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# **bizhub C35P**

# **Reference Guide**

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**A0VD-9582-00A**

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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: - PowerPC G3 or later processor (PowerPC G4 or later is recommended) - Intel processor
Connecting the computer and printer	USB connection, Network connection (10Base-T/100Base-TX)
Operating system	Mac OS X (10.2.8/10.3.9/10.4/10.5)
RAM	128 MB or more
Available disk space	256 MB or more (for storing images)
Supported languages	English, French, German, Italian, Spanish, Portuguese, Czech, Dutch

# Installing the Printer Driver



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



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

## Installing the Printer Driver



*The procedure for installing the printer driver on Mac OS X 10.5 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/DVD in the CD/DVD drive of your Macintosh.
- 2 Double-click the CD/DVD icon on the desktop, **105\_english** folder, and then double-click the **bizhub\_C35P\_105.pkg**.

*The installer for the printer driver starts up.*



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

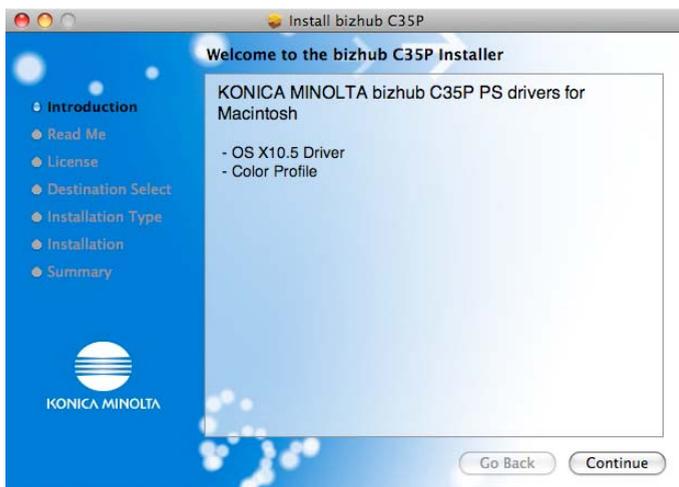
- To use inch-based paper size (8 1/2 x 11 in letter size): Select **105\_other** folder.
- To use metric-based paper size (A4 and the like): Select a file in **105\_english** folder.



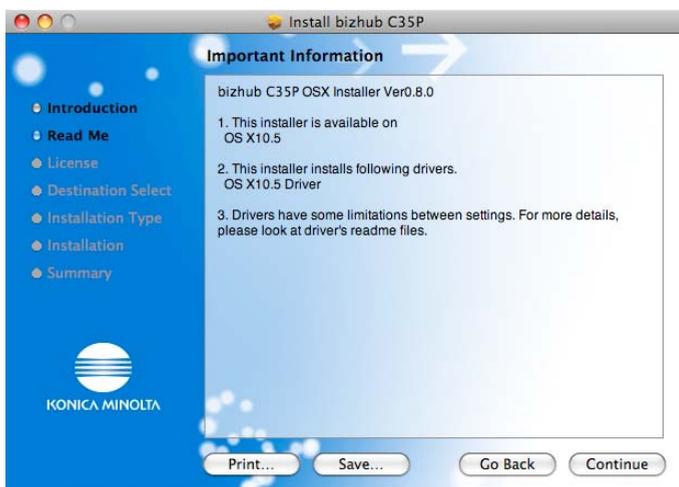
*Double-click the package file appropriate for the application and version of operating system being used.*

- **bizhub\_C35P\_102.pkg** (for Mac OS X v10.2)
- **bizhub\_C35P\_103104.pkg** (for Mac OS X v10.3/v10.4)

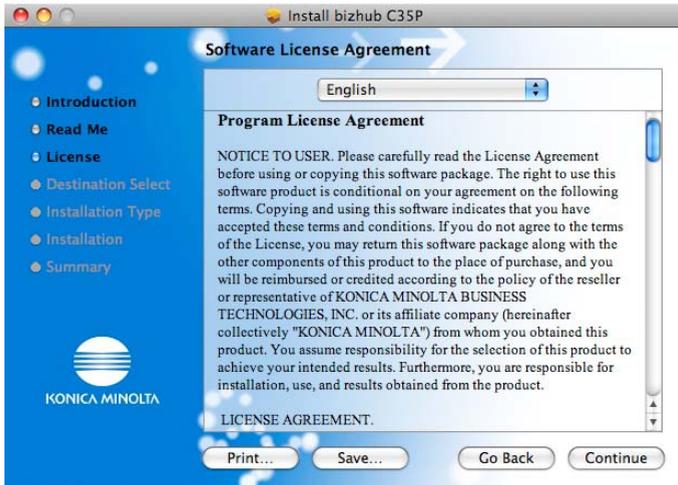
### 3 Click **Continue**.



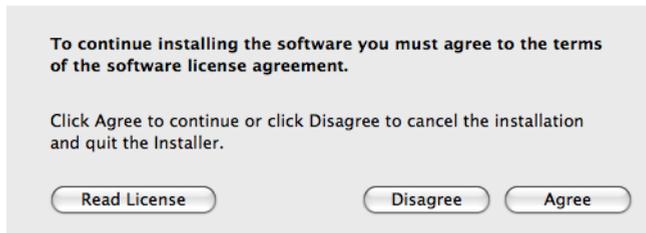
### 4 Click **Continue**.



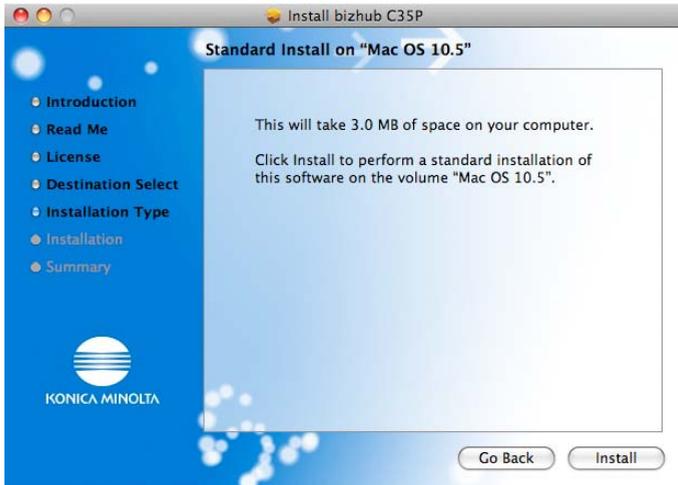
5 Click **Continue**.



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



- 7 Click **Install** in the **Standard Install** page.

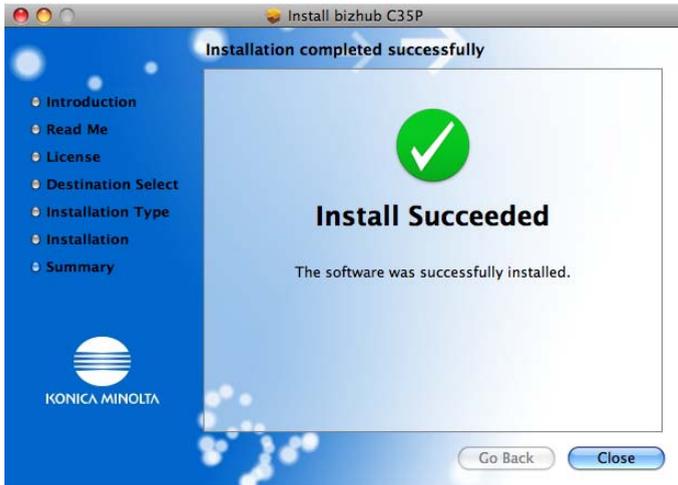


- 8 Enter the administrator user name and password in the Authenticate dialog box, and then click **OK**.



*Installation starts.*

- 9 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 bizhub C35P.gz**
- 5 Delete the unnecessary files from **Library - Printers**.
  - Drag the **KONICA MINOLTA bizhub C35P Color.plugin** file, which is located in **Library - Printers - PPD Plugins**, to the **Trash** icon.
  - Drag the **pstobzC35PPS** file, which is located in **Library - Printers - KONICAMINOLTA - filter**, to the **Trash** icon.
  - Drag the **fileExistbzC35P.icns** file, which is located in **Library - Printers - KONICAMINOLTA - Icons**, to the **Trash** icon.
  - Drag the **bzC35Pps.icc** file, which is located in **Library - Printers - KONICAMINOLTA - Profiles**, to the **Trash** icon.
- 6 Drag the **bizhub\_C35P\_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 bizhub C35P.gz**

- 5 Delete the unnecessary files from **Library - Printers**.
  - Drag the **KONICA MINOLTA bizhub C35P Color.plugin** file, which is located in **Library - Printers - KONICAMINOLTA - PDEs**, to the **Trash** icon.
  - Drag the **pstobzC35PPS** file, which is located in **Library - Printers - KONICAMINOLTA - filter**, to the **Trash** icon.
  - Drag the **fileExistbzC35P.icns** and **KONICA MINOLTA bizhub C35P.icns** file, which is located in **Library - Printers - KONICAMINOLTA - Icons**, to the **Trash** icon.
  - Drag the **bzC35Pps.icc** file, which is located in **Library - Printers - KONICAMINOLTA - Profiles**, to the **Trash** icon.
- 6 Drag the **bizhub\_C35P\_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

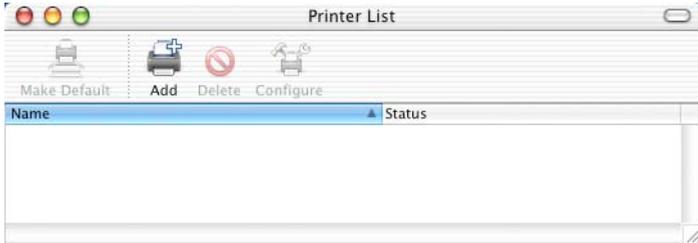
- 1 On the **Apple** menu, select **System Preferences**.
- 2 Click **Print & Fax**.
- 3 Select the name of the printer to be deleted, and then click the delete button (-) on the left below the list.
- 4 When the confirmation message appears, click **OK**.  
The selected printer is deleted.
- 5 Click 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 bzC35PPS.gz** file, which is located in **Library - Printers - PPDs - Contents - Resources** on the hard disk, to the **Trash** icon.
- 7 Drag the **C35P** folder, which is located in **Library - Printers - KONICAMINOLTA**, to the **Trash** icon.
- 8 Drag the **bizhub\_C35P\_105.pkg** file, which is located in the **Library - Receipts**, to the **Trash** icon.
- 9 Restart the computer.

This completes uninstallation of the printer driver.

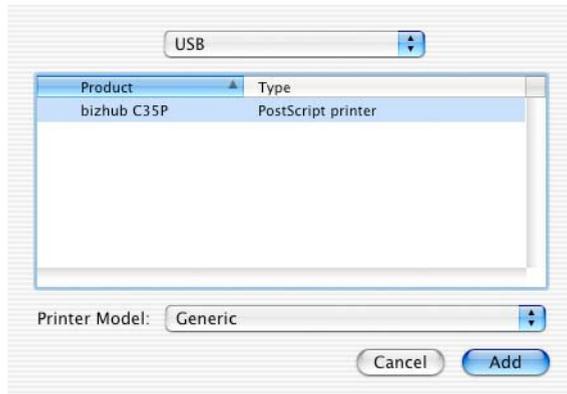
# Print Center Settings (Mac OS X 10.2.8)

## 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**.



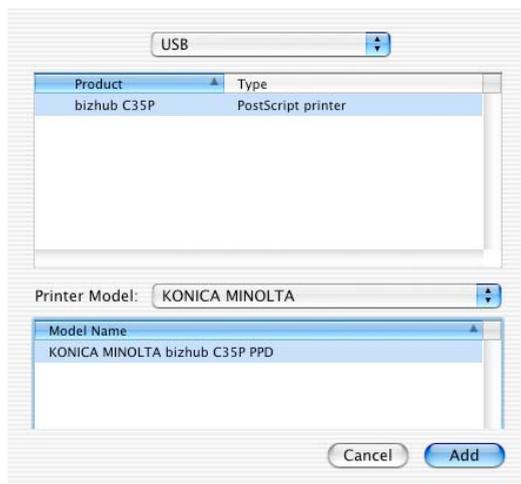
- 5 Select **bizhub C35P** in the **Product** list.



*If **bizhub C35P** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

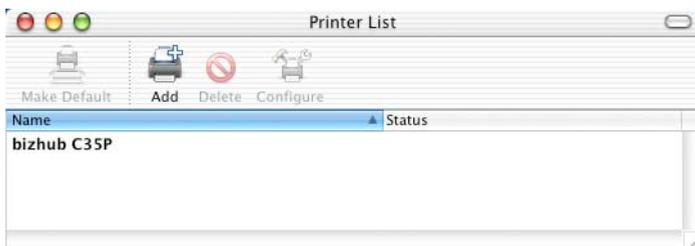
- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA bizhub C35P 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 1-59.*

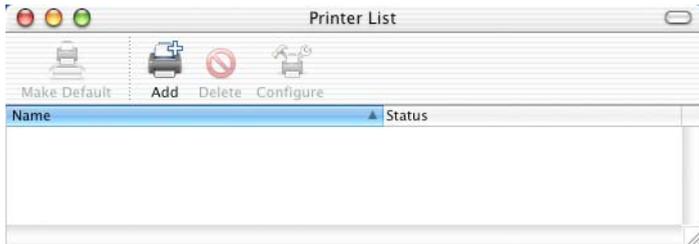
## When Using a Network Connection

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.

