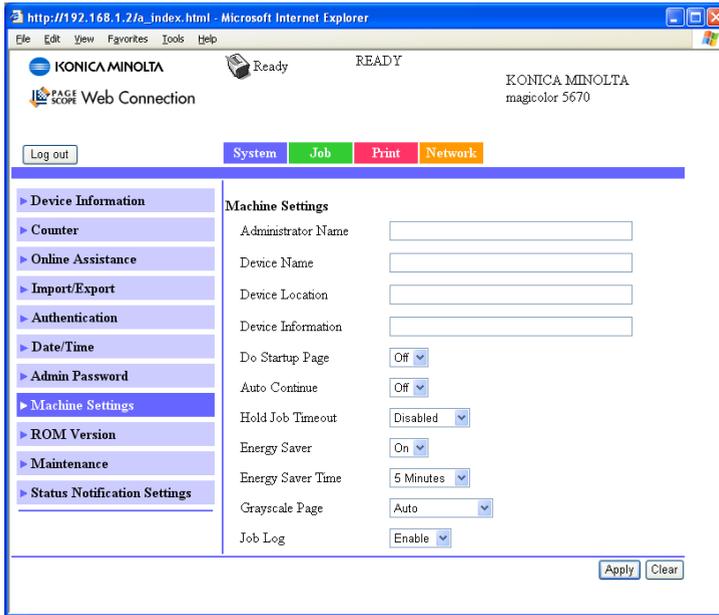
Item	Description
Current Password	Type in the current password. Range: Up to 16 characters Default: [Blank]
New Password	Sets a new password to enter Administrator Mode. Range: Up to 16 characters Default: [Blank]  Passwords can be set to any string of numbers and letters (uppercase and lowercase) up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

Item	Description
Retype Password	<p>Verifies the new password typed in the New Password text box.</p> <p>Range: Up to 16 characters Default: [Blank]</p> <p> <i>If the password typed in three text boxes doesn't match, the following message displays when you choose the Apply button: "Please retype the correct password." Click OK button, and then retype the passwords in both text boxes.</i></p>
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 PRINTER** menu to reset the password (and all other network configuration choices) to administrator.*

Machine Settings



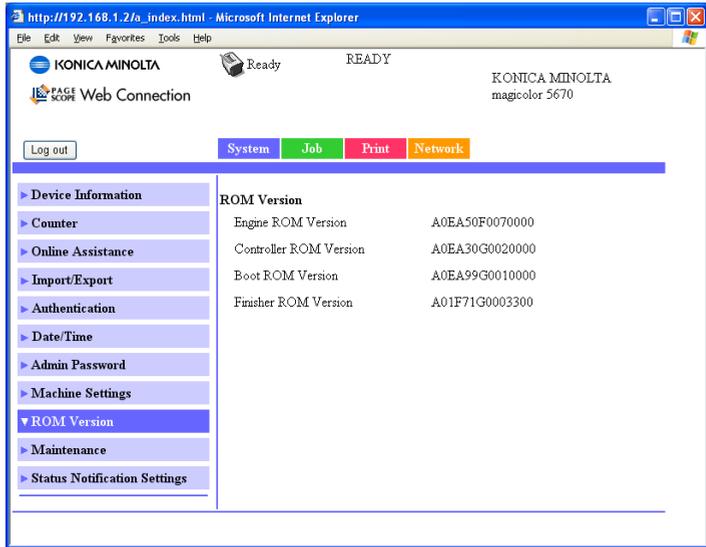
The **System - Machine Settings** window allows you to configure the following items:

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 for the printer. Range: Up to 127 characters Default: [Blank]

Item	Description
Do Startup Page	<p>Selects whether or not a startup page is printed when the printer is turned on.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: SYS DEFAULT MENU - STARTUP OPTIONS - DO STARTUP PAGE</p>
Auto Continue	<p>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.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: SYS DEFAULT MENU - AUTO CONTINUE</p>
Hold Job Timeout	<p>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.</p> <p>Choices: Disabled, One Hour, Four Hours, One Day, One Week Default: Disabled Configuration Menu Equivalent: SYS DEFAULT MENU - HOLD JOB TIMEOUT</p> <p> <i>This menu item appears only if the optional hard disk kit is installed.</i></p>
Energy Saver	<p>If On is selected, the machine will enter Energy Saver mode.</p> <p>If Off is selected, the machine will not enter Energy Saver mode.</p> <p>Choices: On, Off Default: On Configuration Menu Equivalent: SYS DEFAULT MENU - ENERGY SAVER</p>

Item	Description
Energy Saver Time	<p>Specifies the length of time until the machine enters Energy Saver mode.</p> <p>This menu item appears only when Energy Saver is set to On.</p> <p>Choices: 5 Minutes, 6 Minutes, 7 Minutes, 8 Minutes, 9 Minutes, 10 Minutes, 11 Minutes, 12 Minutes, 13 Minutes, 14 Minutes, 15 Minutes, 30 Minutes, 1 Hours, 3 Hours</p> <p>Default: 5 Minutes (magicolor 5670EN) 15 Minutes (magicolor 5650EN)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - ENERGY SAVER TIME</p>
Grayscale Page	<p>Specify the operation to be performed for black-and-white pages in a job specified for color printing.</p> <p>If Auto is selected, printing is automatically performed according to the first page of the job.</p> <p>If Grayscale Print is selected, black-and-white printing is automatically performed depending on each page.</p> <p>If Color Print is selected, color printing is performed, even for a black-and-white page.</p> <p>Choices: Auto, Grayscale Print, Color Print Default: Auto</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - GRAYSCALE PAGE</p>
Job Log	<p>Select whether or not the Job Log function is used.</p> <p>Choices: Enable, Disable Default: Disable</p> <p> <i>This menu item appears only if a hard disk kit or a CompactFlash card is installed.</i></p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

ROM Version

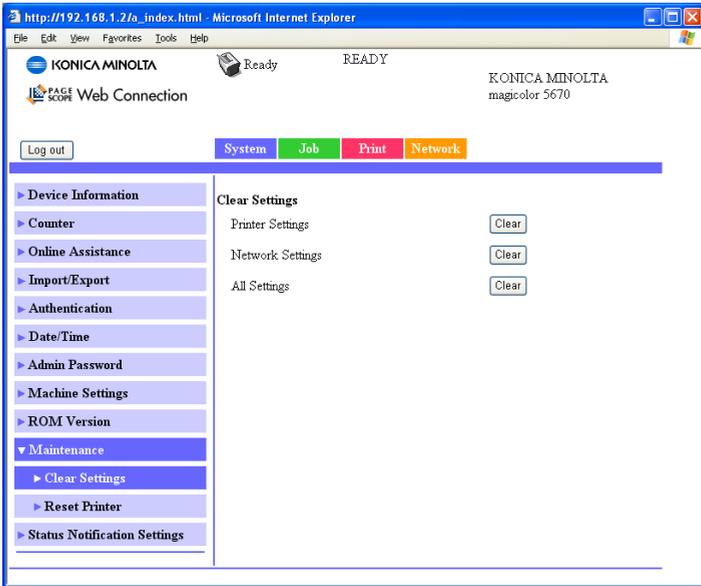


The **System - ROM Version** window provides the following information.

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.
Finisher ROM Version	Displays the ROM version of the staple finisher.
	 <i>This menu item appears only if the optional staple finisher is installed.</i>

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

http://192.168.1.2/a_index.html - Microsoft Internet Explorer

KONICA MINOLTA Ready READY KONICA MINOLTA magicolor 5670

Web Connection

Log out System Job Print Network

Status Notification Settings

IP Address

Notification Address

Port Number(1-65535) (1-65535)

Community Name

IPX Address

Notification Address

Node Address

Community Name

Email Address

Email Notice

Notification Address

Alert

Paper Empty

Paper Jam

Maintenance

Toner Out

Output Tray Full

Fuser Unit End

Operator Call

Service Call

Job Complete

Job Error

Apply Clear

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

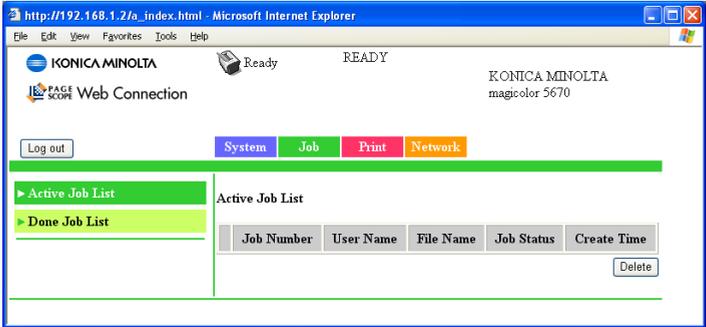
Item		Description
IP Address	Notification Address	Specify the IP address of the SNMP trap receiver. An IPv4 or IPv6 address or a host name can be specified. Range: Up to 63 characters Default: 0.0.0.0
	Port Number(1-65535)	Specify the port number of the SNMP trap. Range: 1 - 65535 Default: 162
	Community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

Item		Description
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
	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
	Fuser Unit End	Specifies whether or not a notification is sent when the fuser unit has reached the end of its service life. 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

Item		Description
	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.

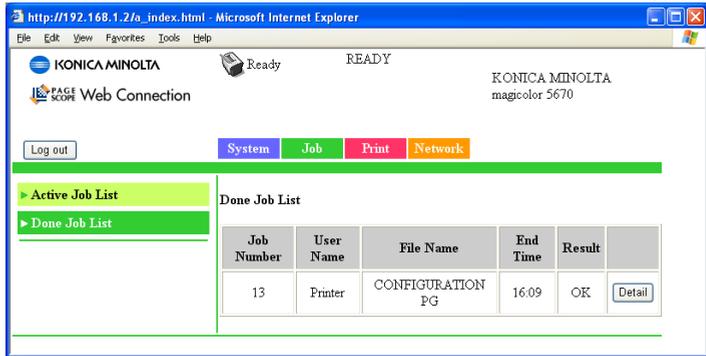


Active Job List

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, Abort or Pending).
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.

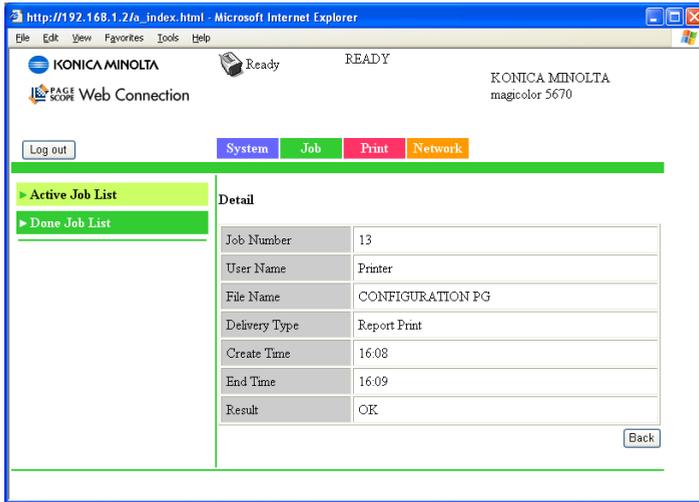
Done Job List



The **Job - Done Job List** window provides the following information for up to 50 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)



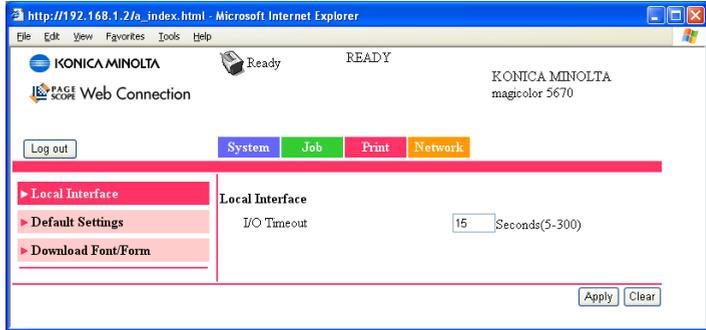
The **Job - Done Job List - Detail** window provides the following information for the selected job.