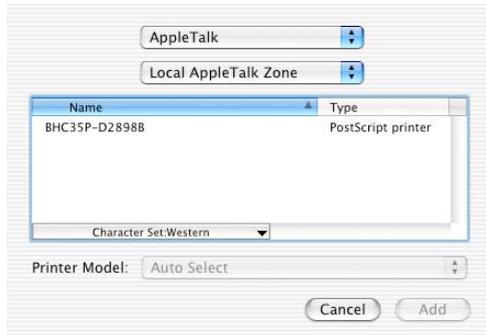
### AppleTalk Setting

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

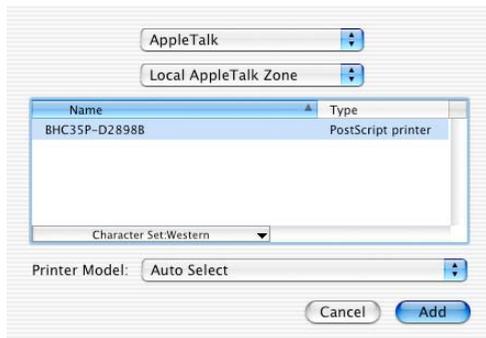
3 Click **Add** in the **Printer List**.



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



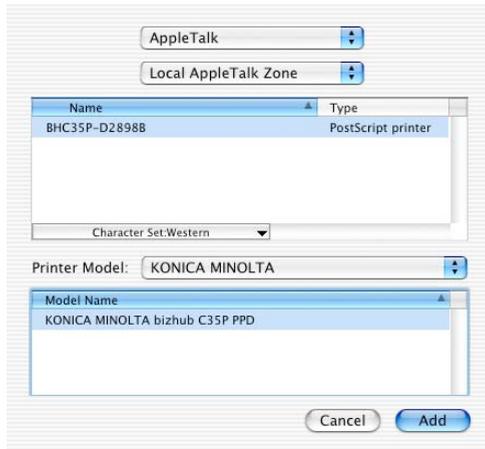
5 Select **BHC35P-xxxxxx**.



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

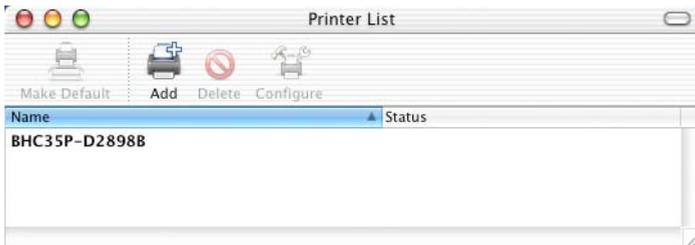
6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA bizhub C35P PPD** in the **Name** list.



- 8 Click **Add**.

The new printer appears in the Printer List screen.

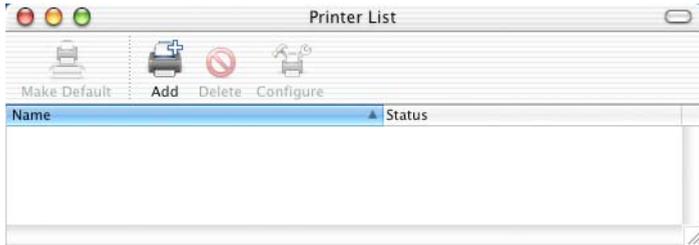


*If any options are installed, select them. For details, refer to "Selecting Print Options" on page 1-59.*

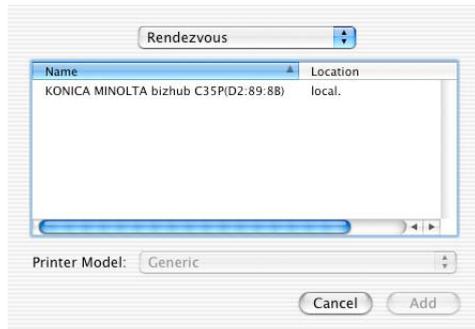
## Rendezvous Setting

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

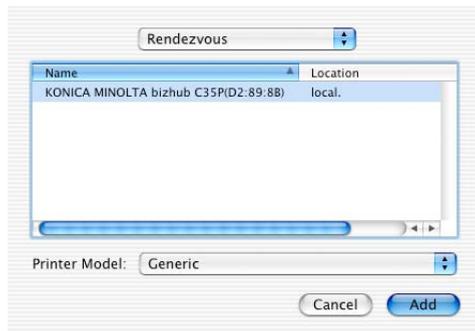
3 Click **Add** in the **Printer List**.



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



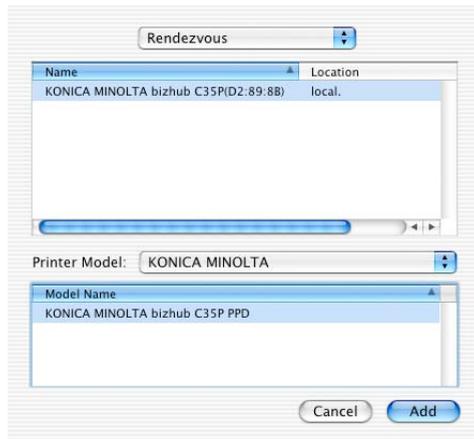
5 Select **KONICA MINOLTA bizhub C35P(xx:xx:xx)**.



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

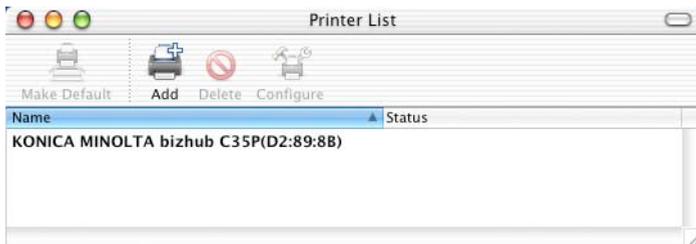
6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.

- 7 Select **KONICA MINOLTA bizhub C35P PPD** in the **Model Name** list.



- 8 Click **Add**.

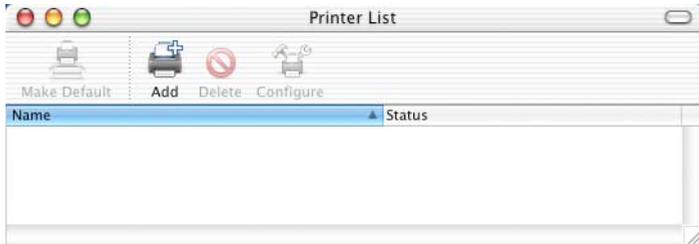
*The new printer appears in the Printer List screen.*



*If any options are installed, select them. For details, refer to “Selecting Print Options” on page 1-59.*

## 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.

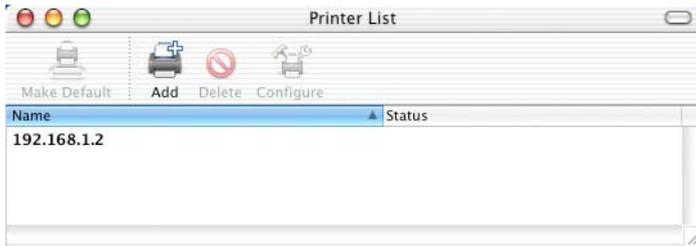
The screenshot shows a dialog box titled "IP Printing". At the top, there is a dropdown menu with "IP Printing" selected. Below it, the "Printer's Address" field is highlighted with a blue border and contains the text "192.168.1.2". Underneath this field, the text "Internet address or DNS name" is displayed, followed by the instruction "Complete and valid address." Below that, there is a checked checkbox labeled "Use default queue on server" and an empty "Queue Name:" text box. At the bottom, the "Printer Model:" dropdown menu is set to "Generic". At the very bottom of the dialog are "Cancel" and "Add" buttons.

- 6 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.
- 7 Select **KONICA MINOLTA bizhub C35P PPD** in the **Model Name** list.

This screenshot shows the same "IP Printing" dialog box as above, but with further configuration. The "Printer Model:" dropdown menu is now set to "KONICA MINOLTA". Below it, the "Model Name" list is open, showing a scrollable list with "KONICA MINOLTA bizhub C35P PPD" selected and highlighted in blue. The "Queue Name:" field remains empty. The "Cancel" and "Add" buttons are still visible at the bottom.

## 8 Click **Add**.

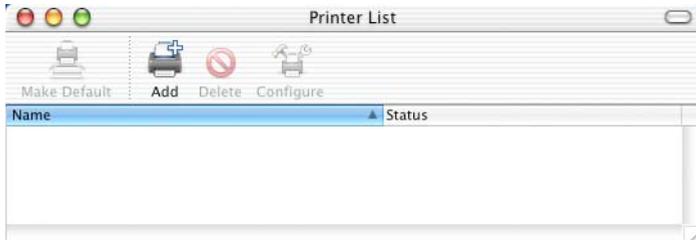
The new printer appears in the *Printer List* screen.



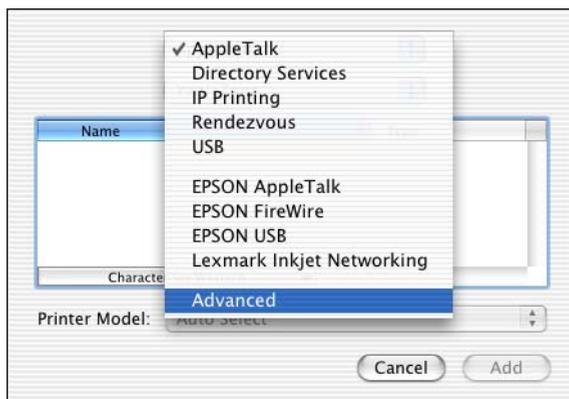
*If any options are installed, select them. For details, refer to “Selecting Print Options” on page 1-59.*

## 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.

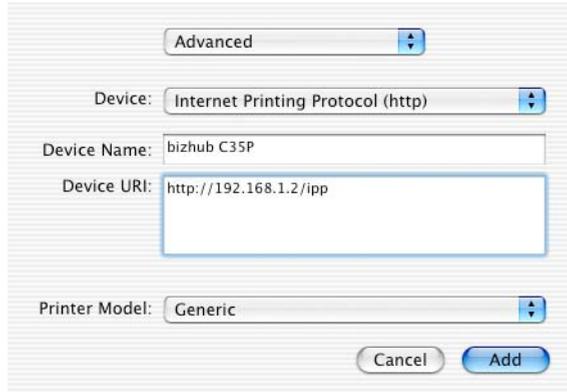


- 5 Select **Internet Printing Protocol (http)** from the **Device** pop-up menu.



- 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".



Advanced

Device: Internet Printing Protocol (http)

Device Name: bizhub C35P

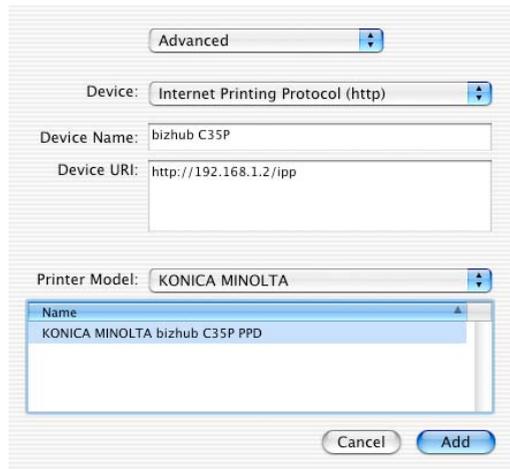
Device URI: http://192.168.1.2/ipp

Printer Model: Generic

Cancel Add

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

- 9 Select **KONICA MINOLTA bizhub C35P PPD** in the **Name** list.



Advanced

Device: Internet Printing Protocol (http)

Device Name: bizhub C35P

Device URI: http://192.168.1.2/ipp

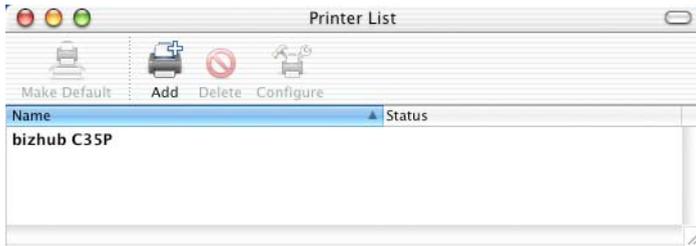
Printer Model: KONICA MINOLTA

Name  
KONICA MINOLTA bizhub C35P PPD

Cancel Add

## 10 Click **Add**.

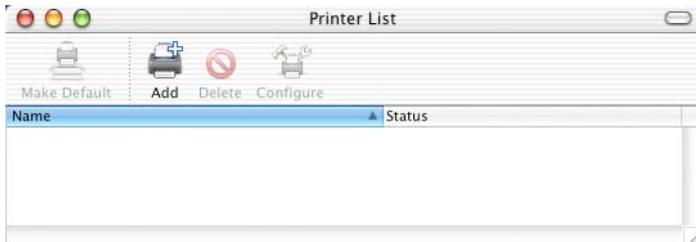
The new printer appears in the *Printer List* screen.



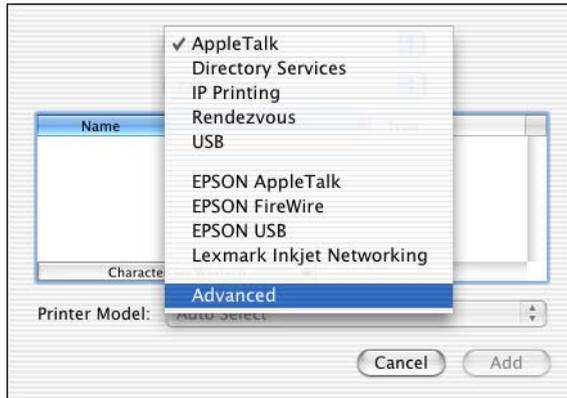
*If any options are installed, select them. For details, refer to “Selecting Print Options” on page 1-59.*

## Specifying Port 9100

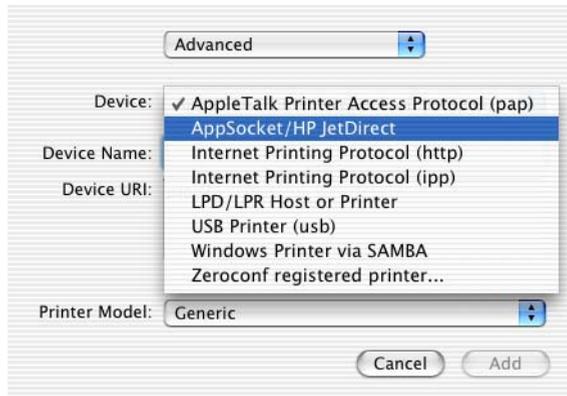
- 1 Connect the printer to an Ethernet network.
- 2 Open **Print Center**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add** while pressing the Option key in the keyboard.