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 (Print, Print and Hold, Proof then Print, IPP Print, Secure Job, Time Print or Report Print).
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

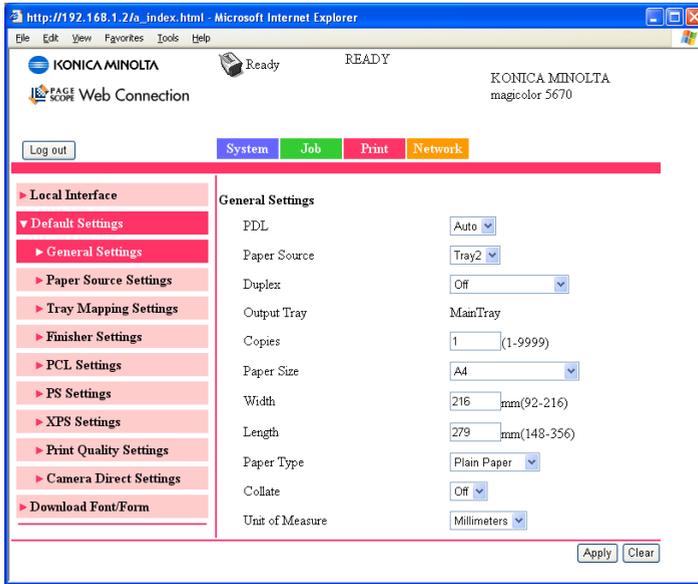


The **Print - Local Interface** window allows you to configure the following items:

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:

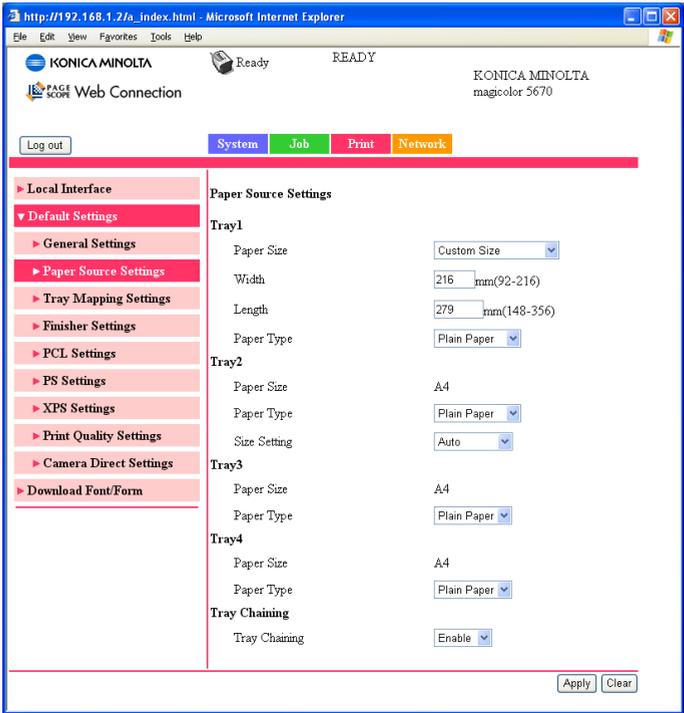
Item	Description
PDL	<p>Selects default language to be selected.</p> <p>Choices: Auto, PCL, PS Default: Auto Configuration Menu Equivalent: SYS DEFAULT MENU - EMULATION - DEF. EMULATION</p>
Paper Source	<p>The paper tray that is normally used can be specified.</p> <p>Choices: Tray1, Tray2, Tray3, Tray4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

Item	Description
Duplex	<p>If Long-Edge Binding is selected, the pages will be printed on both sides of the paper for long-edge binding.</p> <p>If Short-Edge Binding is selected, the pages will be printed on both sides of the paper for short-edge binding.</p> <p>Choices: Off, Short-Edge Binding, Long-Edge Binding</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: PAPER MENU - DUPLEX</p> <p> <i>This menu item appears only if the optional duplex unit (Duplex Option) is installed.</i></p>
Output Tray	<p>Displays the name of the output trays (Main Tray, Sub Tray).</p> <p> <i>Sub Tray appears only if the optional staple finisher is installed.</i></p>
Copies	<p>Specifies the default setting for number of copies to be printed.</p> <p>Range: 1-9999</p> <p>Default: 1</p> <p>Configuration Menu Equivalent: PAPER MENU - COPIES</p>

Item	Description
Paper Size	<p>Specifies the default setting for the size of paper.</p> <p>Choices: Letter, Legal, Executive, A4, A5, A6, B5 (JIS), B6, Government Letter, Statement, Folio, SP Folio, UK Quarto, Foolscap, Government Legal, 16K, Photo 4x6, Kai 16, Kai 32, Envelope C5, Envelope C6, Envelope DL, Envelope Monarch, Envelope Chou #3, Envelope Chou #4, B5 (ISO), Envelope Com10, Envelope You #4, Japanese Postcard, Japanese Postcard-D, Custom Size</p> <p>Default: Letter (U.S. model) A4 (Other model)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER SIZE</p> <p>Depending on the setting selected for Unit of Measure, Photo 4x6 may change to Photo 10x15.</p>
Width	<p>Specifies the paper width when Paper Size is set to Custom Size.</p> <p>Range: 3.63 - 8.50 (inch) / 92 - 216 (mm)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - WIDTH</p>
Length	<p>Specifies the paper length when Paper Size is set to Custom Size.</p> <p>Range: 5.83 - 14.00 (inch) / 148 - 356 (mm)</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - CUSTOM SIZE - LENGTH</p>

Item	Description
Paper Type	<p>Specifies the default setting for the type of paper.</p> <p>Choices: Plain Paper, Recycled, Thick 1, Thick 2, Label, Transparency, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER TYPE</p>
Collate	<p>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.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: PAPER MENU - COLLATE</p> <p> <i>This menu item appears only if a hard disk kit or a CompactFlash card of 1 GB or more is installed.</i></p>
Unit of Measure	<p>The unit for specifying the size of custom paper can be specified between inches and millimeters.</p> <p>Choices: Inches, Millimeters</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - UNIT OF MEASURE</p>
Image Rotation	<p>If On is selected, the image is rotated 180 degrees before each copy is fed out. If Off is selected, the image is not rotated.</p> <p>Choices: On, Off</p> <p>Default: On</p> <p>Configuration Menu Equivalent: PAPER MENU - IMAGE ROTATION</p> <p> <i>This menu item appears only if the optional staple finisher is not installed.</i></p>
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	<p>Specifies the setting for the size of paper loaded into Tray 1.</p> <p>Choices: Any, Letter, Legal, Executive, A4, A5, A6, B5 (JIS), B6, Government Letter, Statement, Folio, SP Folio, UK Quarto, Foolscap, Government Legal, 16K, Photo 4x6, Kai 16, Kai 32, Envelope C5, Envelope C6, Envelope DL, Envelope Monarch, Envelope Chou #3, Envelope Chou #4, B5 (ISO), Envelope Com10, Envelope You #4, Japanese Postcard, Japanese Postcard-D, Custom Size</p> <p>Default: Letter (U.S. model) A4 (Other model)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER SIZE</p> <p>Depending on the setting selected for Print - Default Settings - General Settings - Unit of Measure, Photo 4x6 may change to Photo 10x15.</p>

Item	Description	
	Width	<p>Specifies the paper width when Paper Size is set to Custom Size.</p> <p>Range: 3.63 - 8.50 (inch) / 92 - 216 (mm)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - WIDTH</p>
	Length	<p>Specifies the paper length when Paper Size is set to Custom Size.</p> <p>Range: 5.83 - 14.00 (inch) / 148 - 356 (mm)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - LENGTH</p>
	Paper Type	<p>Specifies the setting for the type of paper loaded into Tray 1.</p> <p>Choices: Any, Plain Paper, Recycled, Thick 1, Thick2, Label, Transparency, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER TYPE</p>
Tray2 (500 sheet tray)	Paper Size	<p>Specifies the setting for the size of paper loaded into Tray 2.</p> <p>Default: Letter (U.S. model) A4 (other model)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER SIZE</p>

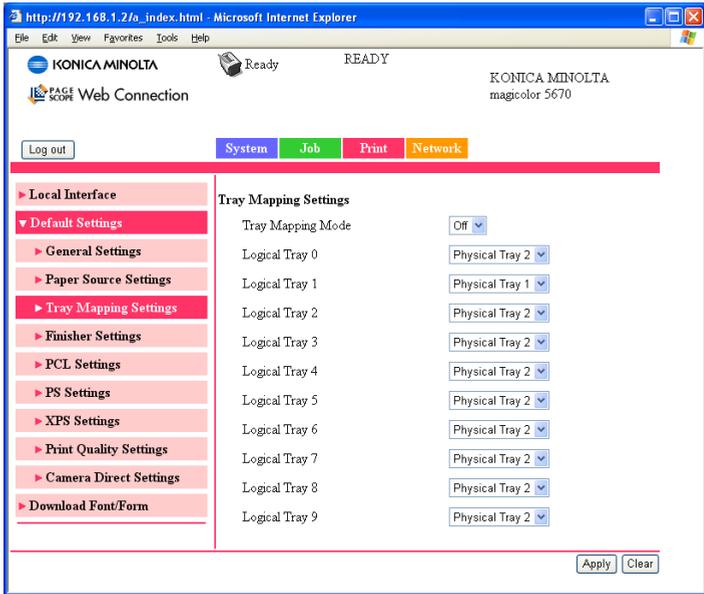
Item	Description	
	Paper Type	<p>Specifies the setting for the type of paper loaded into Tray 2.</p> <p>Choices: Any, Plain Paper, Recycled Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER TYPE</p>
Tray2 (250 sheet tray)	Paper Size	<p>Specifies the setting for the size of paper loaded into Tray 2.</p> <p>Choices: Any, Letter, Executive, A4, A5, A6, B5 (JIS), B6, Government Letter, Statement, UK Quarto, 16K, Photo 4x6, Kai 16, Kai 32, Envelope C5, Envelope C6, Envelope DL, Envelope Monarch, Envelope Chou #3, Envelope Chou #4, B5 (ISO), Envelope Com10, Envelope You #4, Japanese Postcard, Japanese Postcard-D, Custom Size</p> <p>Default: Letter (U.S. model)/ A4 (other model)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER SIZE</p> <p>Depending on the setting selected for Print - Default Settings - General Settings - Unit of Measure, Photo 4x6 may change to Photo 10x15.</p> <p> <i>If AUTO is selected from the SIZE SETTING menu, the printer automatically detects the paper size; Letter, Executive, A4, B5 (JIS) and Japanese Postcard.</i></p>

Item	Description	
	Width	<p>Specifies the paper width when Paper Size is set to Custom Size.</p> <p>Range: 3.63 - 8.50 (inch)/92 - 216 (mm)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - WIDTH</p>
	Length	<p>Specifies the paper length when Paper Size is set to Custom Size.</p> <p>Range: 5.83 - 11.69 (inch)/ 148 - 297 (mm)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - CUSTOM SIZE - LENGTH</p>
	Paper Type	<p>Specifies the setting for the type of paper loaded into Tray 2.</p> <p>Choices: Any, Plain Paper, Recycled, Thick 1, Thick 2, Label, Transparency, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER TYPE</p>
	Size Settings	<p>Specifies whether the paper size for Tray 2 is automatically detected or set by a user.</p> <p>Choices: Auto, User Select</p> <p>Default: Auto</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - SIZE SETTING</p>

Item		Description
Tray3 This item appears only if the 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
	Paper Type	Specifies the setting for the type of paper loaded into Tray 3. Choices: Any, Plain Paper, Recycled Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY3 - PAPER TYPE
Tray4 This item appears only if the 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
	Paper Type	Specifies the setting for the type of paper loaded into Tray 4. Choices: Any, Plain Paper, Recycled Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY4 - PAPER TYPE

Item		Description
Tray Chaining	Tray Chaining	<p>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.</p> <p>If Disable is selected and the specified paper tray runs out of paper, printing stops.</p> <p>Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY CHAINING</p>
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 provides the following information.

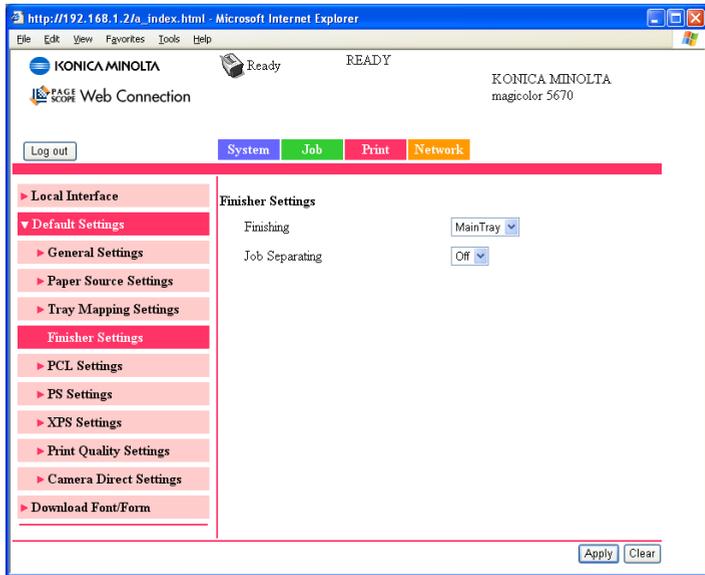
Item	Description
Tray Mapping Mode	Select whether or not the Tray Mapping function is used. Choices: On, Off Default: Off Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY MAPPING - TRAY MAPPING MODE

Item	Description
Logical Tray 0-9	<p>Select the tray that is used for printing when a print job is received from another manufacturer's printer driver.</p> <p>The default setting for Logical Tray 1 is Physical Tray1. The default setting for all other trays is Physical Tray2.</p> <p>Choices: Physical Tray1, Physical Tray2, Physical Tray3, Physical Tray4</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY MAPPING - LOGICAL TRAY0 - 9</p> <p> <i>Physical Tray3 and Physical Tray4 appear only if an optional lower feeder unit is installed.</i></p>
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 the optional staple finisher is installed.

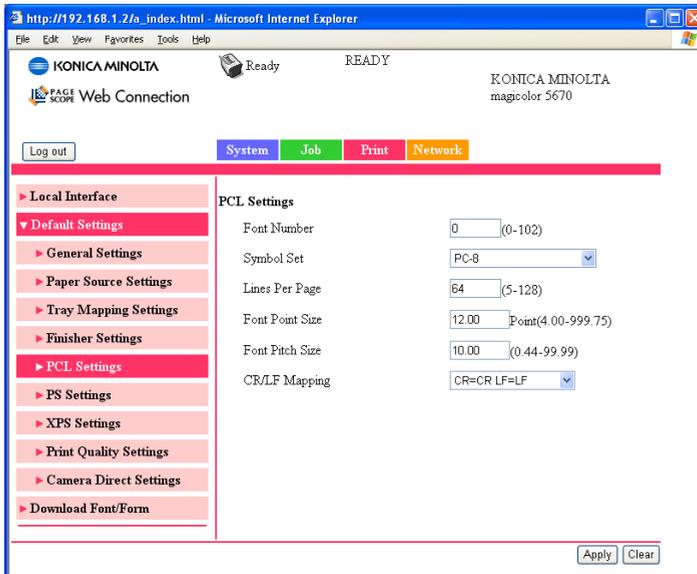


The **Print - Default Settings - Finisher Settings** window provides the following information.