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

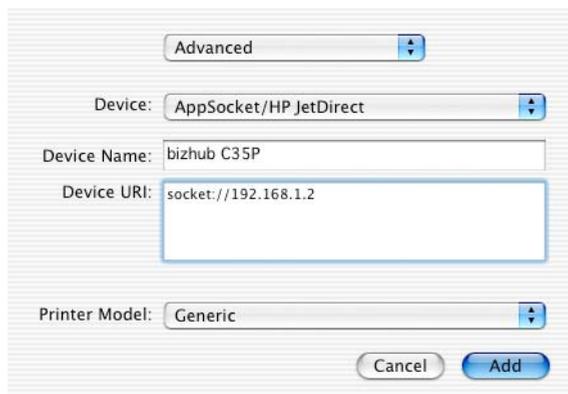


- 5 Select **AppSocket/HP JetDirect** from the **Device** pop-up menu.



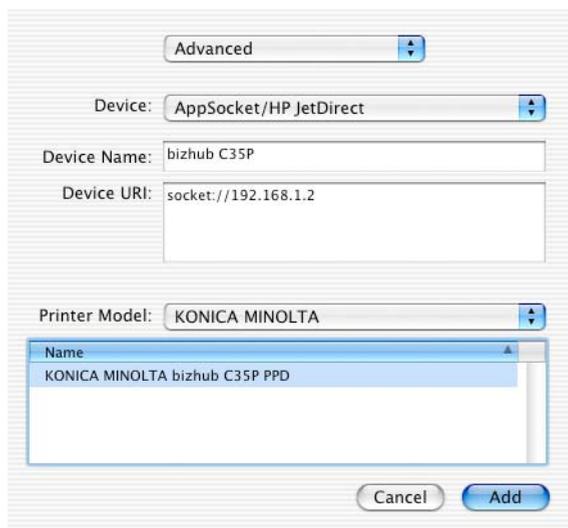
- 6 Enter the name for the printer in the **Device Name** text box.

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



The screenshot shows a configuration window with a title bar that says "Advanced". Below the title bar, there are several fields: "Device:" with a dropdown menu showing "AppSocket/HP JetDirect"; "Device Name:" with a text box containing "bizhub C35P"; "Device URI:" with a text box containing "socket://192.168.1.2"; and "Printer Model:" with a dropdown menu showing "Generic". At the bottom right, there are two buttons: "Cancel" and "Add".

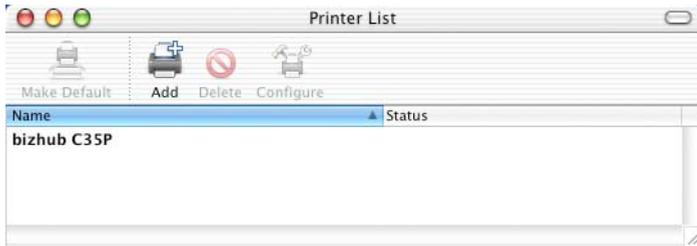
- 8 Select **KONICA MINOLTA** from the **Printer Model** pop-up menu.
- 9 Select **KONICA MINOLTA bizhub C35P PPD** in the **Name** list.



The screenshot shows the same configuration window as before, but with the "Printer Model:" dropdown menu open, showing "KONICA MINOLTA" selected. Below the dropdown menu, there is a list box with a header "Name" and one item "KONICA MINOLTA bizhub C35P PPD" selected. The "Cancel" and "Add" buttons are still visible at the bottom right.

## 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 1-59.*

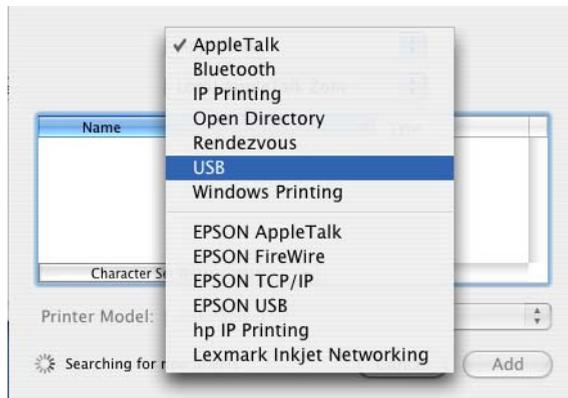
# Printer Setup Utility Settings (Mac OS X 10.3)

## When Using a USB Connection

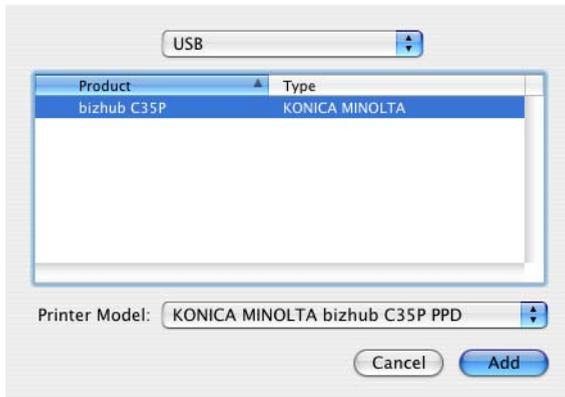
- 1 Use a USB cable to connect the printer to your computer.
- 2 Check that the printer is turned on, and then restart the computer.
- 3 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 4 In the **Printer List**, click **Add**.



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



6 Select **bizhub C35P** in the **Product** list.



*If **bizhub C35P** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.*

7 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Printer Model** 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 1-59.*

## When Using a Network Connection

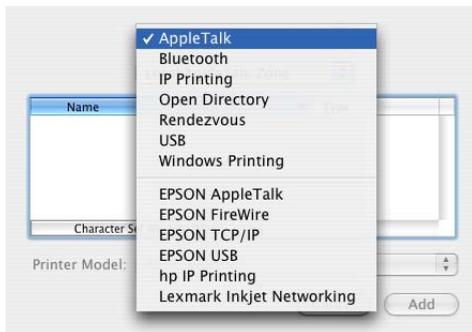
The network connection settings can be specified IP printing Setting (IPP, LPD or Socket).

### AppleTalk Setting

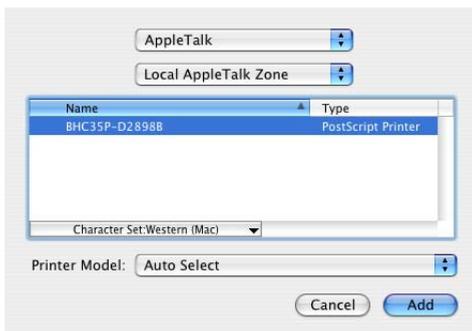
- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



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



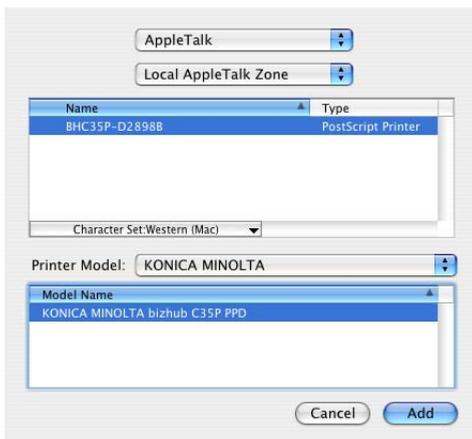
- 5 Select **BHC35P-xxxxxx** in the **Name** list.



 "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 bizhub C35P PPD** in the **Model Name** list.



- 8 Click **Add**.

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



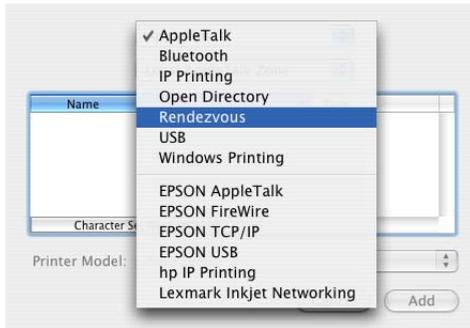
 If any options are installed, select them. For details, refer to "Selecting Print Options" on page 1-59.

## Rendezvous Setting

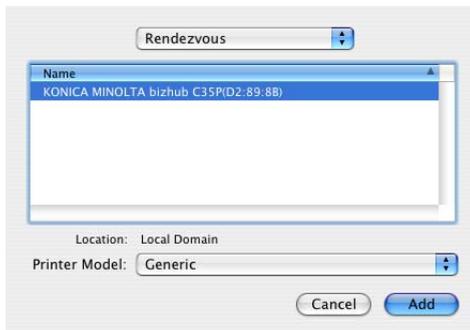
- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



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

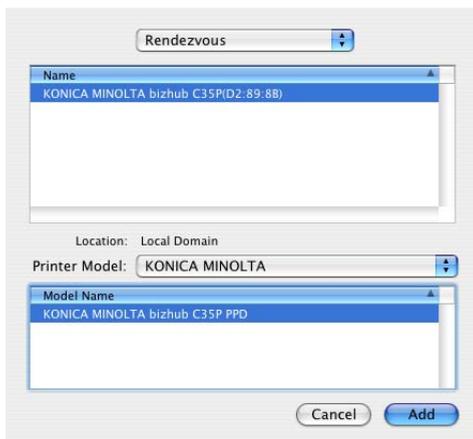


- 5 Select **KONICA MINOLTA bizhub C35P(xx:xx:xx)** in the **Name** list.



"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 bizhub C35P 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 1-59.*

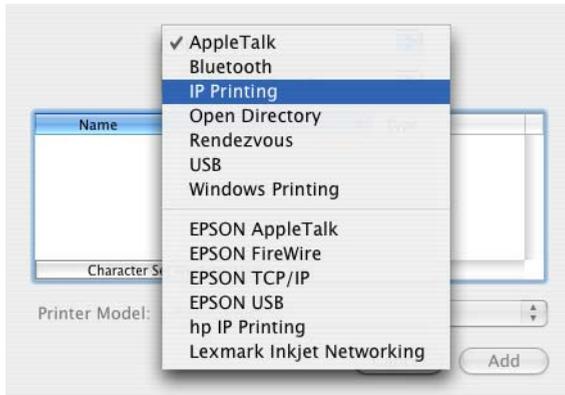
## IP Printing Setting

- 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**.

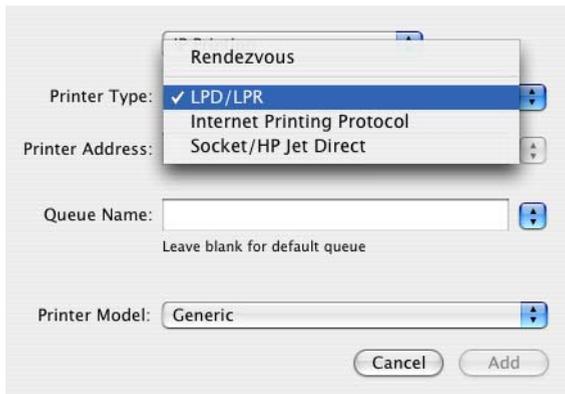
**3** Click **Add** in the **Printer List**.



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

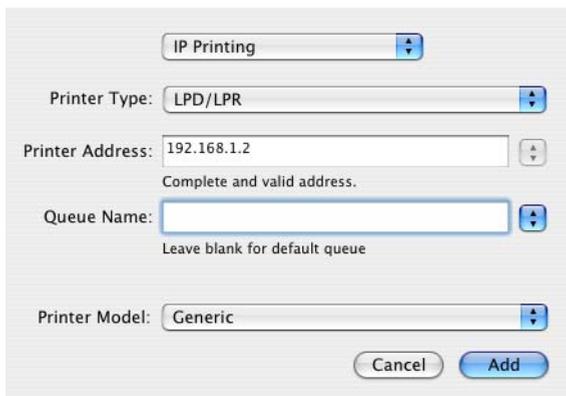


**5** Select desired print protocol from the **Printer Type** pop-up menu.



- 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: LPD/LPR

Printer Address: 192.168.1.2  
Complete and valid address.

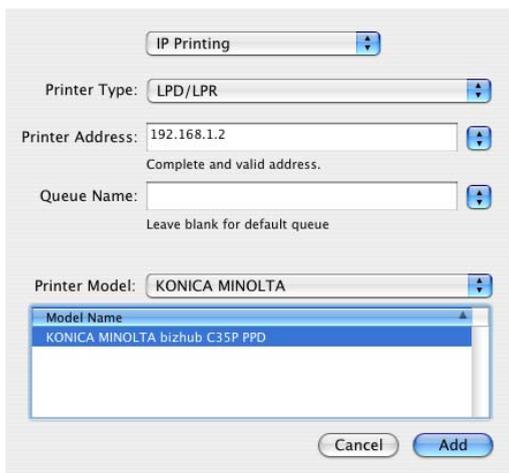
Queue Name:   
Leave blank for default queue

Printer Model: Generic

Cancel Add

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

- 8 Select **KONICA MINOLTA bizhub C35P PPD** in the **Name** list.



IP Printing

Printer Type: LPD/LPR

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 bizhub C35P PPD

Cancel Add

- 9 Click **Add**.

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

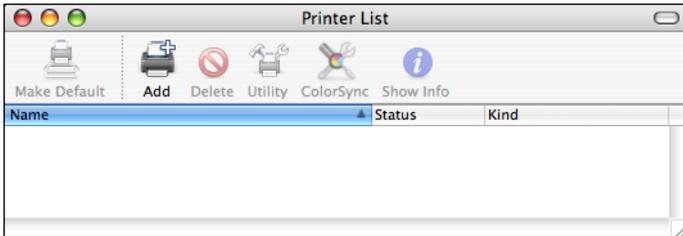


*If any options are installed, select them. For details, refer to “Selecting Print Options” on page 1-59.*

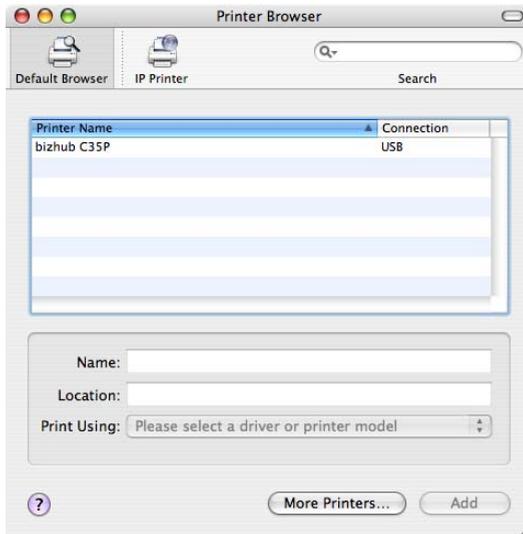
# Printer Setup Utility Settings (Mac OS X 10.4)

## When Using a USB Connection

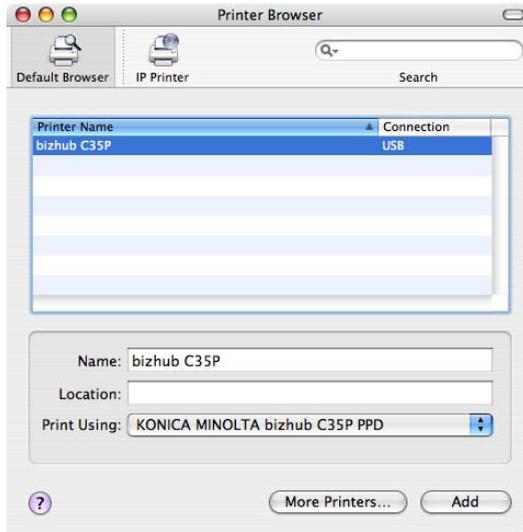
- 1 Use a USB cable to connect the machine to your computer.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add**.



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



#### 4 Select **bizhub C35P** in the **Printer Name**.



*If **bizhub C35P** does not appear, check that the machine is turned on and the USB cable is connected, and then restart the computer.*

#### 5 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.

#### 6 Click **Add**.

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



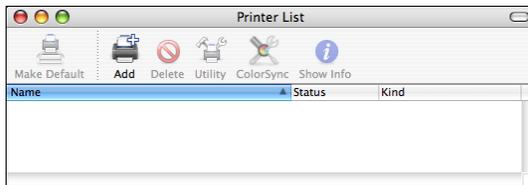
*If any options are installed, select them. For details, refer to "Selecting Print Options" on page 1-59.*

## When Using a Network Connection

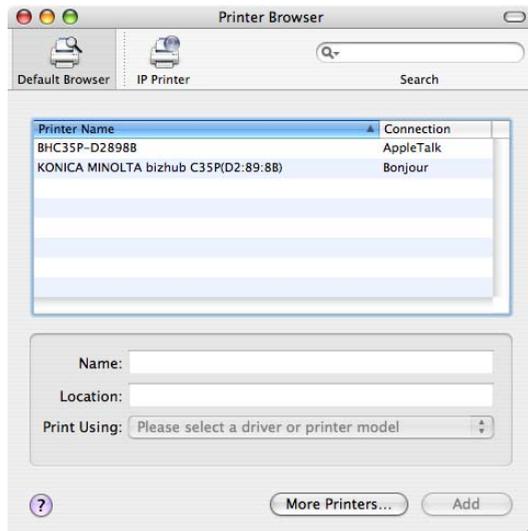
The network connection settings can be specified in one of three ways: Bonjour Setting, AppleTalk setting and IP printing Setting (IPP, LPD or Socket).

### Bonjour Setting

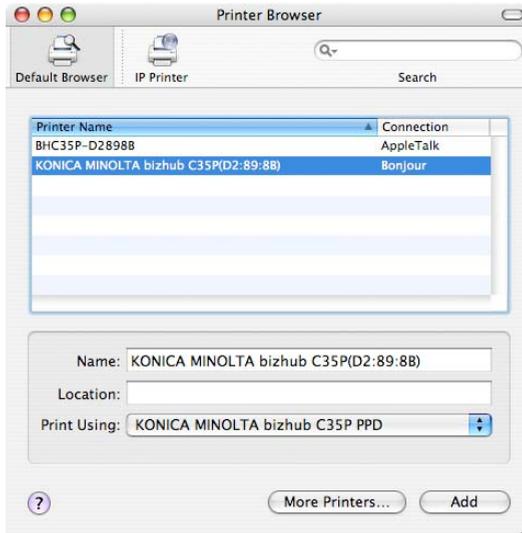
- 1 Connect the machine to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 In the **Printer List**, click **Add**.



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



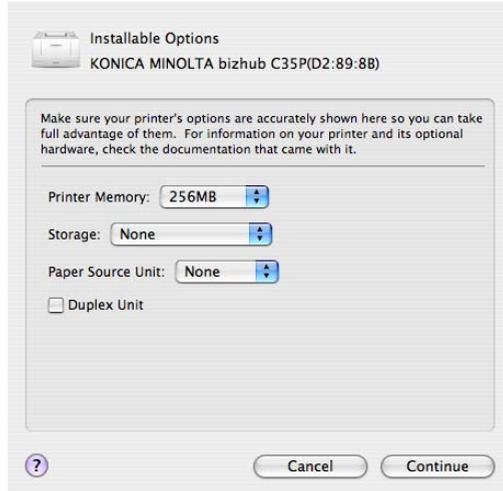
- 4 Select **KONICA MINOLTA bizhub C35P(xx:xx:xx)** in the **Printer Browser**.



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

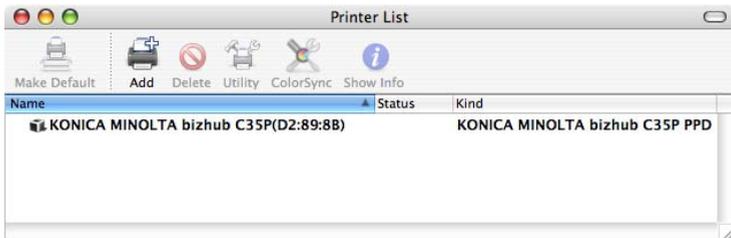
- 5 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.
- 6 Click **Add**.

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



- 8 Click **Continue**.

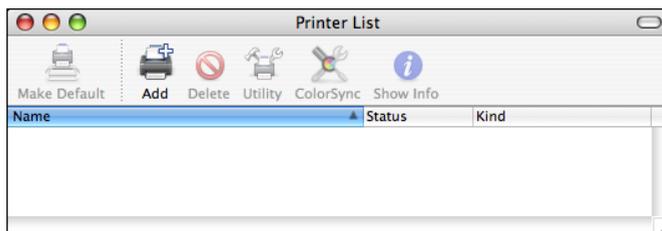
*The new printer appears in the **Printer List** screen.*



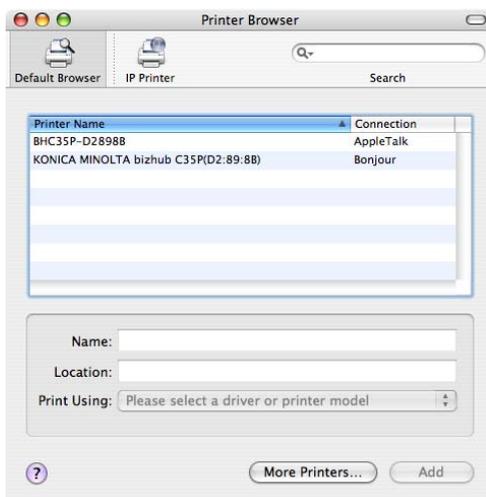
## AppleTalk Setting

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

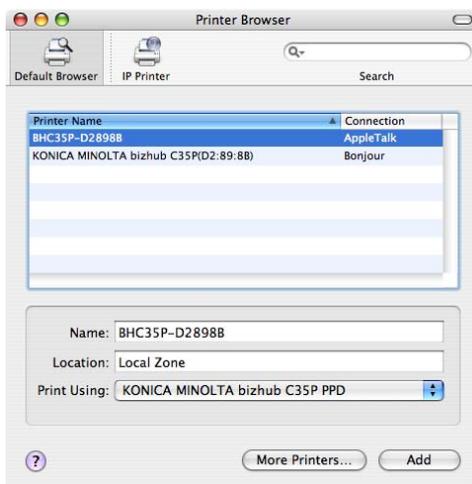
3 In the **Printer List**, click **Add**.



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



4 Select **BHC35P-xxxxxx** in the **Printer Browser**.





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

5 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.

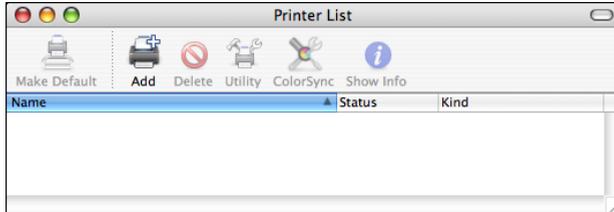
6 Click **Add**.

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

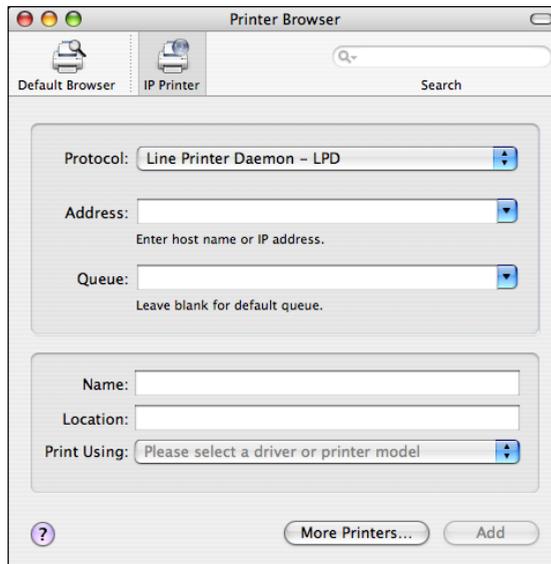


## IP Printing Setting

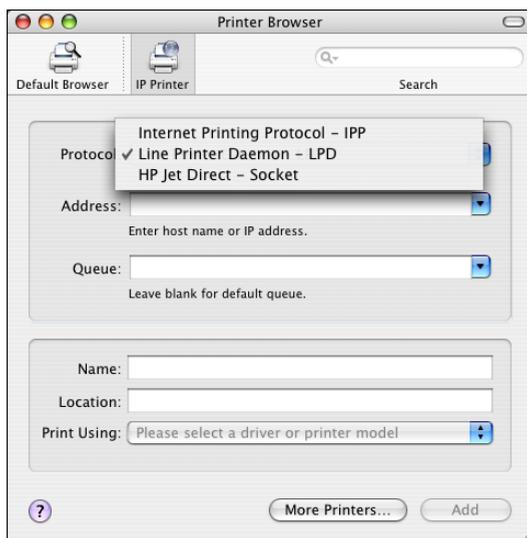
- 1 Connect the machine to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by clicking Startup Disk, then **Applications**, then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Click **IP Printer**.

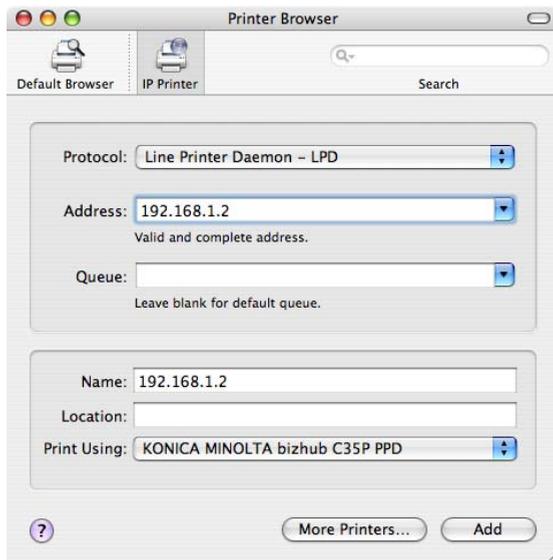


5 Select desired print protocol from the **Protocol** pop-up menu.



- 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 machine in the **Address** text box.



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

7 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.

8 Click **Add**.

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



- 10 Click **Continue**.