Item	Description
Finishing	<p>When Sub Tray is selected, the paper is fed to the sub output tray.</p> <p>When Main Tray is selected, the paper is fed to the main output tray.</p> <p>When Offset is selected, the paper is fed to the main output tray with each copy slightly shifted.</p> <p>When Stapling is selected, each copy is stapled and fed to the main output tray.</p> <p>Choices: Sub Tray, Main Tray, Offset, Stapling Default: Main Tray Configuration Menu Equivalent: PAPER MENU - FINISHING</p>

Item	Description
Job Separating	The paper is fed to the main 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.
Clear button	Resets all configuration settings to previous values.

PCL Settings

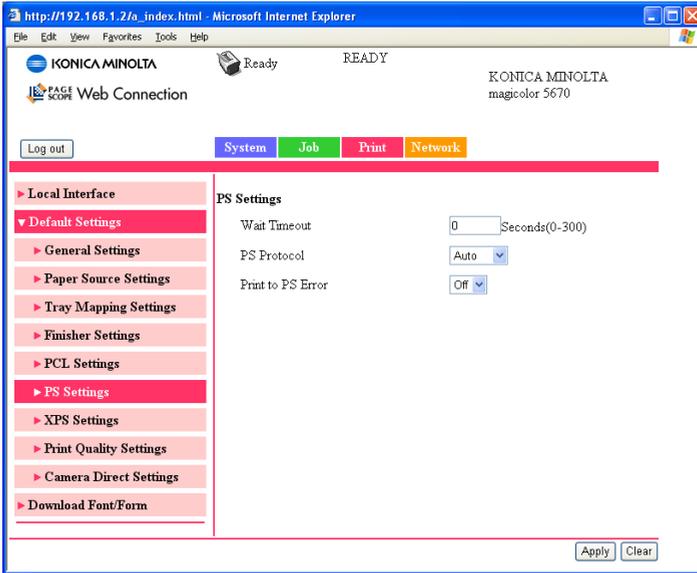


The **Print - Default Settings - PCL Settings** window allows you to configure the following items:

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

Item	Description
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
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

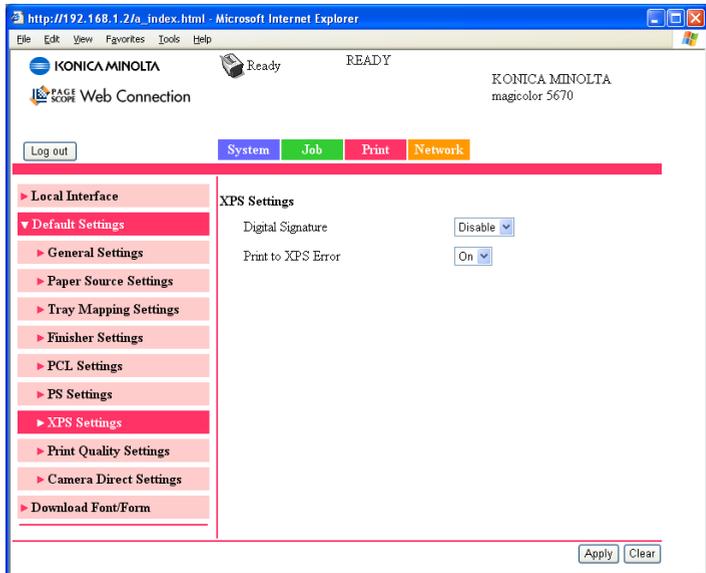


The **Print - Default Settings - PS Settings** window allows you to configure the following items:

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

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



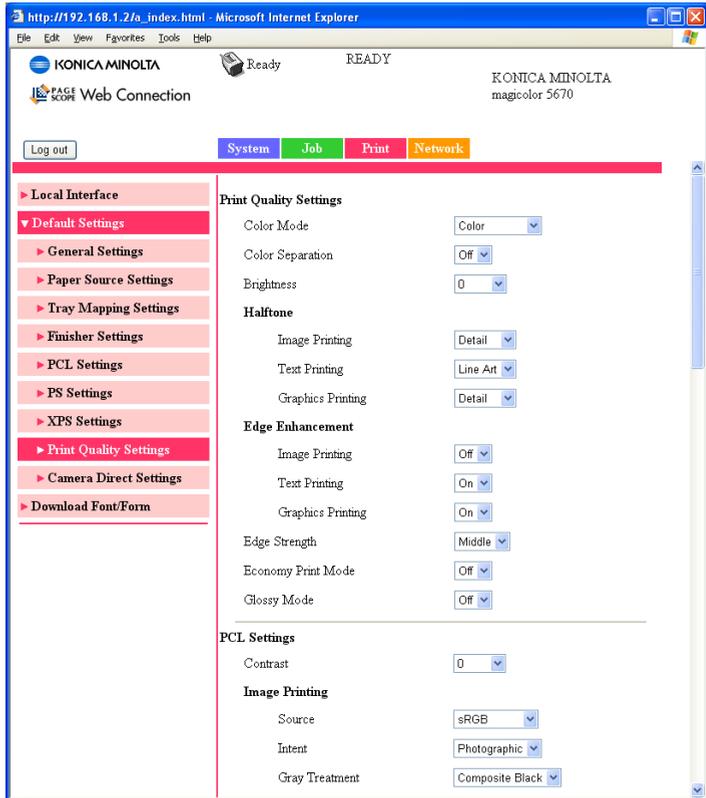
The **Print - Default Settings - XPS Settings** window allows you to configure the following items:



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
Print Quality Settings	<p>Color Mode</p> <p>If Color is selected, the pages are printed in full color. If Monochrome is selected, the pages are printed in black and white.</p> <p>Choices: Color, Monochrome Default: Color Configuration Menu Equivalent: QUALITY MENU - COLOR MODE</p>

Item	Description
	<p>Color Separation</p> <p>If On is selected, color separation is performed. If Off is selected, color separation is not performed.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: QUALITY MENU - COLOR SEPARATION</p>
	<p>Brightness</p> <p>Specifies the brightness of the printed image.</p> <p>Choices: +15%, +10%, +5%, 0, -5%, -10%, -15% Default: 0 Configuration Menu Equivalent: QUALITY MENU - BRIGHTNESS</p>
Halftone (Image/Text/Graphics Printing)	<p>Specifies how halftones are reproduced.</p> <p>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.</p> <p>Choices: Line Art, Detail, Smooth Default: Detail (Image/Graphics) Line Art (Text) Configuration Menu Equivalent: QUALITY MENU - HALFTONE - IMAGE/TEXT/GRAPHICS PRINTING</p>

Item	Description
Edge Enhancement (Image/Text/ Graphics Printing)	<p>Select whether image/text/graphics edges are emphasized.</p> <p>If On is selected, the edges are emphasized.</p> <p>If Off is selected, the edges are not emphasized.</p> <p>Choices: On, Off Default: Off (Image) On (Text / Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - EDGE ENHANCEMENT - IMAGE/ TEXT/GRAPHICS PRINTING</p>
Edge Strength	<p>Select the desired amount that edges are emphasized.</p> <p>If Off is selected, the edges are not emphasized.</p> <p>If Low is selected, the edges are slightly emphasized.</p> <p>If Middle is selected, the edges are emphasized by an average amount.</p> <p>If High is selected, the edges are highly emphasized.</p> <p>Choices: Off, Low, Middle, High Default: Middle</p> <p>Configuration Menu Equivalent: QUALITY MENU - EDGE STRENGTH</p>

Item	Description	
	Economy Print Mode	<p>Select whether to print graphics with a reduced density by reducing the amount of toner that is used.</p> <p>When Economy Print Mode is enabled, the amount of toner used is reduced when printing many drawings.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: QUALITY MENU - ECONOMY PRINT</p> <p> <i>If Glossy Mode is set to On, the amount of toner used is not reduced when printing, even if On was selected for this menu.</i></p>
	Glossy Mode	<p>Select whether to relax the limitations on the amount of toner used in order to widen the color reproduction range and produce glossy prints.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: QUALITY MENU - GLOSSY MODE</p> <p> <i>If On is selected, the amount of toner used is not reduced when printing, even if Economy Print Mode is set to On.</i></p>
PCL Settings	Contrast	<p>Specifies the contrast of the image.</p> <p>Choices: +15%, +10%, +5%, 0, -5%, -10%, -15% Default: 0 Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - CONTRAST</p>

Item	Description
Image/Text/ Graphics Printing (Source)	<p>Specifies the color space for RGB data.</p> <p>Choices: Device Color, sRGB Default: sRGB Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB SOURCE</p>
Image/Text/ Graphics Printing (Intent)	<p>Specifies the color intent to be used on conversion RGB to CMYK by printer.</p> <p>Choices: Vivid, Photographic Default: Photographic (Image) Vivid (Text/Graphics) Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB INTENT</p>
Image/Text/ Graphics Printing (Gray Treatment)	<p>Specifies the method to reproduce RGB black and gray.</p> <p>Choices: Composite Black, Black and Gray, Black Only Default: Composite Black (Image) Black and Gray (Text/Graphics) Configuration Menu Equivalent: QUALITY MENU - PCL SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB GRAY</p>

Item		Description
PS Settings	Image/Text/ Graphics Printing (RGB Source)	<p>Specifies the color space for RGB data.</p> <p>Choices: Device Color, sRGB, AppleRGB, AdobeRGB1998, ColorMatchRGB, BlueAdjustRGB, Custom Profile</p> <p>Default: sRGB</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB SOURCE</p>
	Image/Text/ Graphics Printing (RGB Intent)	<p>Specifies the color intent to be used on conversion RGB to CMYK by printer.</p> <p>Choices: Vivid, Photographic, Relative Color, Absolute Color</p> <p>Default: Photographic (Image) Vivid (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB INTENT</p>
	Image/Text/ Graphics Printing (RGB Gray Treatment)	<p>Specifies the method to reproduce RGB black and gray.</p> <p>Choices: Composite Black, Black and Gray, Black Only</p> <p>Default: Composite Black (Image) Black and Gray (Text/Graphics)</p> <p>Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - RGB GRAY</p>

Item	Description
Image/Text/ Graphics Printing (Destination Profile)	<p>Specifies the ICC destination profile to be used for printed output.</p> <p>Choices: Auto, Custom Profile Default: Auto Configuration Menu Equivalent: QUALITY MENU - PS SETTING - IMAGE/TEXT/ GRAPHICS PRINTING - DESTINATION PROF</p>
Simulation (Profile)	<p>Specifies the specific ICC simulation profile to be used for printed output.</p> <p>Choices: None, SWOP, Euroscale, CommercialPress, TOYO, DIC, Custom Profile Default: None Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - SIMULATION PROF</p>
Simulation (Intent)	<p>Specifies the simulation intent to be used for simulation printing.</p> <p>Choices: Relative Color, Absolute Color Default: Relative Color Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - SIMULATION INTENT</p>
Simulation (CMYK Gray Treatment)	<p>Specifies the method to reproduce CMYK black and gray for simulation printing.</p> <p>Choices: Composite Black, Black and Gray, Black Only Default: Composite Black Configuration Menu Equivalent: QUALITY MENU - PS SETTING - SIMULATION - CMYK GRAY</p>

Item		Description
Calibration Settings	Tone Calibration	<p>If On is indicated, image adjustments are applied. If Off is indicated, image adjustments are not applied.</p> <p>Choices: On, Off Default: On Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - TONE CALIBRATION</p>
	Cyan/Magenta/ Yellow/Black Density (Highlight)	<p>Specifies the density of the highlight color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3 Default: 0 Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/ MAGENTA/YELLOW/BLACK - HIGHLIGHT</p>
	Cyan/Magenta/ Yellow/Black Density (Middle)	<p>Specifies the density of the middle color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3 Default: 0 Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/ MAGENTA/YELLOW/BLACK - MIDDLE</p>
	Cyan/Magenta/ Yellow/Black Density (Shadow)	<p>Specifies the density of the shadow color.</p> <p>Choices: +3, +2, +1, 0, -1, -2, -3 Default: 0 Configuration Menu Equivalent: QUALITY MENU - CALIBRATION - CMYK DENSITY - CYAN/ MAGENTA/YELLOW/BLACK - SHADOW</p>
Apply button		Applies the configuration settings for this window.