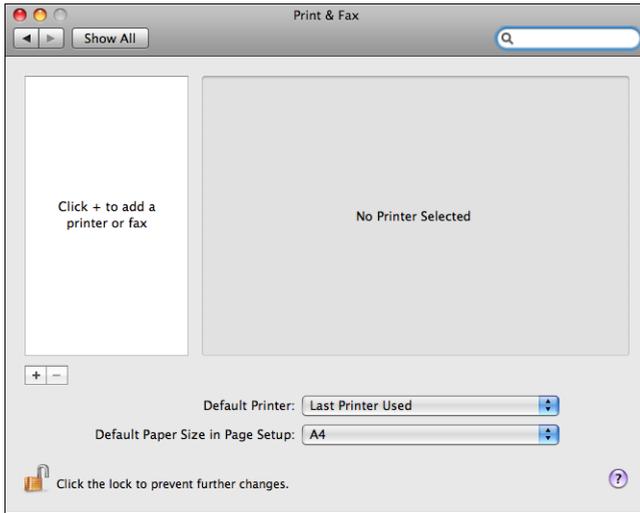
*The new printer appears in the **Printer List** screen.*



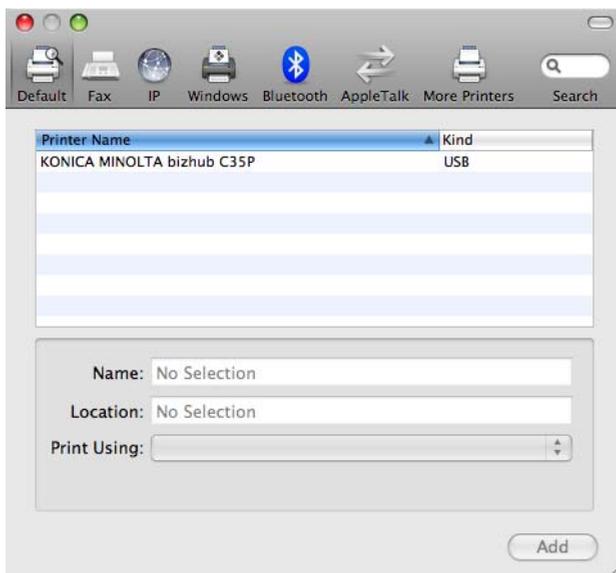
# Printer Settings (Mac OS X 10.5)

## When Using a USB Connection

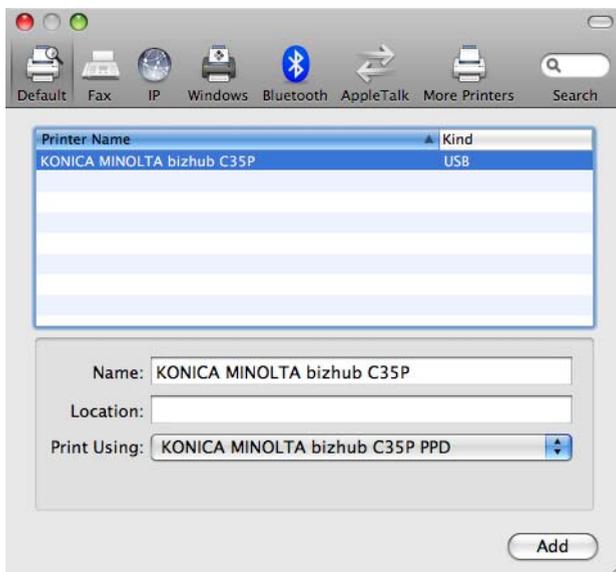
- 1 Use a USB cable to connect the printer to your computer.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



The detected printer appears in the Printer Browser.



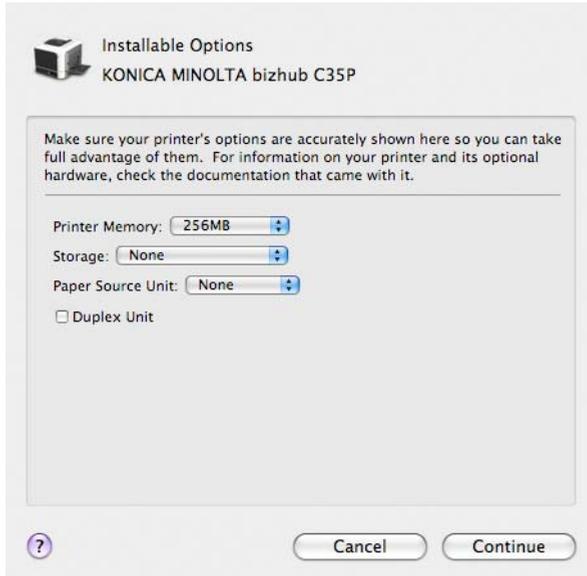
5 Select **KONICA MINOLTA bizhub C35P** in the **Printer Name** list.





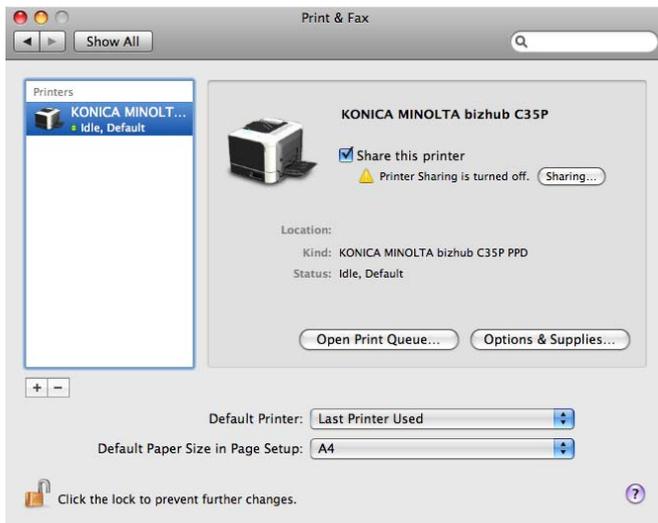
If **KONICA MINOLTA bizhub C35P** does not appear, check that the printer is turned on and the USB cable is connected, and then restart the computer.

- 6 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.
- 7 Click **Add**.
- 8 Select the appropriate settings in the **Printer Memory, Storage, Paper Source Unit** and **Duplex Unit** according to your printer setup.



9 Click **Continue**.

The new printer appears in the **Print & Fax** screen.

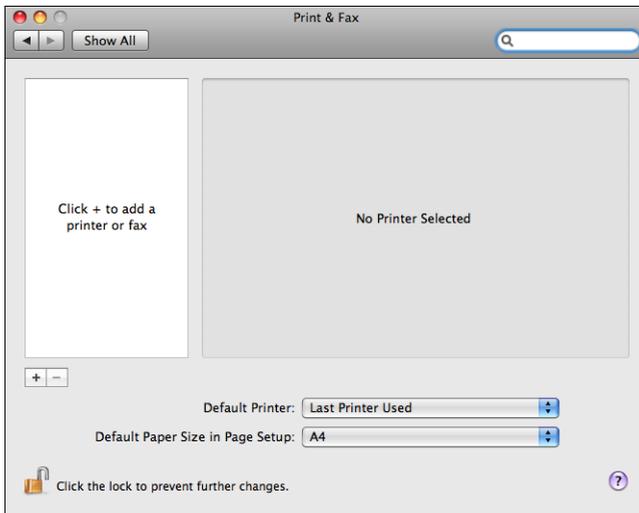


## When Using a Network Connection

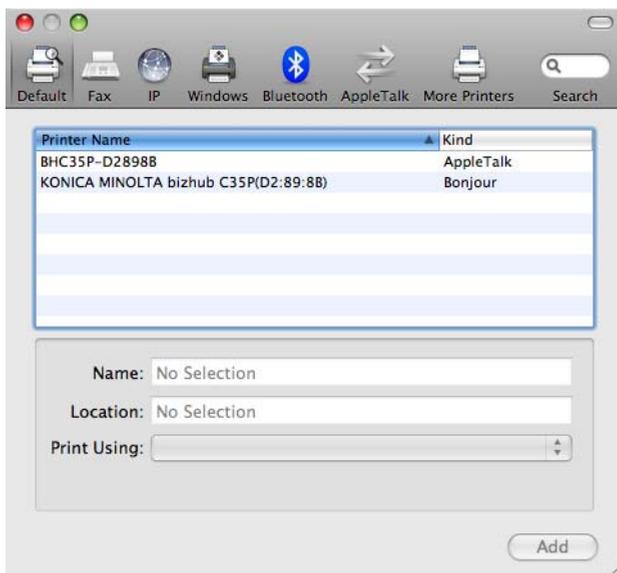
The network connection settings can be specified in one of three ways: Bonjour Setting, AppleTalk setting and IP printing setting (IPP, LPD or Socket).

### Bonjour Setting

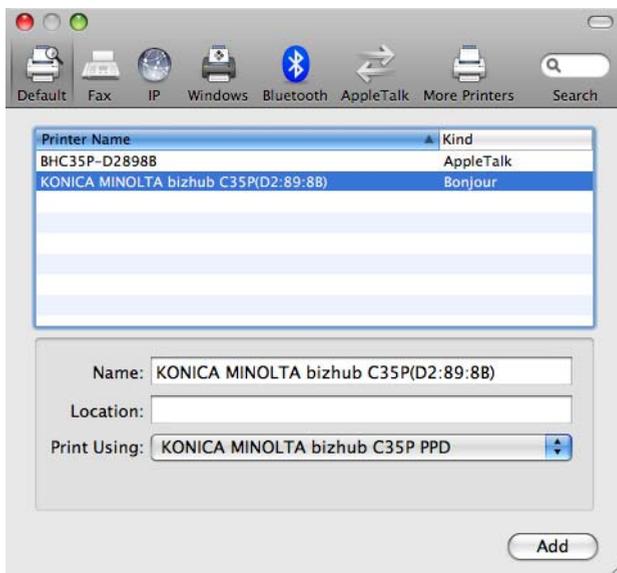
- 1 Connect the machine to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



The detected printer appears in the Printer Browser.

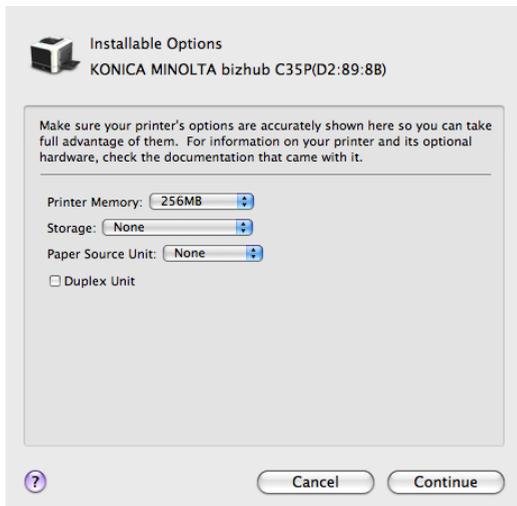


- 5 Select **KONICA MINOLTA bizhub C35P(xx:xx:xx)** in the **Printer Name** list.



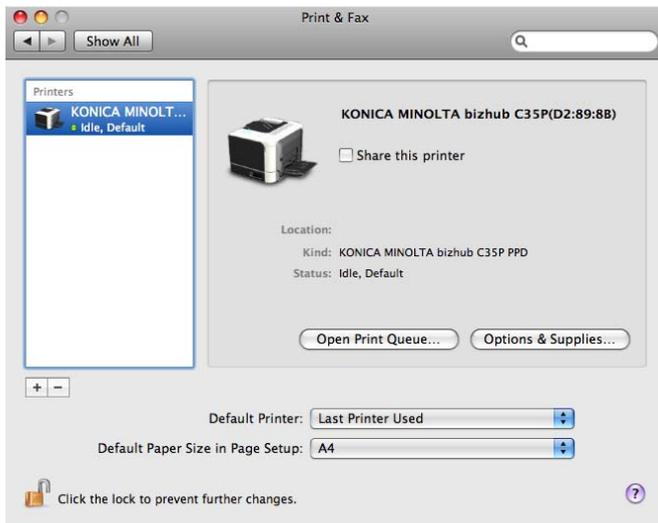
“xx:xx:xx” refers to the last six digits of the MAC address (in hexadecimal).

- 6 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.
- 7 Click **Add**.
- 8 Select the appropriate settings in the **Printer Memory, Storage, Paper Source Unit** and **Duplex Unit** according to your printer setup.



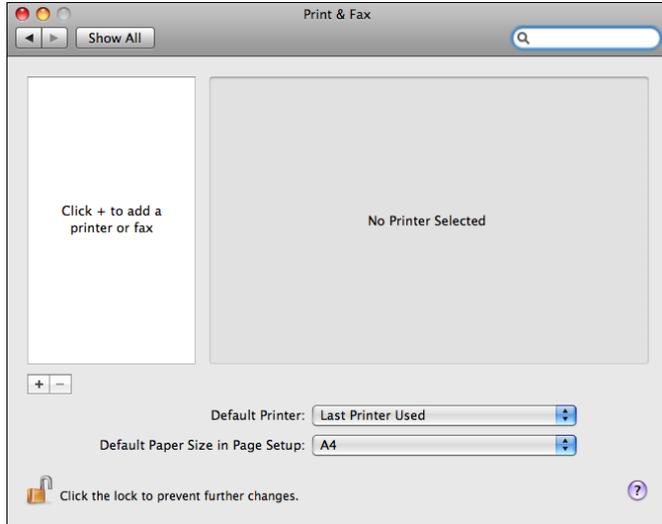
- 9 Click **Continue**.

*The new printer appears in the **Print & Fax** screen.*

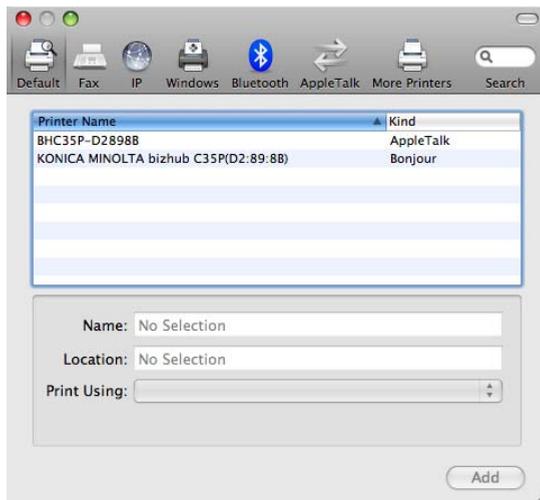


## AppleTalk Setting

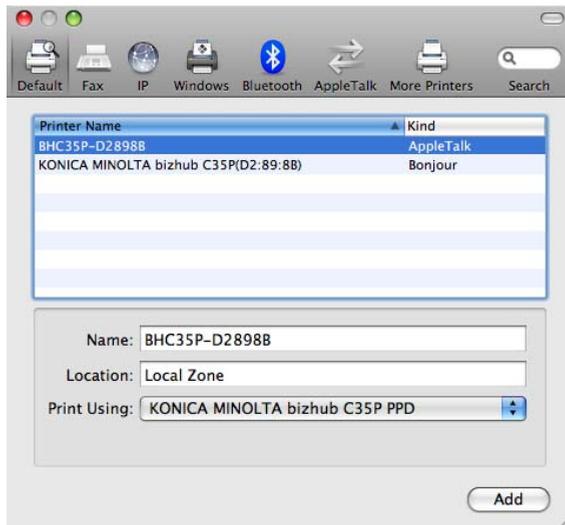
- 1 Connect the machine to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click + button.