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

Camera Direct Settings



The **Print - Default Settings - Camera Direct Settings** allows you to configure the following items:

Item	Description
Camera Direct Print	<p>If Enable is selected, camera direct printing is enabled. If Disable is selected, camera direct printing is disabled.</p> <p>Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - CAMERA DIRECT</p>
Paper Source	<p>Specifies the tray that is used for camera direct printing.</p> <p>Choices: Tray1, Tray2, Tray3, Tray4 Default: Tray2 Configuration Menu Equivalent: CAMERA DIRECT - PAPER SOURCE</p> <p> Tray3 and Tray4 appear only if the optional lower feeder units are installed.</p>
Layout	<p>Specifies the number of images printed on a single sheet of media.</p> <p>If 1-up is selected, only one image will be printed on a single sheet of media.</p> <p>Choices: 1-up, 2-up, 3-up, 4-up, 6-up, 8-up Default: 1-up Configuration Menu Equivalent: CAMERA DIRECT - LAYOUT</p>
Paper Margin	<p>Specifies the size of the media margins (area that is not printed in).</p> <p>If Standard is selected, the standard media margin size is specified. If Minimum is selected, the media margins are reduced.</p> <p>Choices: Standard, Minimum Default: Standard Configuration Menu Equivalent: CAMERA DIRECT - PAPER MARGIN</p>
Brightness	<p>Specifies the brightness of the printed image.</p> <p>Choices: -15%, -10%, -5%, 0, +5%, +10%, +15% Default: 0 Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - BRIGHTNESS</p>

Item	Description
Contrast	<p>Specifies the contrast of the image.</p> <p>Choices: -15%, -10%, -5%, 0, +5%, +10%, +15%</p> <p>Default: 0</p> <p>Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - CONTRAST</p>
Economy Print Mode	<p>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.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - ECONOMY PRINT</p> <p> <i>If Glossy Mode is set to On, the amount of toner used is not reduced when printing, even if On was selected for this menu.</i></p>
Glossy Mode	<p>Select whether to relax the limitations on the amount of toner used in order to widen the color reproduction range and produce glossy prints.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - GLOSSY MODE</p> <p> <i>If On is selected, the amount of toner used is not reduced when printing, even if Economy Print Mode is set to On.</i></p>
RGB Source	<p>Specifies the color space for RGB image data. If Device Color is selected, the device profile of this printer is used.</p> <p>Choices: Device Color, sRGB</p> <p>Default: sRGB</p> <p>Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - RGB SOURCE</p>

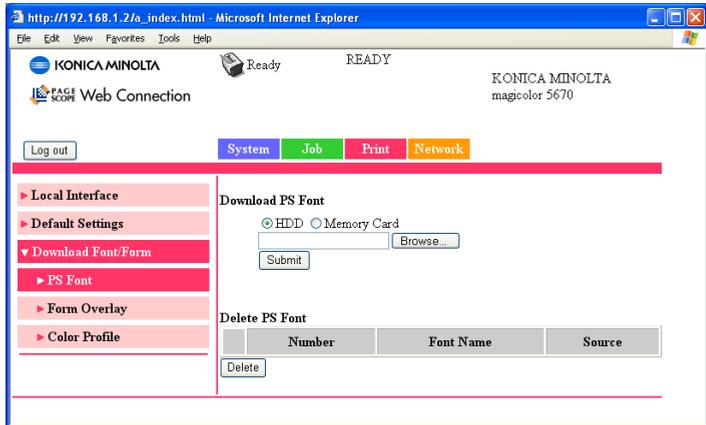
Item	Description
RGB Intent	<p>Specifies the characteristic applied when converting RGB image data to CMYK data.</p> <p>If Vivid is selected, a vivid output is produced.</p> <p>If Photographic is selected, a brighter output is produced.</p> <p>Choices: Vivid, Photographic Default: Photographic Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - RGB INTENT</p>
RGB Gray Treatment	<p>Specifies how black and grays are reproduced in RGB image data.</p> <p>If Composite Black is selected, black is reproduced using the CMYK colors.</p> <p>If Black And Gray is selected, black and gray are reproduced using black only.</p> <p>If Black Only is selected, black is reproduced using only black.</p> <p>Choices: Composite Black, Black and Gray, Black Only Default: Composite Black Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - RGB GRAY</p>
Halftone	<p>Specifies how halftones are reproduced.</p> <p>If Line Art is selected, halftones are reproduced with high precision.</p> <p>If Detail is selected, halftones are reproduced with detail.</p> <p>If Smooth is selected, halftones are reproduced with smoothness.</p> <p>Choices: Line Art, Detail, Smooth Default: Detail Configuration Menu Equivalent: CAMERA DIRECT - IMAGE QUALITY - HALFTONE</p>
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



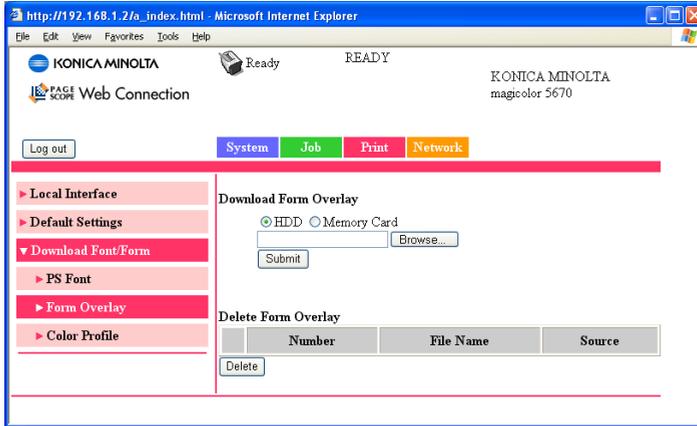
The printer must have an optional hard disk kit or CompactFlash card to use the PS Font parameters described below.

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.
Delete PS Font	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.

Item	Description
Delete button	Deletes the PostScript font file(s) whose check boxes the left end are checked.

Form Overlay

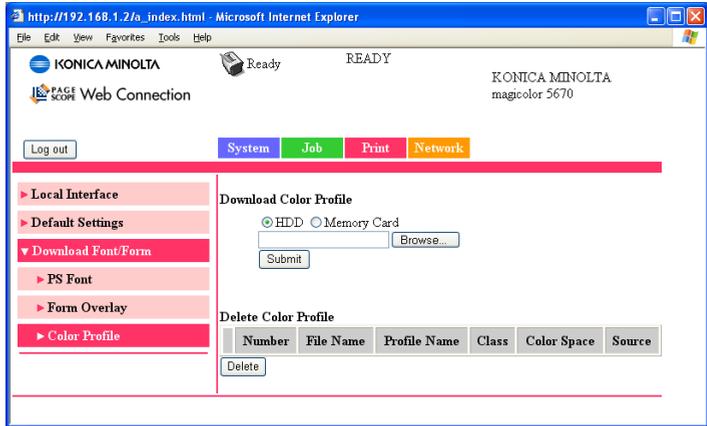


The **Print - Download Font/Form - Form Overlay** window allows you to configure the following items:

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.
	Submit button	Sends the specified form overlay file to the printer.
Delete Form Overlay	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.

Item	Description
Delete button	Deletes the PostScript font file(s) whose check boxes the left end are checked.

Color Profile



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

Item	Description	
Download Color Profile	Radio button	Specifies the download destination (HDD/ Memory Card) of the color profile.
	Text box	Specifies the file name for the color profile to be downloaded.
	Browse button	Displays a dialog box for browsing to the color profile file.
	Submit button	Sends the specified color profile file to the printer.
Delete Color Profile	Check box	Select the check box of the color profile file to be deleted, and then click Delete to delete the selected color profile from the printer.
	Number	Displays the control number of the color profile.
	File Name	Displays the name of the color profile.

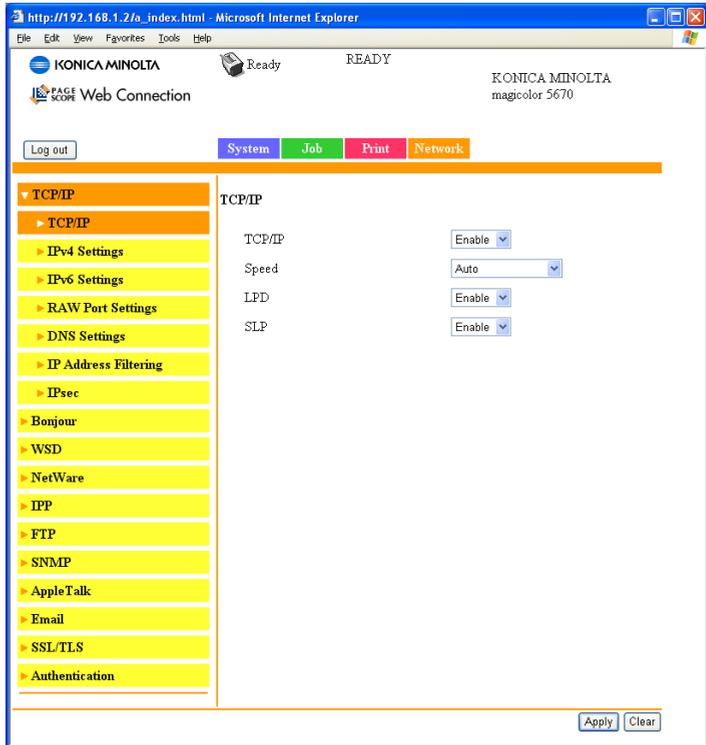
Item		Description
	Profile Name	Displays the name of the color profile.
	Class	Displays the type of color profile.
	Color Space	Displays the color space for the color profile.
	Source	Displays the storage source of the color profile.
Delete button		Deletes the PostScript font file(s) whose check boxes the left end are checked.



When Download Manager is being used, long file names cannot be specified for downloaded form PostScript fonts, overlays or color profiles. 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

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

IPv4 Settings

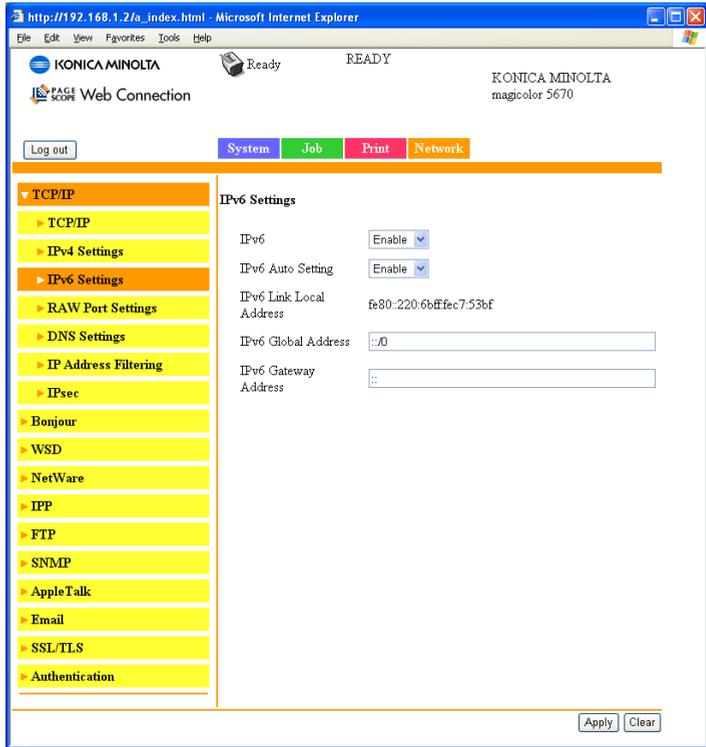


The **Network - TCP/IP - IPv4 Settings** window allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

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

Item	Description
IP Address*	<p>Sets the printer's IP address.</p> <p>Range: 0–255 for each xxx triplet Default: 0.0.0.0</p> <p> <i>If the specified IP 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.</i></p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IP ADDRESS</p>
Subnet Mask*	<p>Sets the printer's subnet mask address.</p> <p>Range: 0–255 for each xxx triplet Default: 0.0.0.0</p> <p> <i>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.</i></p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - SUBNET MASK</p>
Default Gateway*	<p>If a router is used on the network, sets the router's address.</p> <p>Range: 0–255 for each xxx triplet Default: 0.0.0.0</p> <p> <i>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.</i></p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - DEFAULT GATEWAY</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
<p>* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.</p>	

IPv6 Settings

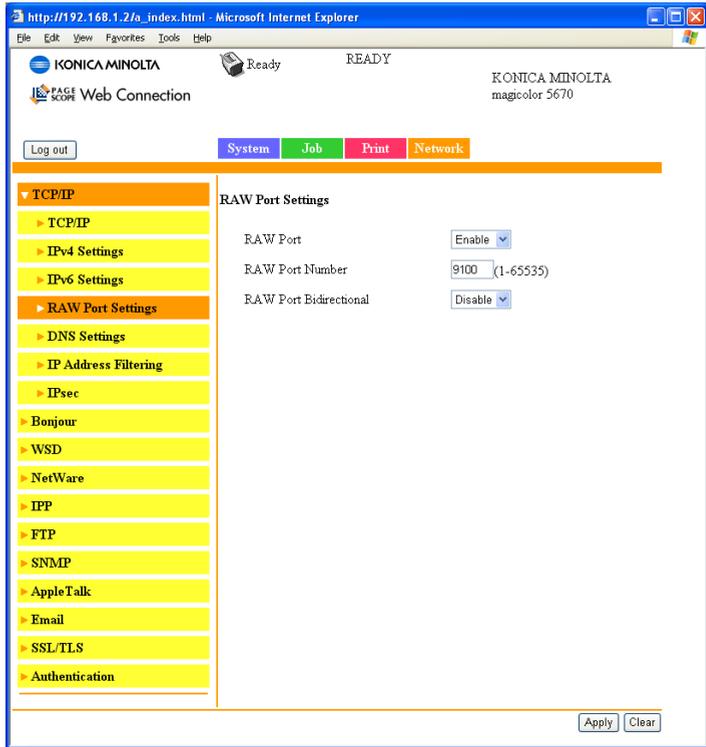


The **Network - TCP/IP - IPv6 Settings** window allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

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	<p>Displays IPv6 Link Local Address.</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IPv6 - LINK LOCAL</p>
IPv6 Global Address	<p>Specifies the IPv6 Global Address.</p> <p>Range: Up to 43 characters</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IPv6 - GLOBAL ADDRESS</p> <p> <i>When IPv6 Auto Setting is set to ENABLE, this item is not applied, even if the setting is changed.</i></p>
IPv6 Gateway Address	<p>Specifies the IPv6 Gateway Address.</p> <p>Range: Up to 39 characters</p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IPv6 - GATEWAY ADDRESS</p> <p> <i>When IPv6 Auto Setting is set to ENABLE, this item is not applied, even if the setting is changed.</i></p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