*The detected printer appears in the Printer Browser.*



5 Select **BHC35P-xxxxxx** in the **Printer Name** list.

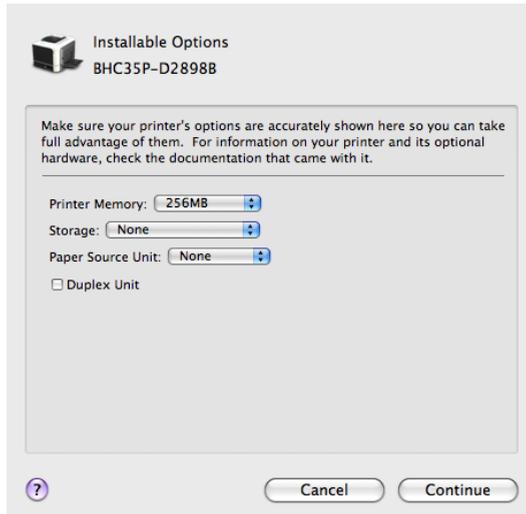


"xxxxxxx" refers to the last six digits of the MAC address (in hexadecimal).

6 Check that **KONICA MINOLTA bizhub C35P PPD** is selected in the **Print Using** list.

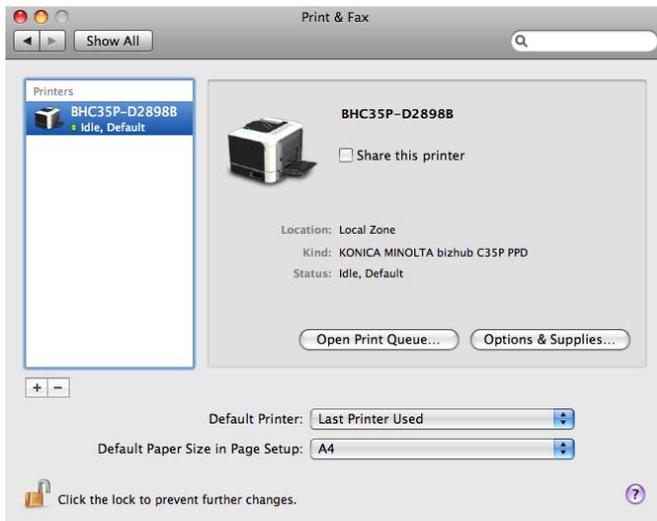
7 Click **Add**.

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



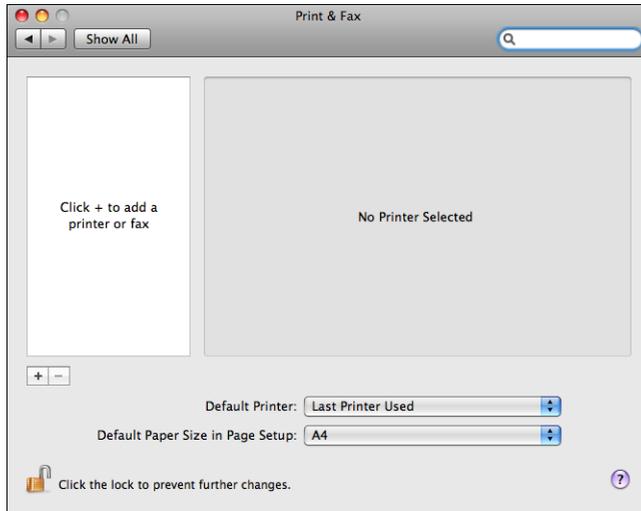
- 9 Click **Continue**.

*The new printer appears in the **Print & Fax** screen.*

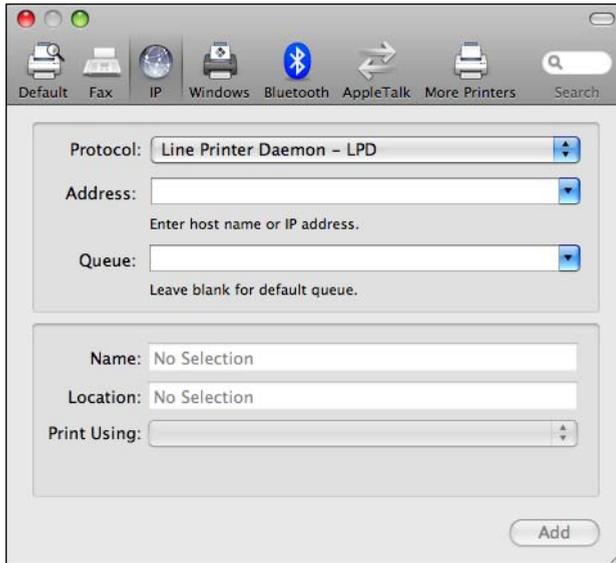


## IP Printing Setting

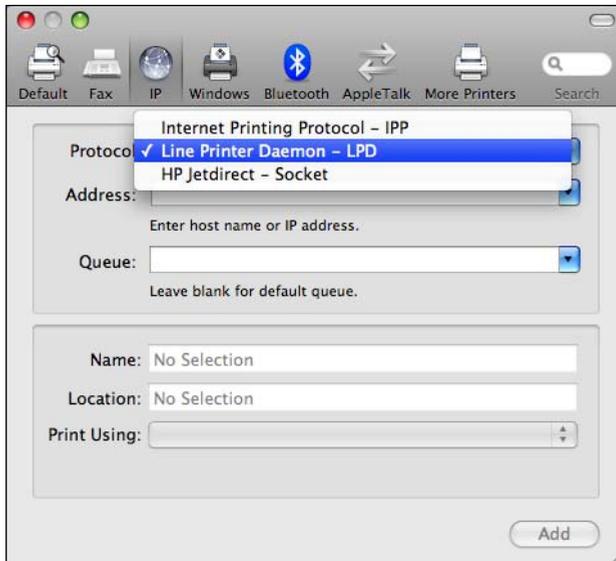
- 1 Connect the machine to an Ethernet network.
- 2 Select **System Preference** from the Apple menu.
- 3 Click **Print & Fax**.
- 4 In the **Print & Fax**, click **+** button.



## 5 Click IP.

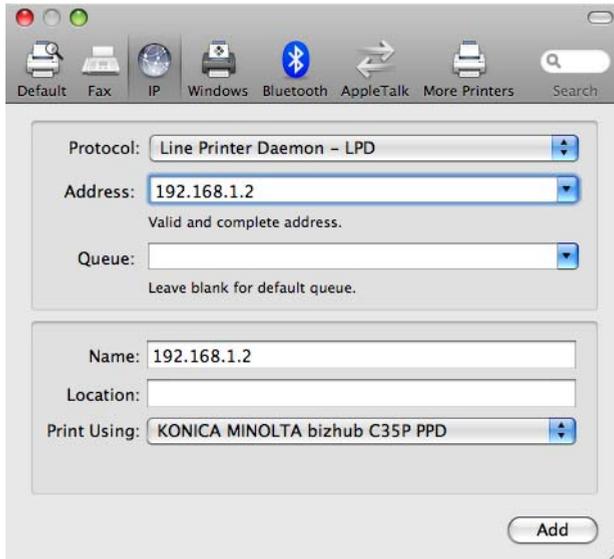


## 6 Select desired print protocol from the **Protocol** pop-up menu.



- 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 Jetdirect - Socket**.

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



Protocol: Line Printer Daemon - LPD

Address: 192.168.1.2  
Valid and complete address.

Queue:   
Leave blank for default queue.

Name: 192.168.1.2

Location:

Print Using: KONICA MINOLTA bizhub C35P PPD

Add

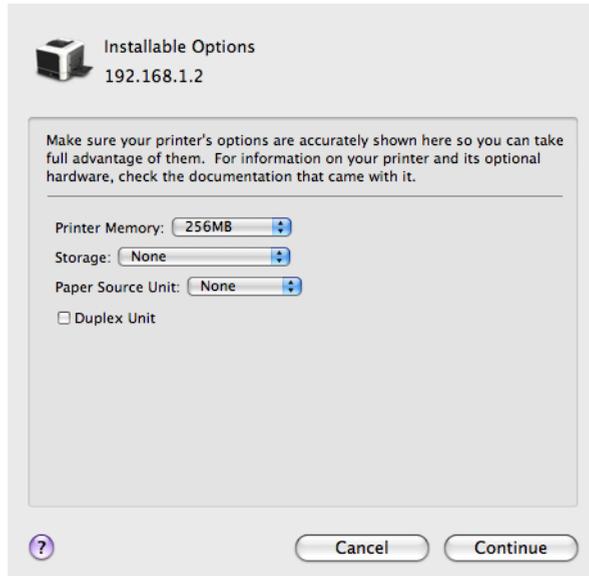


- For an IPP setup, "ipp" in the **Queue** text box.

8 Select **KONICA MINOLTA bizhub C35P PPD** in the **Print Using** list.

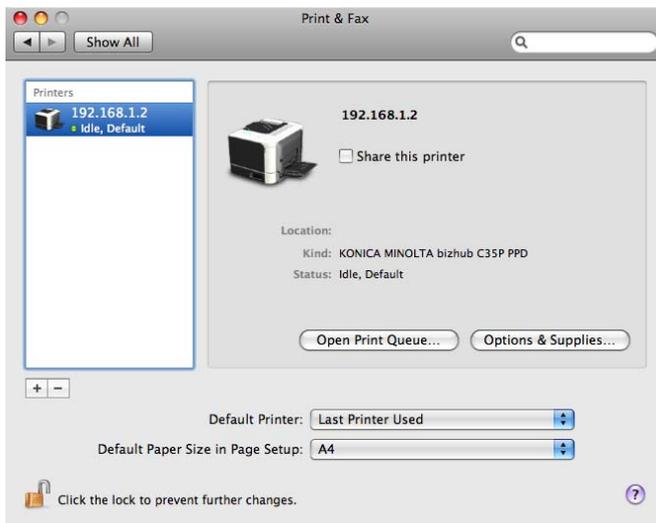
9 Click **Add**.

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



- 11 Click **Continue**.

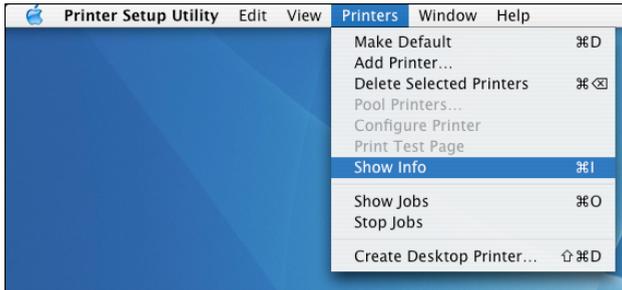
*The new printer appears in the **Print & Fax** screen.*



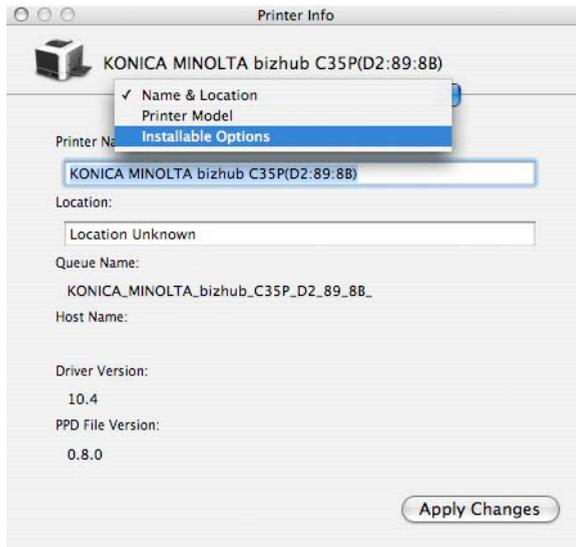
# Selecting Print Options

## For Mac OS X 10.2/10.3/10.4

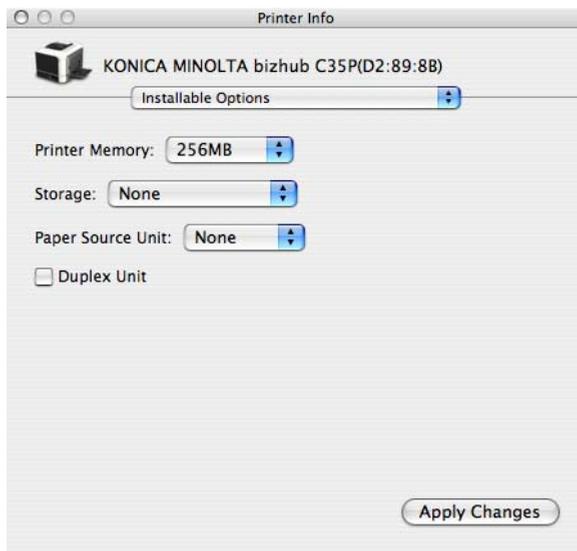
- 1 Open **Printer Setup Utility (Print Center)**, which can be accessed by clicking Startup disk, then **Applications**, then **Utilities**.
- 2 Select this printer in the **Printer List**, and then select **Show Info** from the **Printers** menu.