RAW Port Settings

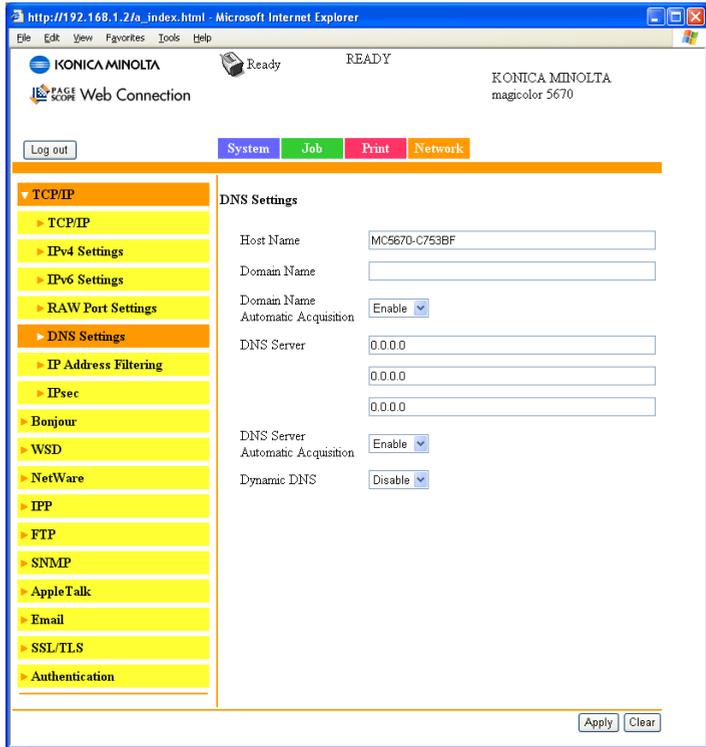


The **Network - TCP/IP - RAW Port Settings** window allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

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

Item	Description
RAW Port Bidirectional	Select whether or not the RAW Port bidirectional is used. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - 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 allows you to configure the following items. For more information on these TCP/IP, see chapter 7, “Network Printing.”

Item	Description
Host Name	<p>Specifies the host name.</p> <p>Range: Up to 63 characters Default: MC5670-xxxxxx MC5650-xxxxxx</p> <p> xxxxxx displays six last digits of the MAC address in hexadecimal.</p>
Domain Name	<p>Specifies the domain name.</p> <p>Range: Up to 63 characters Default: [Blank]</p>

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

IP Address Filtering

http://192.168.1.2/a_index.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Ready KONICA MINOLTA magicolor 5670

Log out System Job Print Network

▼ TCP/IP

- ▶ TCP/IP
- ▶ IPv4 Settings
- ▶ IPv6 Settings
- ▶ RAW Port Settings
- ▶ DNS Settings
- ▶ IP Address Filtering
- ▶ IPsec
- ▶ Bonjour
- ▶ WSD
- ▶ NetWare
- ▶ IPP
- ▶ FTP
- ▶ SNMP
- ▶ AppleTalk
- ▶ Email
- ▶ SSL/TLS
- ▶ Authentication

IP Address Filtering

Access Permission Address

-

-

-

-

-

Access Refuse Address

-

-

-

-

-

Apply Clear

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 Permis- sion Address	<p>If Enable is selected, the range of IP addresses permitted access to the printer can be specified.</p> <p>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.</p> <p>If Disable is selected, the permitted access setting is disabled.</p> <p>Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IP ADDRESS FILTER - ACCESS PERMISSION</p>
Range of IP address permit- ted access*	<p>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.</p> <p>Range: 0-255 for each xxx triplet Default: 0.0.0.0</p> <p> <i>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.</i></p> <p> <i>If the starting IP address is larger than the ending IP address, the setting is not applied.</i></p>

Item	Description
Access Refuse Address	<p>If Enable is selected, the range of IP addresses refused access to the printer can be specified.</p> <p>A maximum of five ranges of refused IP addresses can be specified.</p> <p>If Disable is selected, the refused access setting is disabled.</p> <p>Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - IP ADDRESS FILTER - ACCESS REFUSE</p>
Range of IP address refused access*	<p>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.</p> <p>Range: 0-255 for each xxx triplet Default: 0.0.0.0</p> <p> <i>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.</i></p> <p> <i>If the starting IP address is larger than the ending IP address, the setting is not applied.</i></p>
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.
<p>* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.</p>	

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	Select 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	Specifies the IKE Life Time (in seconds). Range: 80-604800 Default: 28800
IKE Diffie-Hellman Group	Selects IKE Diffie-Hellman Group. Choices: Group1, Group2 Default: Group2
IPsec SA Life Time	Specifies the IPsec SA life Time (in seconds). 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)

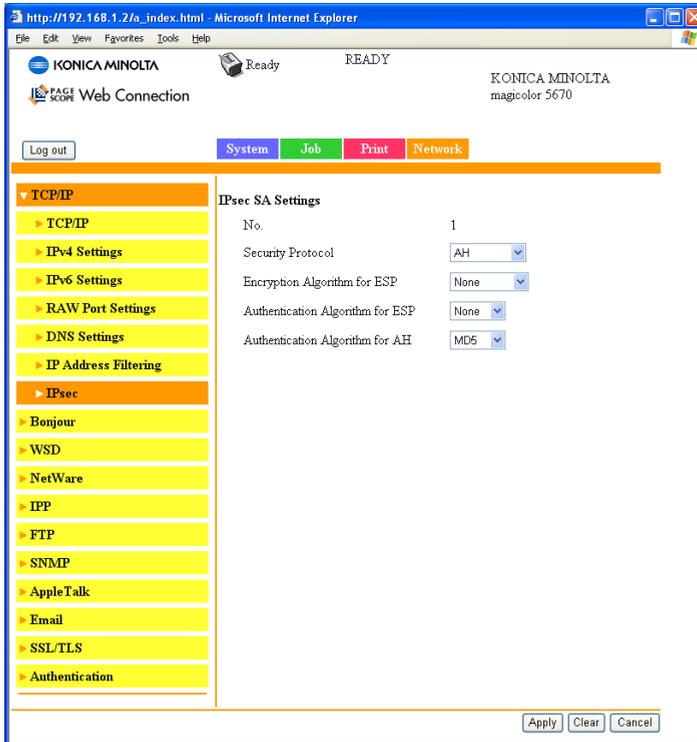


The **Network - IPsec - IKE Settings** window allows you to configure the following items.

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)

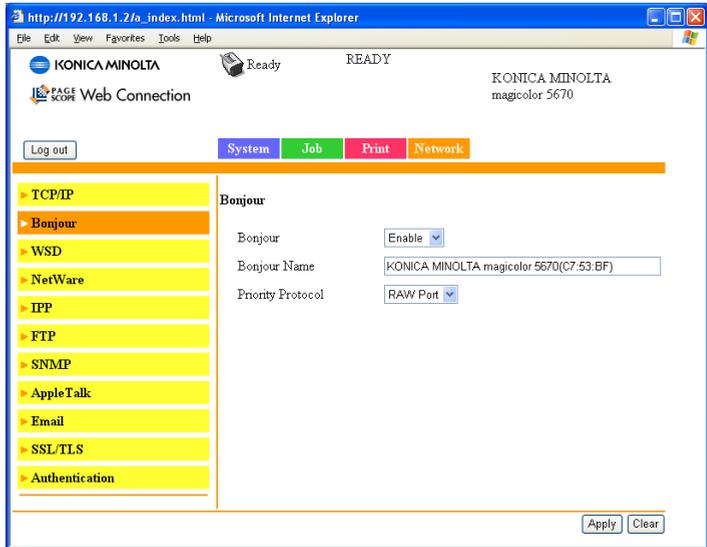


The **Network - IPsec - IPsec Peer Settings** window allows you to configure the following items.

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: Up 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

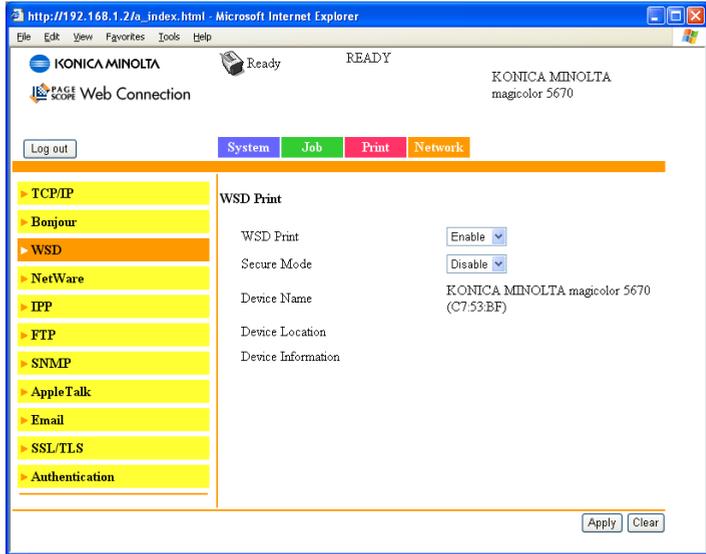


The **Network - Bonjour** page allows you to configure the following items.

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	<p>Specify the Bonjour name for the printer.</p> <p>Range: Up to 63 characters Default: KONICA MINOLTA magicolor 5670(xx:xx:xx) KONICA MINOLTA magicolor 5650(xx:xx:xx)</p> <p> <i>“xx:xx:xx” refers to the last six digits of the MAC address (in hexadecimal).</i></p>
Priority Protocol	<p>Specify the connection protocol given priority with Bonjour.</p> <p>Choices: LPD, RAW Port, IPP Default: RAW Port</p>
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.

WSD



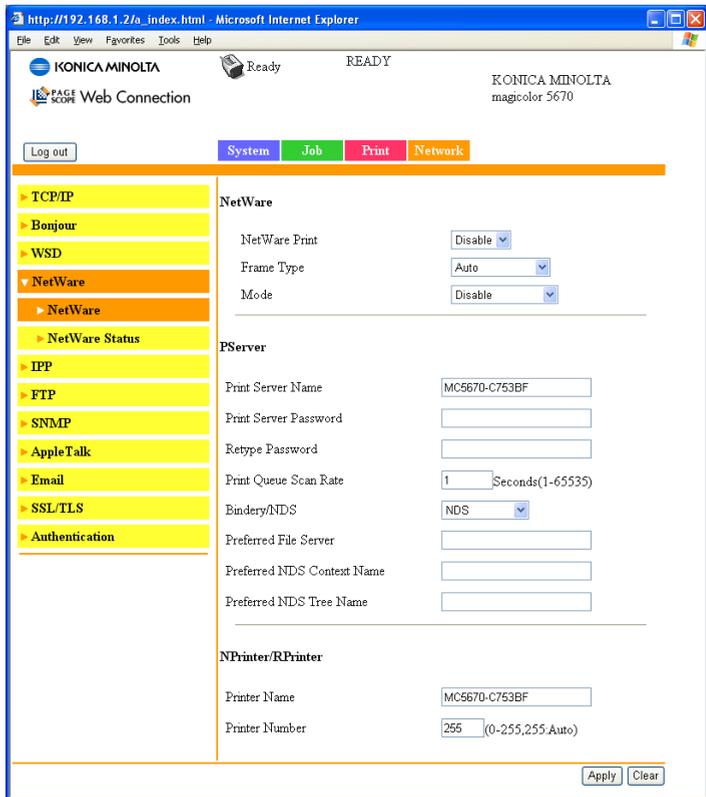
The **Network - WSD** window allows you to configure the following items:

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

Item	Description
Device Name	<p>Displays the Device name.</p> <p>Default: KONICA MINOLTA magicolor 5670(xx:xx:xx) KONICA MINOLTA magicolor 5650(xx:xx:xx)</p> <p> Specify the settings from the System - Machine Settings page.</p>
Device Location	<p>Displays the Device location.</p> <p>Default: [Blank]</p> <p> Specify the settings from the System - Machine Settings page.</p>
Device Information	<p>Displays the Device information.</p> <p>Default: [Blank]</p> <p> Specify the settings from the System - Machine Settings page.</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

NetWare

NetWare



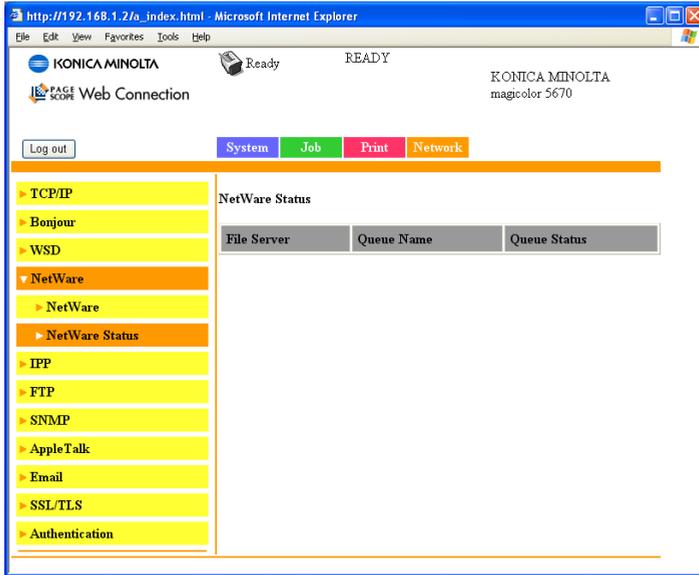
The **Network - NetWare - NetWare** window allows you to configure the following items

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

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: MC5670-xxxxxx MC5650-xxxxxx  <i>xxxxxx displays six last digits of the MAC address in hexadecimals.</i>
	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: MC5670-xxxxxx MC5650-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.

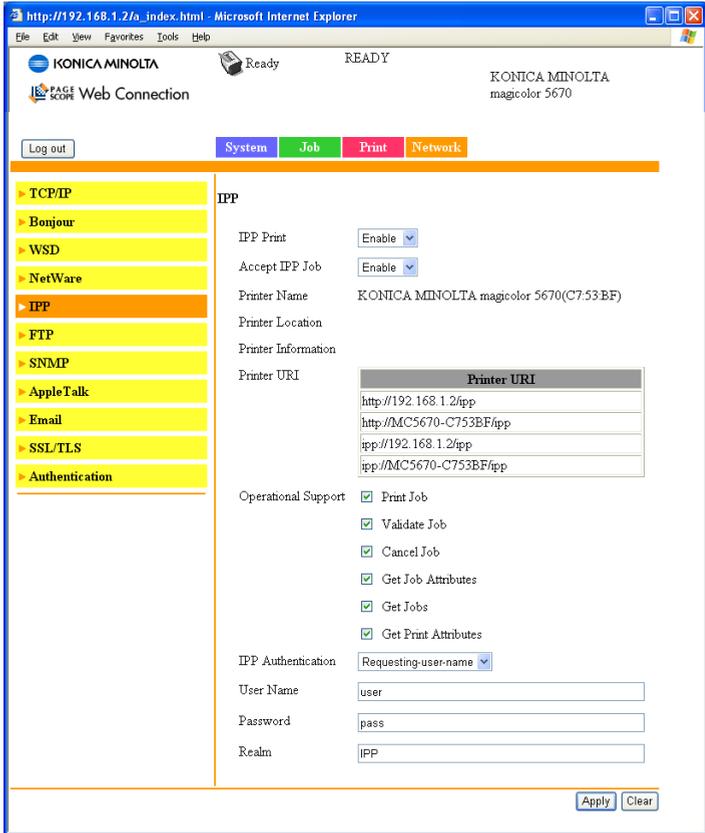
NetWare Status



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

Item	Description
File Server	Identifies current NetWare File Server.
Queue Name	Identifies current NetWare queue name.
Queue Status	Identifies 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	<p>Sets whether or not to use IPP.</p> <p>Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - IPP - ENABLE</p>

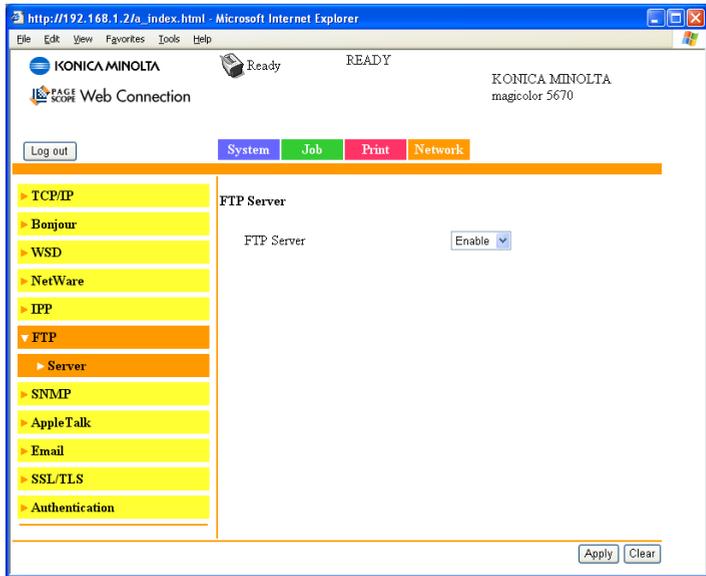
Item	Description
Accept IPP Job	Sets whether or not to accept IPP Job. Choices: Enable, Disable Default: Enable
Printer Name	Displays the printer's name. Range: Up to 127 characters Default: KONICA MINOLTA magicolor 5670(xx:xx:xx) KONICA MINOLTA magicolor 5650(xx:xx:xx)  Specify the settings from the 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). <ul style="list-style-type: none">■ 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 Authentication	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

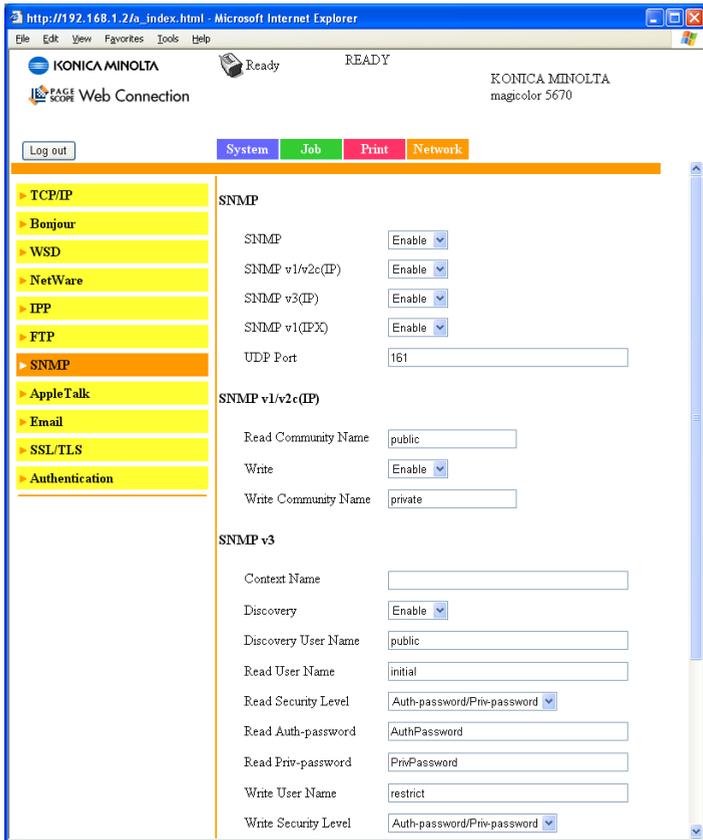
Server



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

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:

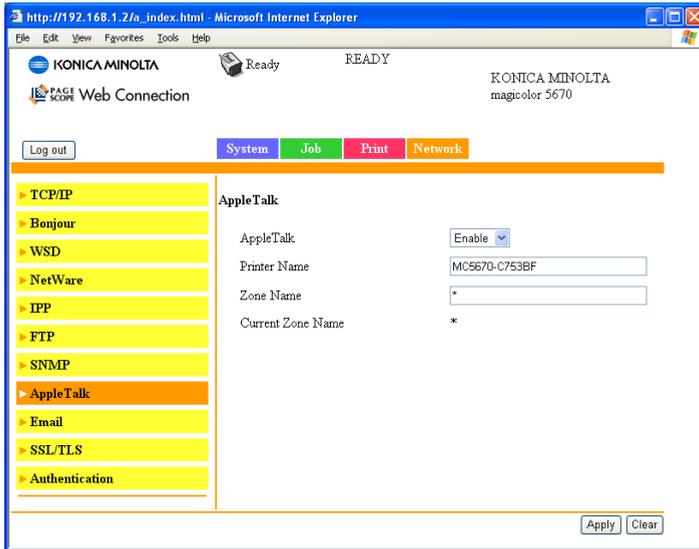
Item		Description
SNMP	SNMP	If Enable is selected, SNMP is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SNMP - ENABLE
	SNMP v1/v2c(IP)	If Enable is selected, SNMP v1/v2c(IP) is enabled. Choices: Enable, Disable Default: Enable

Item		Description
	SNMP v3(IP)	If Enable is selected, SNMP v3(IP) is enabled. Choices: Enable, Disable Default: Enable
	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  <i>The same name specified as the Discovery user name cannot be used.</i>

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

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	<p>If Enable is selected, AppleTalk is enabled.</p> <p>Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - APPLTALK - ENABLE</p>
Printer Name	<p>Sets the printer name.</p> <p>Range: Up to 31 characters Default: MC5670-xxxxxx MC5650-xxxxxx</p> <p> xxxxxx displays six last digits of the MAC address in hexadecimal.</p>
Zone Name	<p>Sets the Zone Name.</p> <p>Range: Up to 31 characters Default: *</p>
Current Zone Name	Identifies 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 screenshot shows a web browser window displaying the Konica Minolta configuration interface. The browser address bar shows 'http://192.168.1.2/a_index.html - Microsoft Internet Explorer'. The page title is 'KONICA MINOLTA magicolor 5670'. The interface includes a navigation menu with options: 'Log out', 'System', 'Job', 'Print', and 'Network'. A sidebar on the left lists various configuration categories: TCP/IP, Bonjour, WSD, NetWare, IPP, FTP, SNMP, Apple Talk, Email (selected), Send Email (selected), SSL/TLS, and Authentication. The main content area is titled 'Send Email' and contains the following settings:

- Send:** A dropdown menu set to 'Enable'.
- SMTP Server Address:** A text input field containing '0.0.0.0'.
- Port Number:** A text input field containing '25'.
- Connection Timeout:** A text input field containing '60' with the unit 'Seconds(30-300)'.
- SMTP Authentication:** A dropdown menu set to 'Disable'.
- Account:** An empty text input field.
- Password:** An empty text input field.
- Realm:** An empty text input field.

At the bottom right of the configuration area, there are two buttons: 'Apply' and 'Clear'.

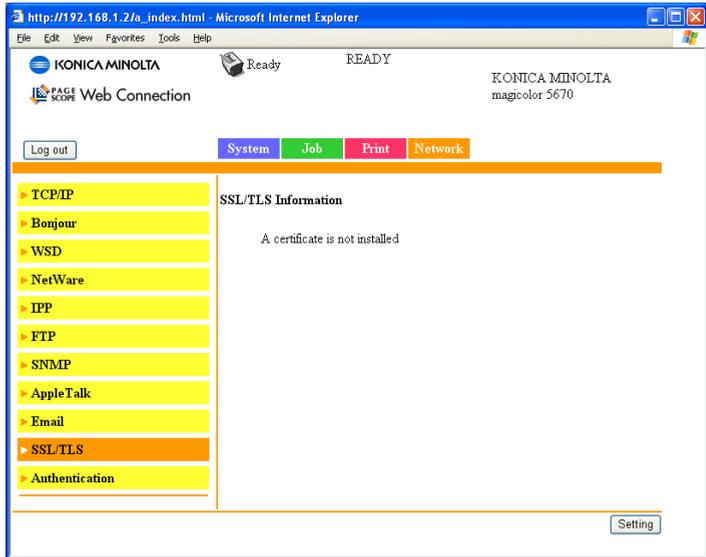
The **Network - Email - Send Email** window allows you to configure the following items:

Item		Description
Send Email	Send	<p>If Enable is selected, sending Email is enabled.</p> <p>Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SMTP - ENABLE</p>
	SMTP Server Address*	<p>Specifies the address of the mail transmission server. An IPv4 or IPv6 address or a host name can be specified.</p> <p>Range: Up to 255 characters Default: 0.0.0.0</p>
	Port Number	<p>Specifies the port number of the mail transmission server.</p> <p>Range: 1 - 65535 Default: 25</p>
	Connection Time-out	<p>Specifies the amount of time until the connection times out when sending e-mail.</p> <p>Range: 30 - 300 (seconds) Default: 60</p>
SMTP Authentication	SMTP Authentication	<p>If Enable is selected, SMTP server authentication is enabled.</p> <p>Choices: Enable, Disable Default: Disable</p>
	Account	<p>Specify the account name used with SMTP authentication.</p> <p>Range: Up to 255 characters Default: [Blank]</p>
	Password	<p>Specify the password used with SMTP authentication.</p> <p>Range: Up to 128 characters Default: [Blank]</p>
	Realm	<p>Specify the realm used with Digest-MD5 authentication.</p> <p>Range: Up to 255 characters Default: [Blank]</p>

Item	Description
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



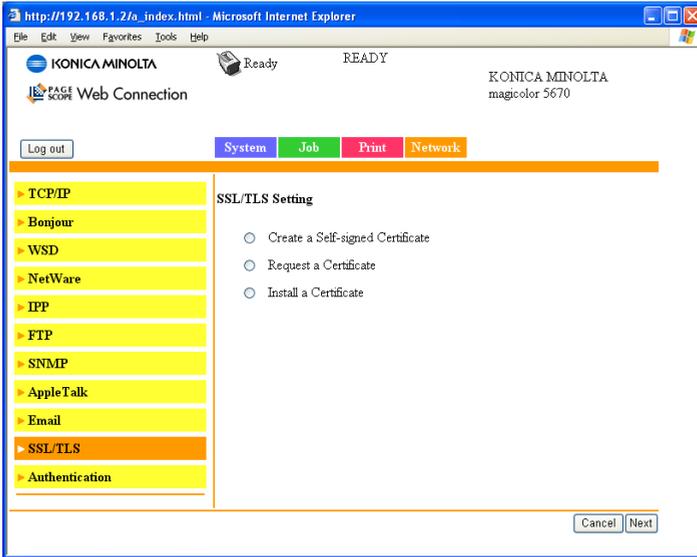
The **Network - SSL/TLS - SSL/TLS Information** page allows you to specify SSL/TLS settings.



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.