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



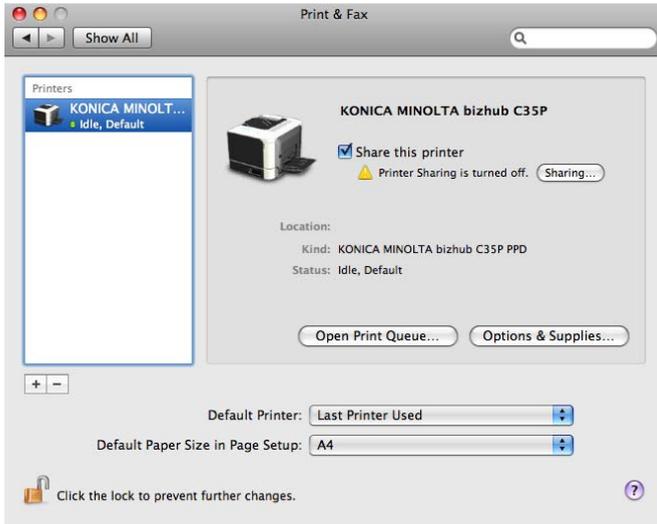
- 4 Select the appropriate settings in the **Printer Memory**, **Storage**, **Paper Source Unit** and **Duplex Unit** according to your printer setup.



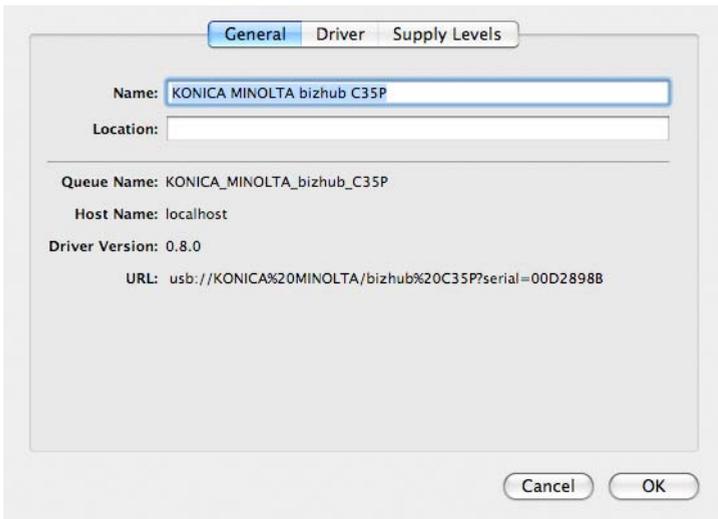
- 5 Click **Apply Changes**.
- 6 Close the **Printer Info** dialog box.

## For Mac OS X 10.5

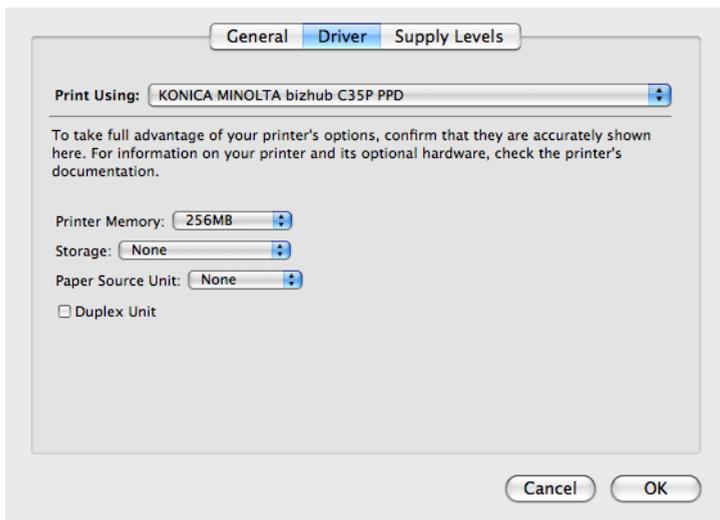
- 1 Select **System Preference** from the Apple menu.
- 2 Click **Print & Fax**.
- 3 Select this printer in the **Printers List**, and then click **Options & Supplies**.



- 4 Select **Driver** tab.



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

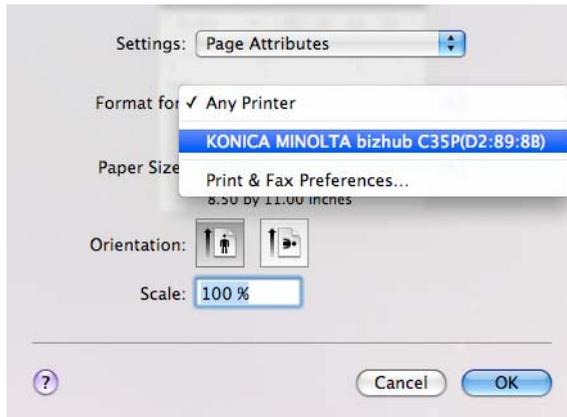


- 6 Click **OK**.
- 7 Close the **Print & Fax** screen.

# Specifying Page Setup Settings (Mac OS X 10.2/10.3/10.4/10.5)

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.

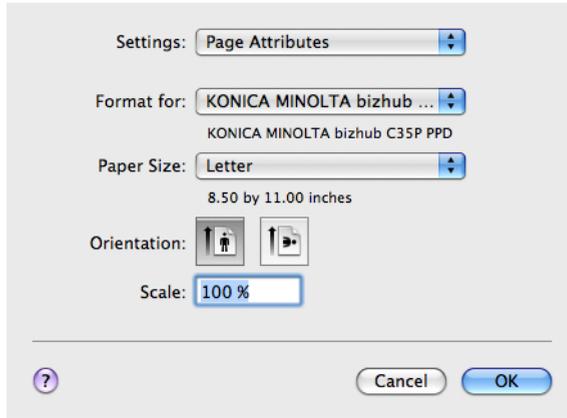


You can select the following sections from the **Settings** pop-up menu.

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%).



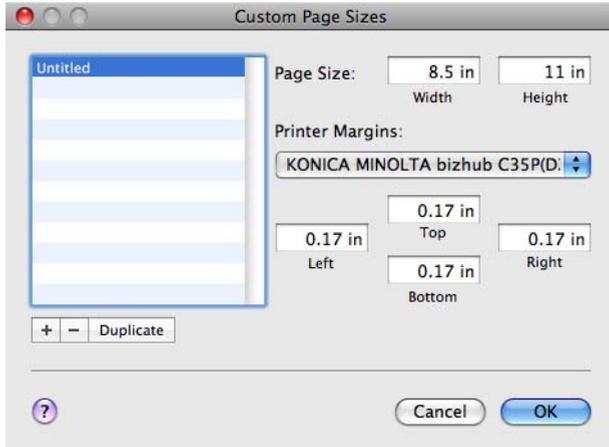
*Regardless of which paper size is selected, the machine does not print within 0.165" (4.2 mm) of the edge of the paper.*

## Specifying Custom Paper Size

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 page size.
- -  
Click this button to delete a custom page size.
- Duplicate  
Click this button to duplicate (copy) the settings of an existing custom page size and create a new custom page size based on those settings.
- Page Size  
Enter the dimensions of the paper height and width for the custom page size.  
**Single-sided**  
**Width:** 3.63 - 8.50" (92 - 216 mm)  
**Height (Tray 1):** 5.83 - 14.00" (148 - 356 mm)  
**Height (Tray 2):** 5.83 - 11.69" (148 - 297 mm)  
  
**Double-sided**  
**Width:** 7.17 - 8.50" (182 - 216 mm)  
**Height (Tray 1):** 10.00 - 14.00" (254 - 356 mm)
- Printer Margins  
Enter the dimensions for the top, left, right, and bottom margins.

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



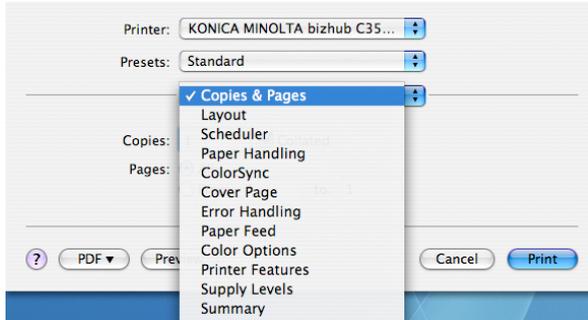
*Regardless of which paper is selected, the printer does not print within 0.165" (4.2 mm) of the edge of the paper.*

# 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.
Paper Feed	This section contains paper feed options.

Section	Description
Color Options	This section contains options for color printing.
Printer Features	This section contains options for specifying paper type and resolution settings.
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.



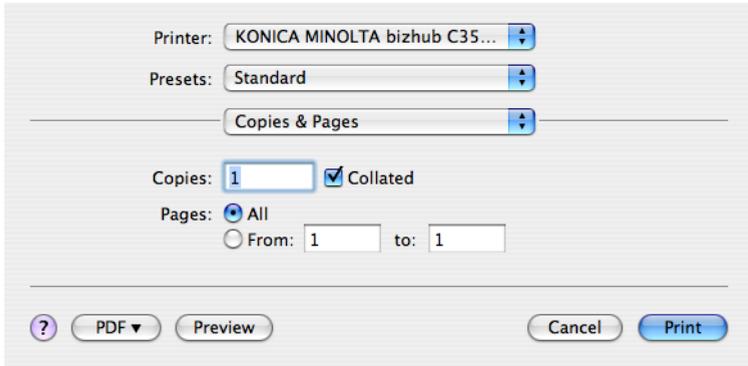
*No warning message will be displayed if options cannot be used together are selected.*

## Common buttons

- ? (Help button)  
Click this button to display 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.



The screenshot shows a print settings dialog box for a KONICA MINOLTA bizhub C35 printer. The 'Copies & Pages' section is expanded, showing the following options:

- Printer: KONICA MINOLTA bizhub C35...
- Presets: Standard
- Copies & Pages: (Expanded)
- Copies: 1 (with a checked 'Collated' checkbox)
- Pages: All (selected radio button), From: 1 to: 1 (unselected radio button)
- Buttons: ? (help), PDF (dropdown), Preview, Cancel, 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.

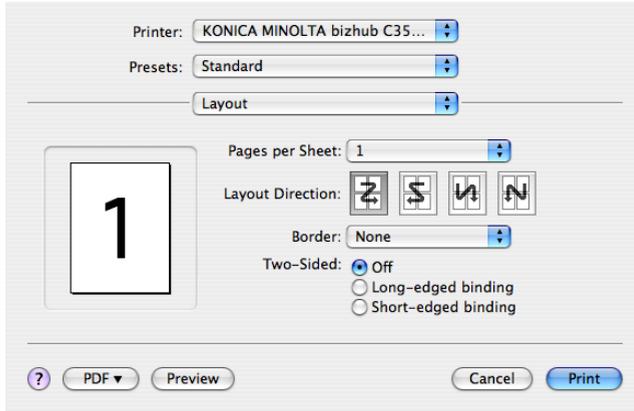
### ■ Pages

**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.

**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.

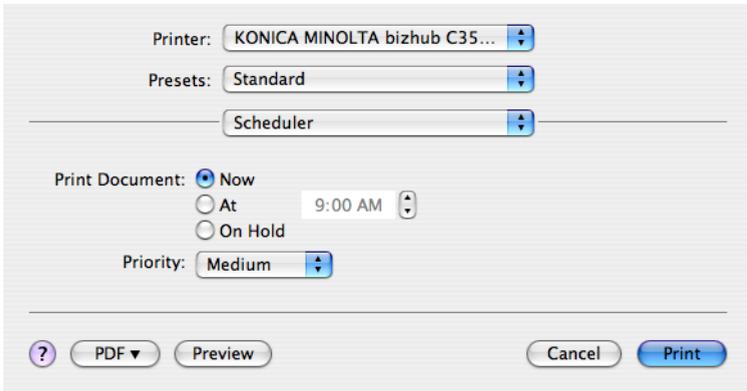


*In order to print on both sides of the paper, the **Duplex Unit** check box must be selected under **Installable Options** (p. 1-60)*

*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.



The screenshot shows a 'Scheduler' dialog box with the following settings:

- Printer: KONICA MINOLTA bizhub C35...
- Presets: Standard
- Scheduler: Scheduler
- Print Document:  Now,  At 9:00 AM,  On Hold
- Priority: Medium

At the bottom, there are buttons for '?', 'PDF', 'Preview', 'Cancel', and 'Print'.

### ■ Print Document

**Now:** Select this option to begin printing immediately.

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

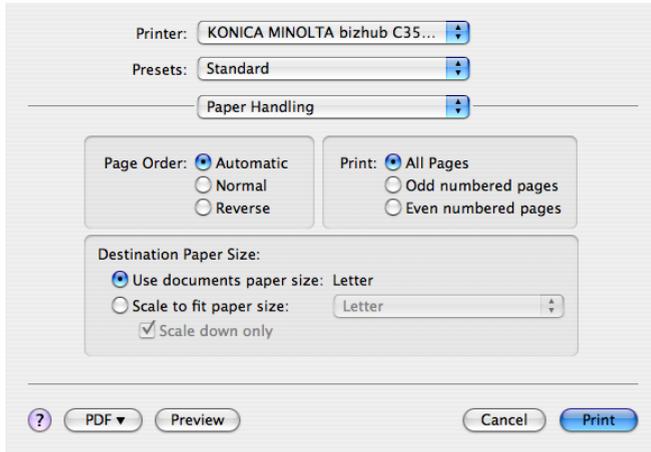
**On Hold:** Select this option to hold the print job.