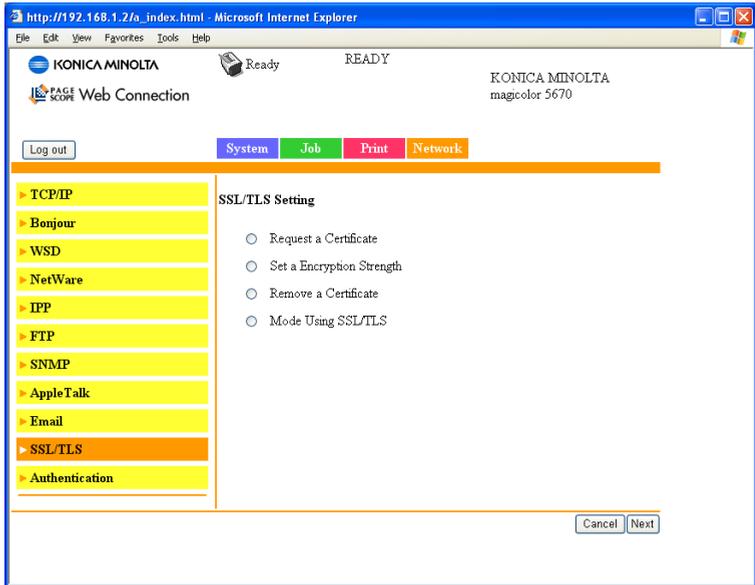
SSL/TLS Setting (When a certificate is not installed)



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

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.

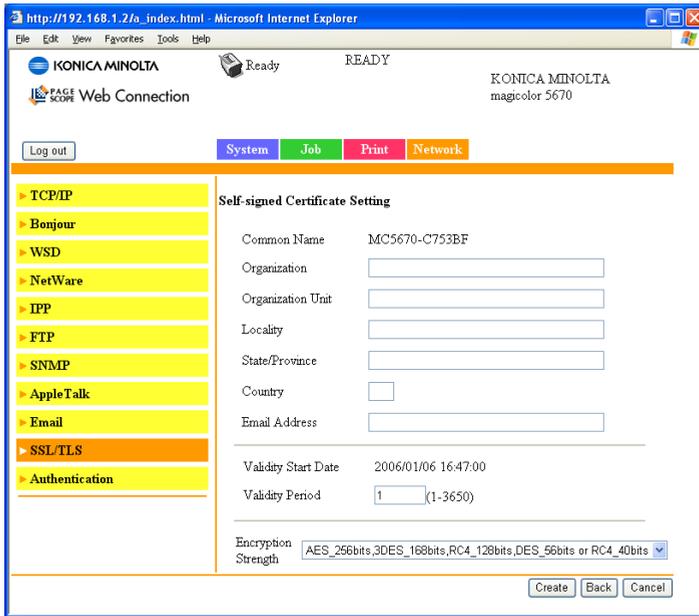
SSL/TLS Setting (When a certificate is installed)



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

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

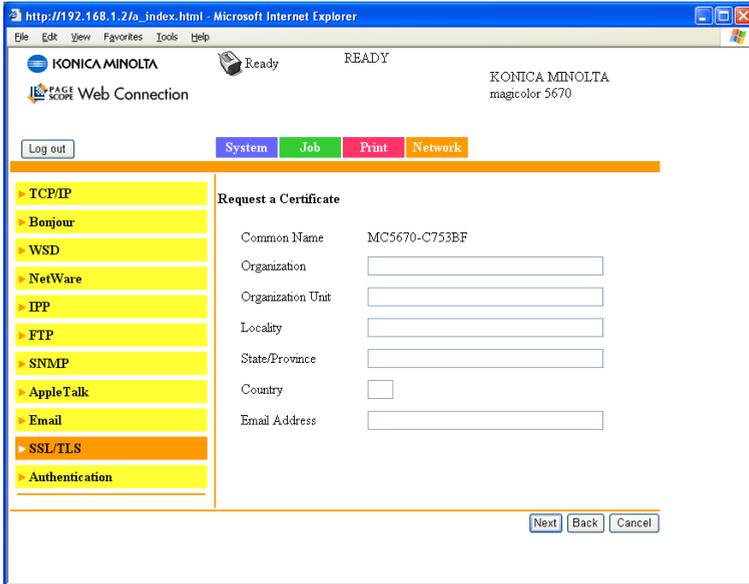


The **Network - SSL/TLS - Self-signed Certificate Setting** page allows you to create a certificate and specify SSL settings.

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 un-available, only the host name is used as Common Name.  <i>This text is read-only.</i>
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]

Item	Description
Locality	Specify the name of the municipality. Range: Up to 127 characters Default: [Blank]
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 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: <ul style="list-style-type: none"> ■ 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.  <i>A few minutes are needed in order to create the certificate.</i>
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

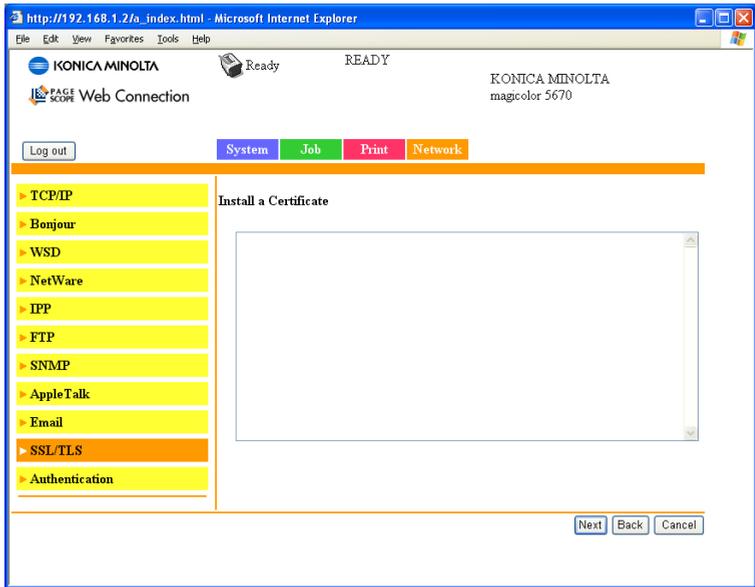


The **Network - SSL/TLS - Request a Certificate** page allows you to configure the following items:

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 un-available, only the host name is used as Common Name.  <i>This text is read-only.</i>
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]

Item	Description
Locality	Specifies the name of the municipality. Range: Up to 127 characters Default: [Blank]
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: 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.

Install a Certificate



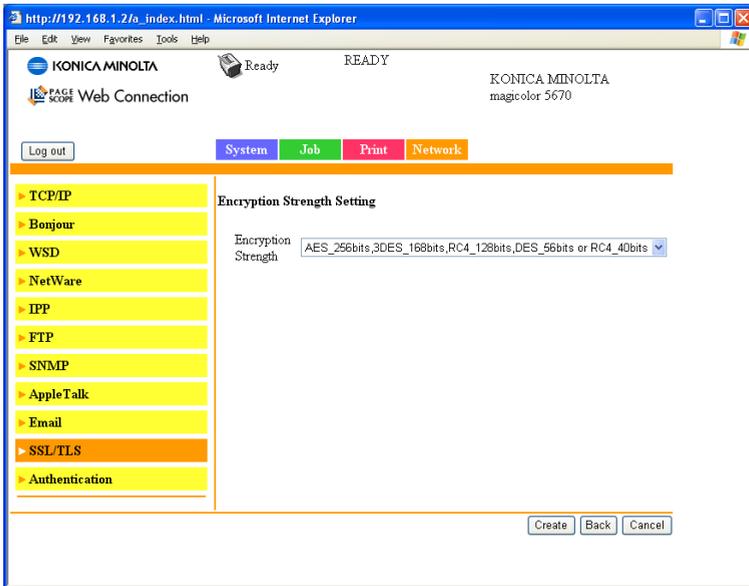
The **Network - SSL/TLS - Install a Certificate** page allows you to install the certificate issued by the certificate authority.

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 menu item appears if a certificate is installed.



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

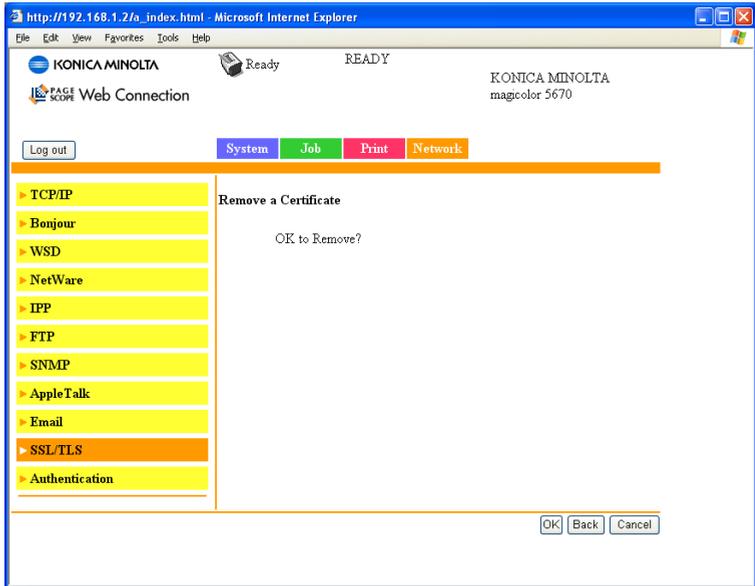
Item	Description
Encryption Strength	<p>Specify the encryption level.</p> <p>Choices:</p> <ul style="list-style-type: none"> ■ AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ RC4_128bits, DES_56bits or RC4_40bits <p>Default: AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</p>
Create button	<p>Click to specify the encryption level.</p> <p>If the Network - SSL/TLS - Install a Certificate page was previously displayed, the certificate is installed.</p>

Item	Description
Back button	Returns to the previous screen.
Cancel button	Click to return to the Network - SSL/TLS - SSL/TLS Information page.

Remove a Certificate



This menu item appears if a certificate is installed.



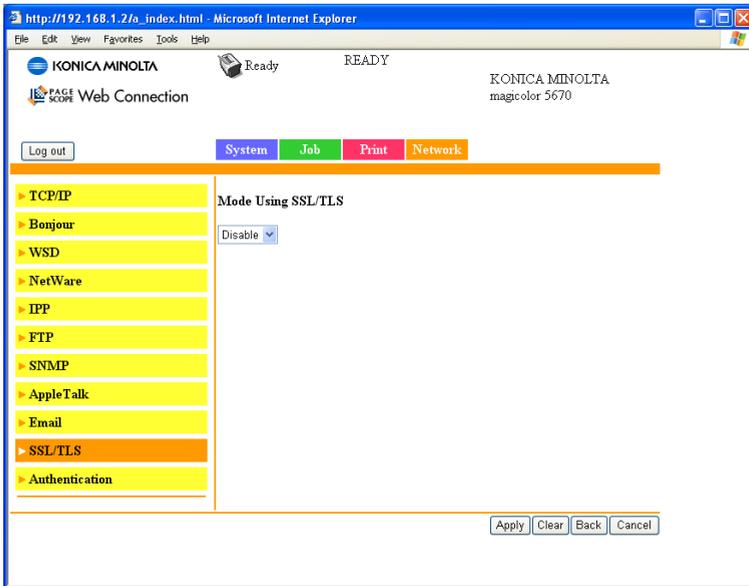
The **Network - SSL/TLS - Remove a Certificate** page allows you to delete the installed certificate.

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 menu item appears if a certificate is installed.

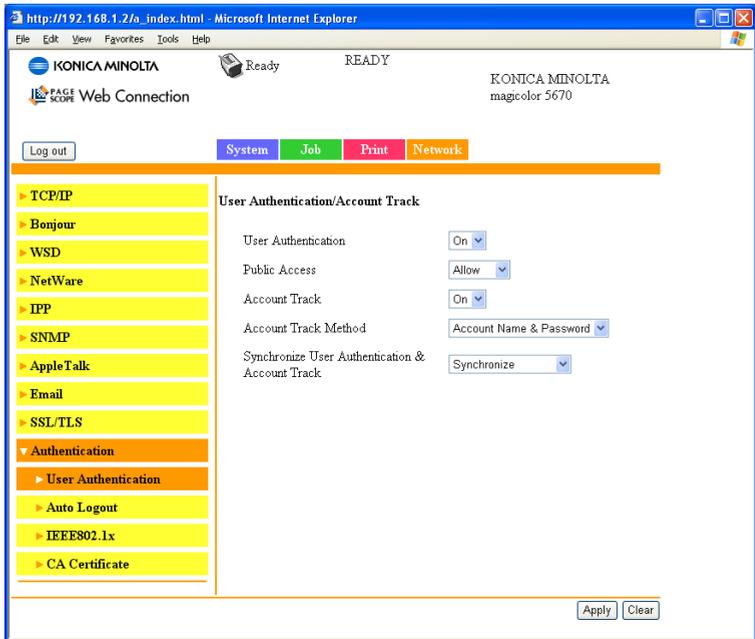


The **Network - SSL/TLS - Mode Using SSL/TLS** page allows the SSL transmission mode to be specified.

Item	Description
Mode using SSL/TLS	Selects the SSL transmission mode. Choice: Disable, Enable Default: Disable
Apply button	Click to apply the setting specified beside "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.

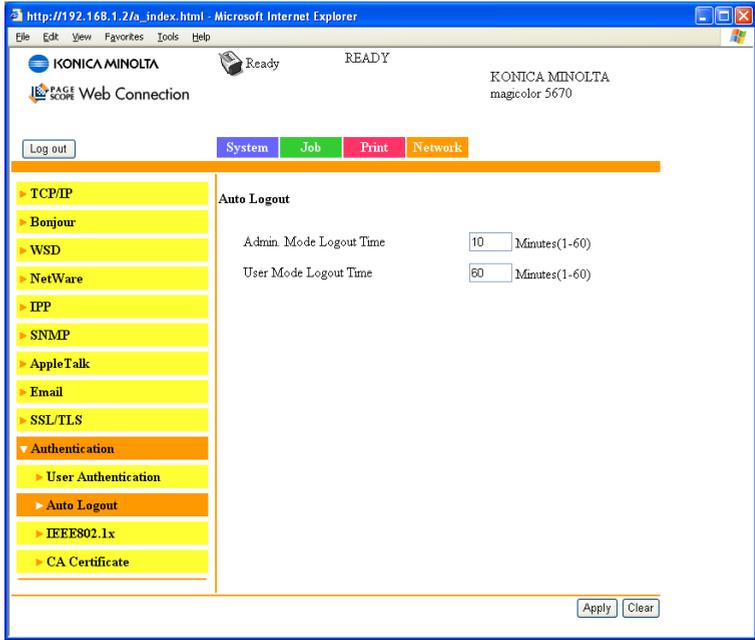


*When **User Authentication** or **Account Track** is set to **On** and **Public Access** is set to **Restrict** on this page, printing is not possible except from a host where authentication settings can be specified (Windows printer driver or PageScope Direct Print). In addition, resources (fonts, color profiles 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	<p>Select whether or not logon as a Public user is permitted when authentication settings have been specified.</p> <p>Choices: Allow, Restrict Default: Allow</p>
Account Track	<p>Select whether or not account authentication is performed.</p> <p>Choices: On, Off Default: Off</p>
Account Track Method	<p>Specify the account track authentication method.</p> <p>Choices: Account Name & Password, Password Only Default: Account Name & Password</p>
Synchronize User Authentication & Account Track	<p>Select whether or not user authentication and account track settings are to be synchronized.</p> <p>Choices: Synchronize, Do Not Synchronize Default: Synchronize</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

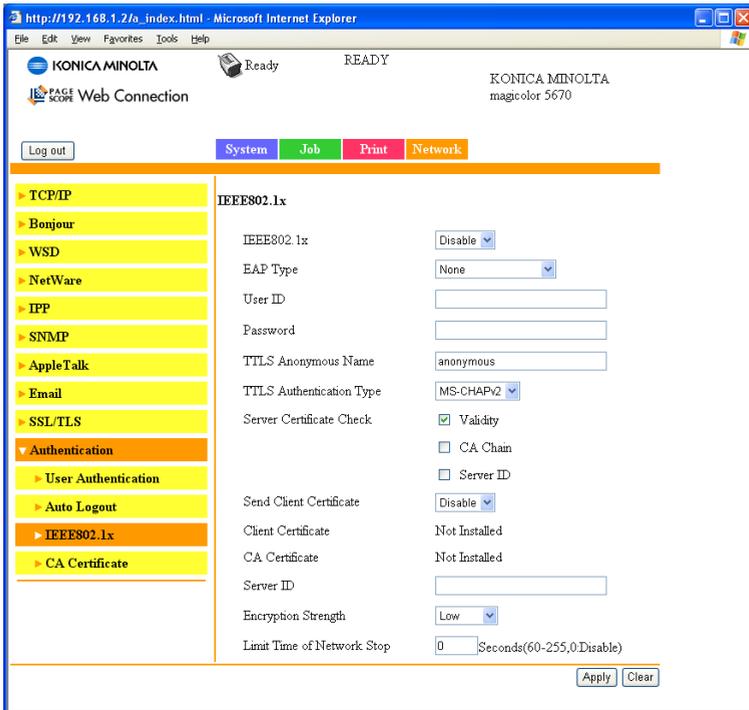
Auto Logout



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 off from Administrator mode. Range: 1 - 60 (Minutes) Default: 10
User Mode Logout Time	Specify the length of time to automatically log off 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:

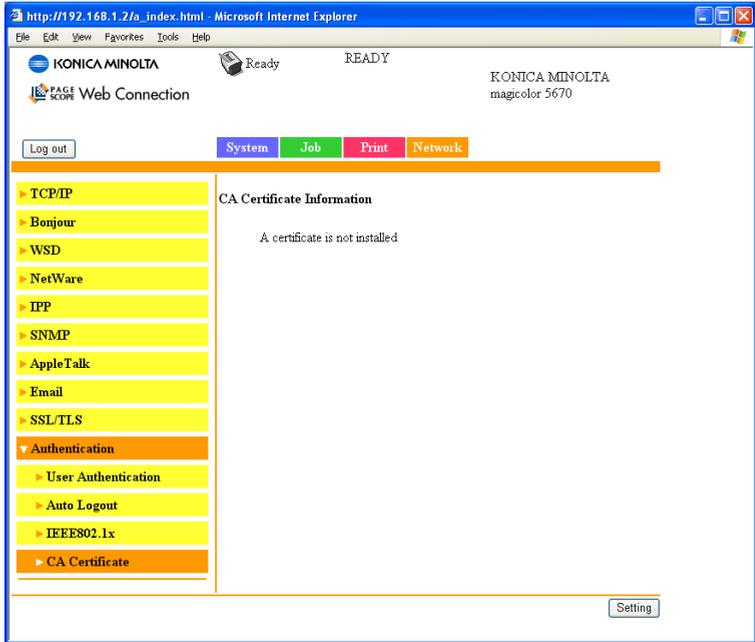
Item	Description
IEEE802.1x	<p>Select whether to enable or disable the IEEE802.1x function.</p> <p>Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - IEEE802.1X - ENABLE</p>
EAP Type	<p>Select the type of authentication used with IEEE802.1x.</p> <p>Choices: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

Item	Description
User ID	<p>Specifies the account name, when EAP Type is set to EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP or Server Specification.</p> <p>Range: Up to 128 characters Default: [Blank]</p>
Password	<p>Specifies the password, when EAP Type is set to EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP or Server Specification.</p> <p>Range: Up to 128 characters Default: [Blank]</p>
TTLS Anonymous Name	<p>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.</p> <p>Range: Up to 128 characters Default: anonymous</p> <p> <i>If EAP Type is set to Server Specification while the actual authentication method is EAP-MD5, type in the same name as the User ID.</i></p>
TTLS Anonymous Type	<p>Specify the EAP-TTLS phase 2 authentication procedure. Specifies the TTLS anonymous type, when EAP Type is set to EAP-TTLS or Server Specification.</p> <p>Choices: PAP, MS-CHAP, MS-CHAPv2 Default: MS-CHAPv2</p>
Server Certificate Check	<p>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.</p> <p>Choices: Validity, CA Chain, ServerID Default: Validity</p>
Send Client Certificate	<p>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.</p> <p>Choices: Enable, Disable Default: Disable</p>

Item	Description
Client Certificate	<p>Shows whether or not a client certificate has been specified.</p> <p> Specify the settings from the Network - SSL/TLS page.</p>
CA Certificate	<p>Shows whether or not a CA certificate has been specified for CA reliability verification of server certificates.</p> <p> Specify the settings from the Network - Authentication - CA Certificate page.</p>
Server ID	<p>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.</p> <p>Range: Up to 64 characters Default: [Blank]</p>
Encryption Strength	<p>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.</p> <p>Choices: Low, Medium, High Default: Low</p>
Limit Time of Network Stop	<p>Specify the length of time to postpone stopping the network when authentication fails from the start of authentication.</p> <p>Range: 0, 60 - 255 (seconds) Default: 0</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

CA Certificate

CA Certificate Information



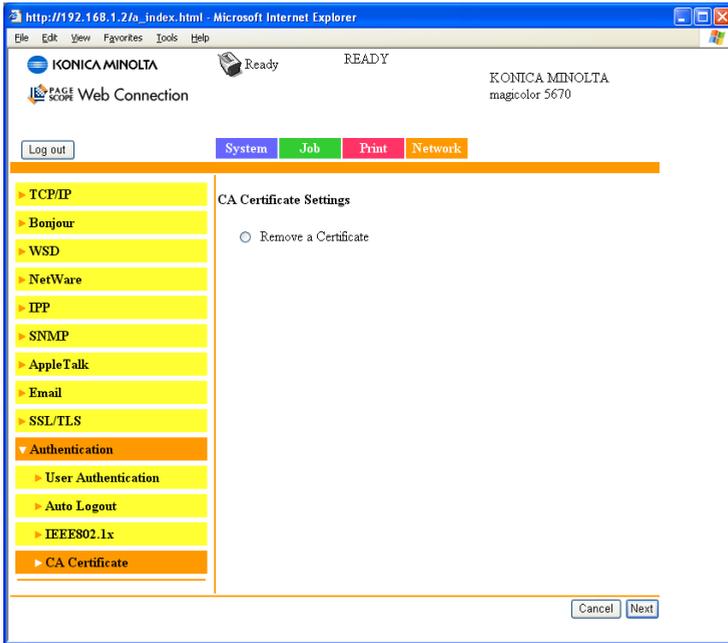
The **Network - Authentication - CA Certificate - CA Certificate Information** window allows you to specify CA Certificate settings.



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.

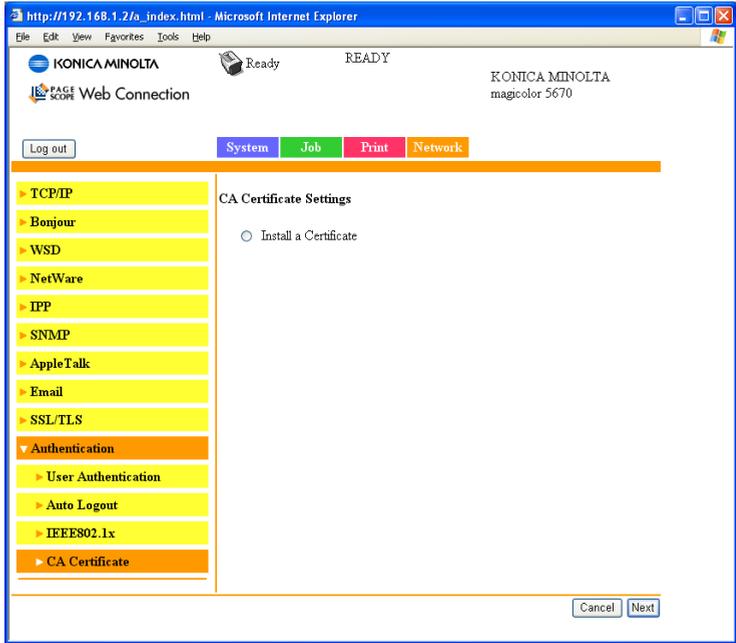
CA Certificate Setting (When a certificate is installed)



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

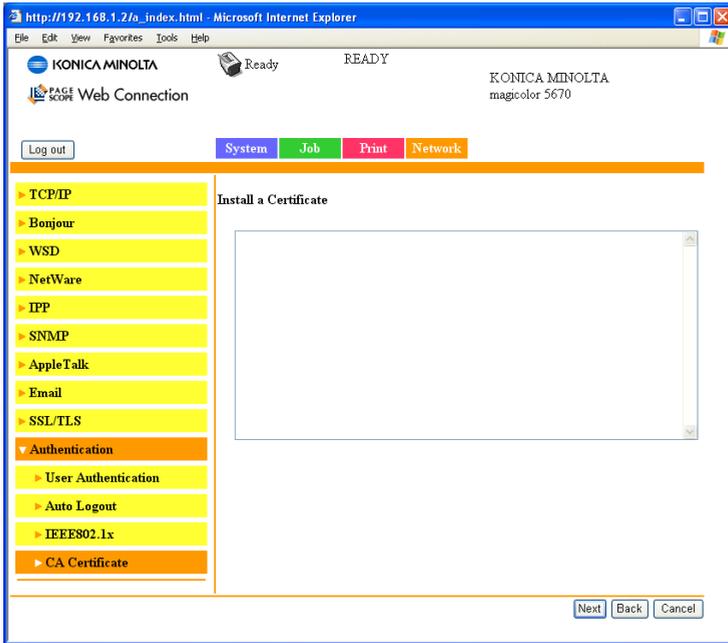
CA Certificate Setting (When a certificate is not installed)



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

Item	Description
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 - Authentication - CA Certificate - CA Certificate Information page.

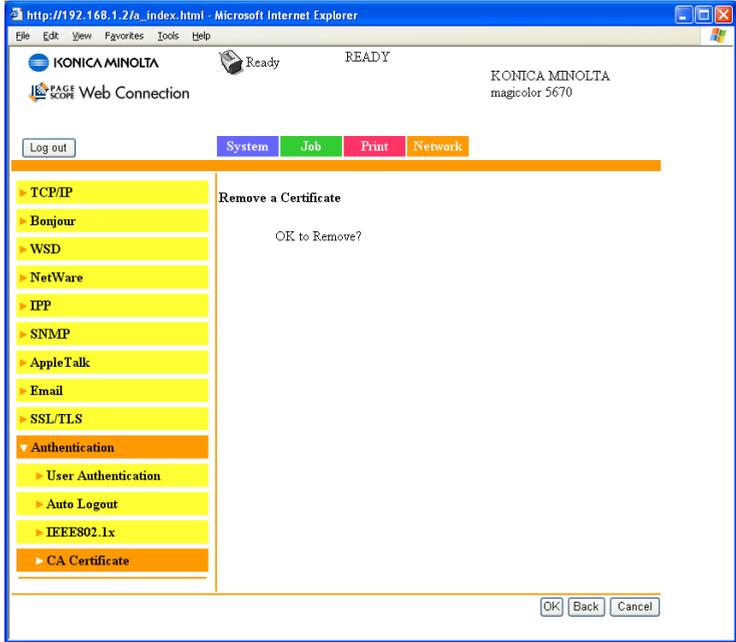
Install a Certificate



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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