### ■ 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.



## ■ 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.

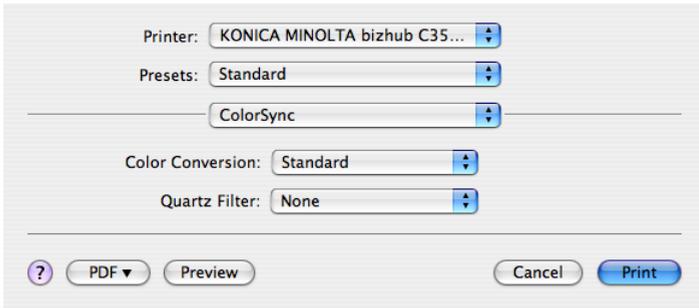
## ■ Destination Paper Size

**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 machine. Specify the size of paper used by the machine.

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

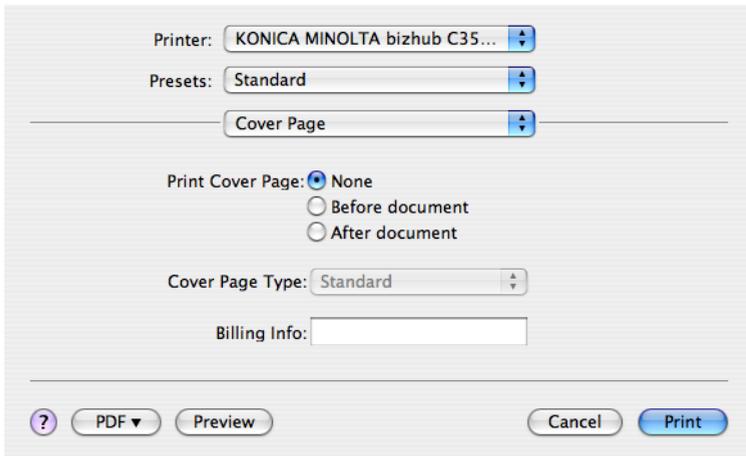
## ColorSync



Printer: KONICA MINOLTA bizhub C35...  
Presets: Standard  
ColorSync  
Color Conversion: Standard  
Quartz Filter: None  
? PDF Preview Cancel Print

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

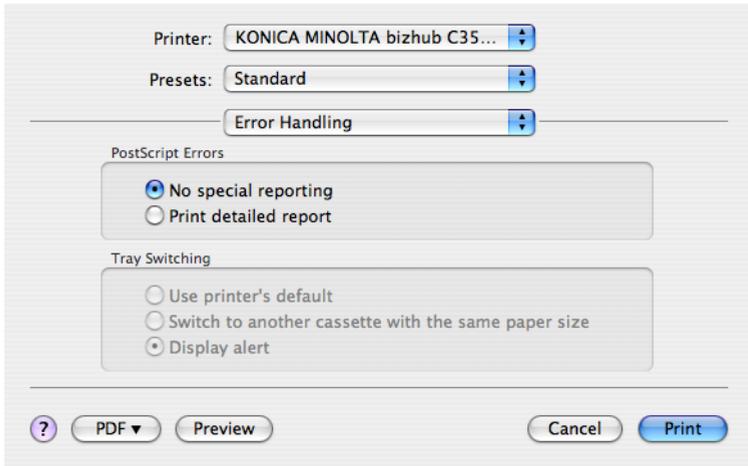
## Cover Page



Printer: KONICA MINOLTA bizhub C35...  
Presets: Standard  
Cover Page  
Print Cover Page:  None  
 Before document  
 After document  
Cover Page Type: Standard  
Billing Info:   
? PDF Preview Cancel Print

- **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 Post-Script 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 bizhub C35...  
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 an **Paper Source Unit** under **Installable Options** (p. 1-60). If an **Paper Source Unit** is not selected, Tray 2 appears in gray and cannot be selected.*

## Color Options

Printer: KONICA MINOLTA bizhub C35...  
Presets: Standard  
Color Options  
Quick Color: Auto  
Brightness: 0%  
 Color as Grayscale  
 Color Separation  
 Economy Print  
Edge Strength: Middle  
 Auto Trapping  
Black Over Print: Off  
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.
- **Auto Trapping**  
Allows you to select whether or not neighboring colors are printed superimposed in order to prevent white space around images.
- **Black Over Print**  
Allows you to specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.

If **Text/Figure** is selected, superimposed printing is applied to text and graphics.

If **Text** is selected, superimposed printing is applied to text.

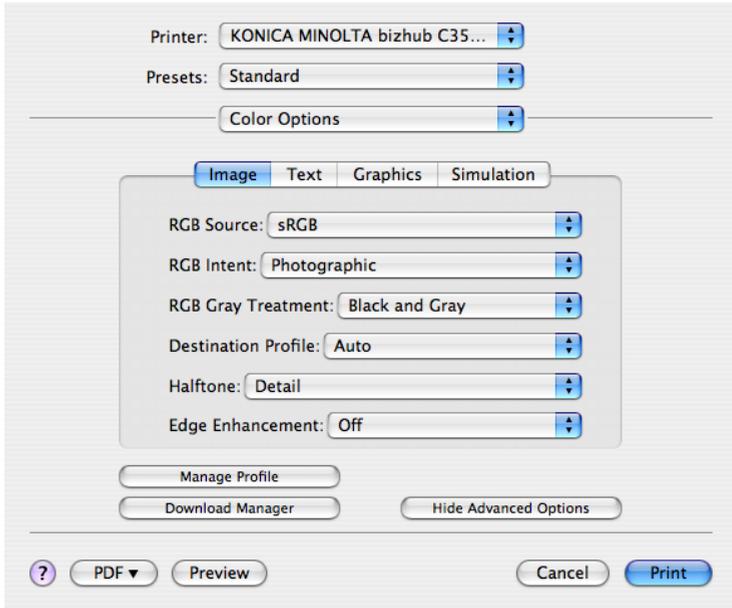
■ **Advanced Color Options**

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



*This button enables when **Custom** is selected under **Quick Color**.*

## 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**

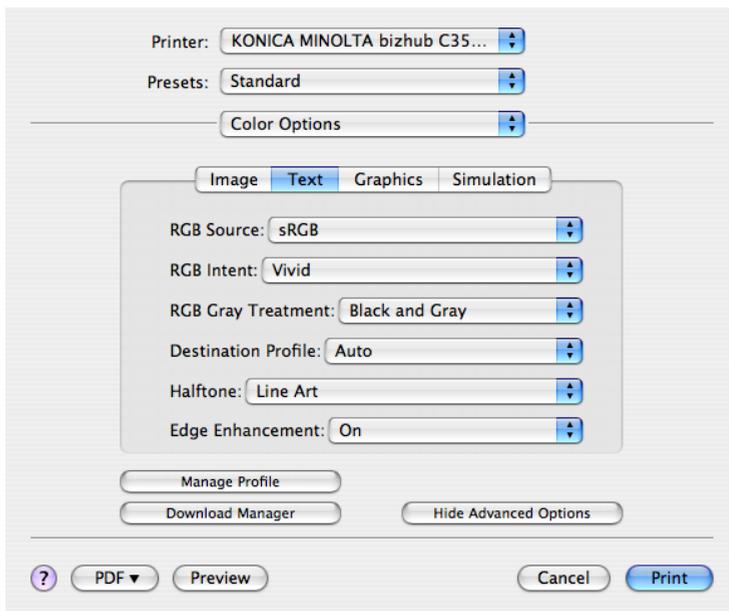
Allows you to select Edge Enhancement for images.

- **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** 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 **Applications/Download Manager bizhub C35P**. After creating the folder **Download Manager bizhub C35P** in the **Applications** folder, copy Download manager into the created folder.*

## Advanced Color Options/Text



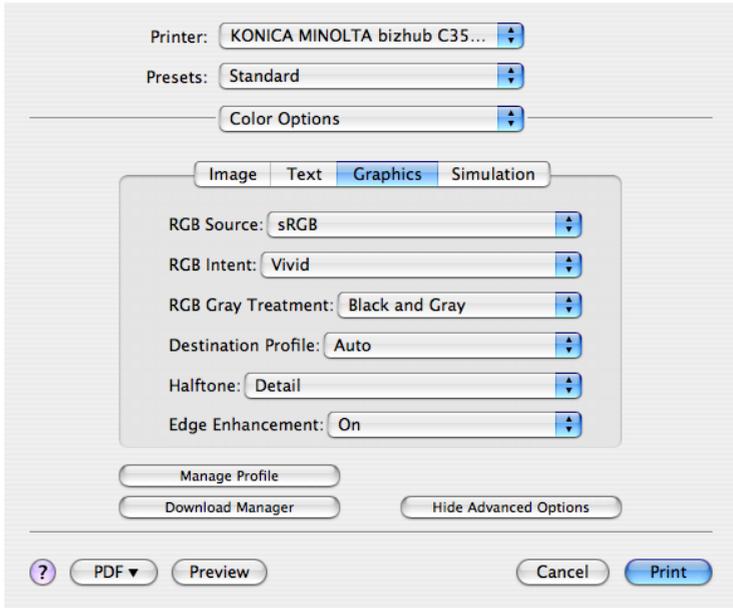
- **RGB Source**  
Allows you to select RGB color profiles for text.
- **RGB Intent**  
Allows you to select color intent for RGB text.

- **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** 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 **Applications/Download Manager bizhub C35P**. After creating the folder **Download Manager bizhub C35P** in the **Applications** folder, copy Download manager into the created folder.*

## Advanced Color Options/Graphics



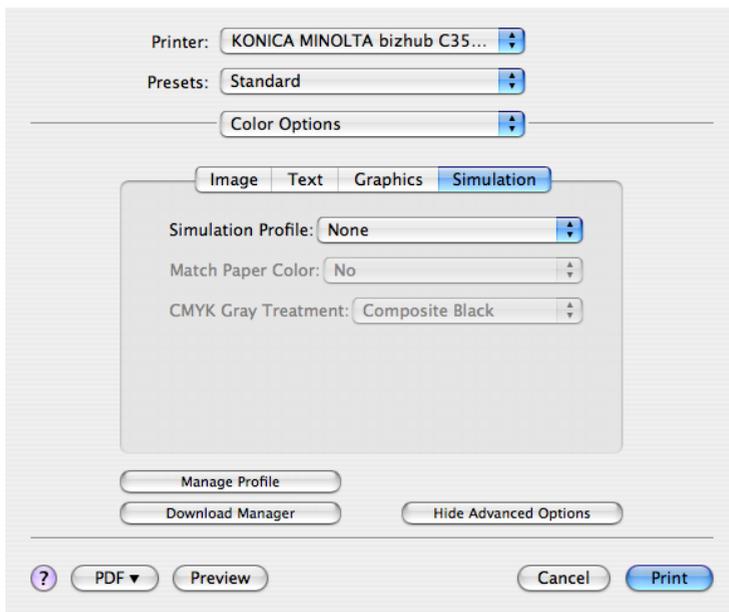
- **RGB Source**  
Allows you to select RGB color profiles for graphics.
- **RGB Intent**  
Allows you to select color intent for RGB graphics.
- **RGB Gray Treatment**  
Allows you to select RGB gray treatment for graphics.
- **Destination Profile**  
Allows you to select Destination Profile for graphics.
- **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** 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 **Applications/Download Manager bizhub C35P**. After creating the folder **Download Manager bizhub C35P** in the **Applications** folder, copy Download manager into the created folder.

## Advanced Color Options/Simulation



- Simulation Profile  
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** and **Simulation Profile** of the **Advanced Color Options** pane.

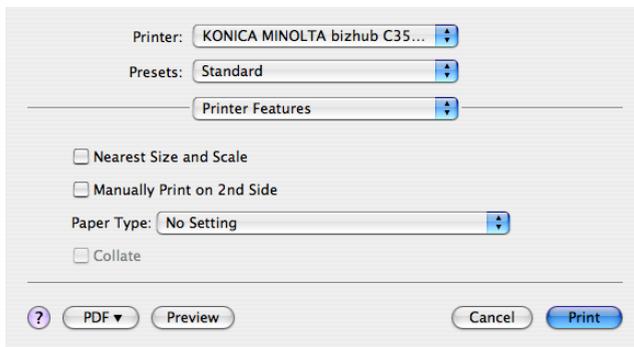
■ **Download Manager**

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 **Applications/Download Manager bizhub C35P**. After creating the folder **Download Manager bizhub C35P** in the **Applications** folder, copy Download manager into the created folder.*

## Printer Features



■ **Nearest Size and Scale**

If no paper tray contains paper of the specified size, the page is automatically enlarged or reduced and paper of the most appropriate size is selected.

■ **Manually Print on 2nd Side**

This feature must be set when you set paper already printed on the front side.

■ **Paper Type**

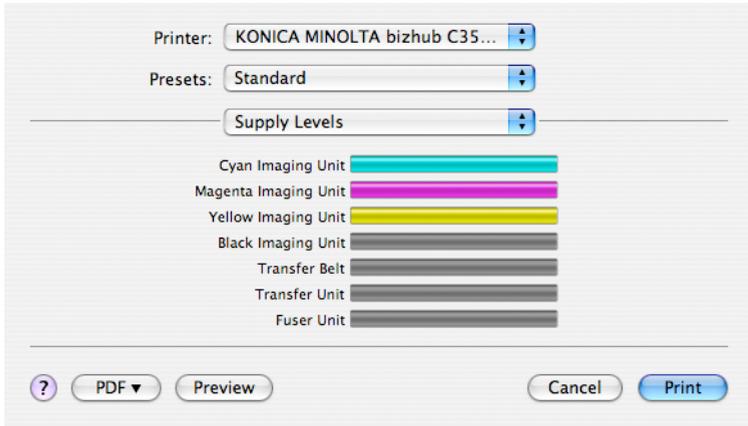
Select the desired paper type from the Paper Type pop-up menu.

■ **Collate**

Select whether or not to use the collate function.

## Supply Levels

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



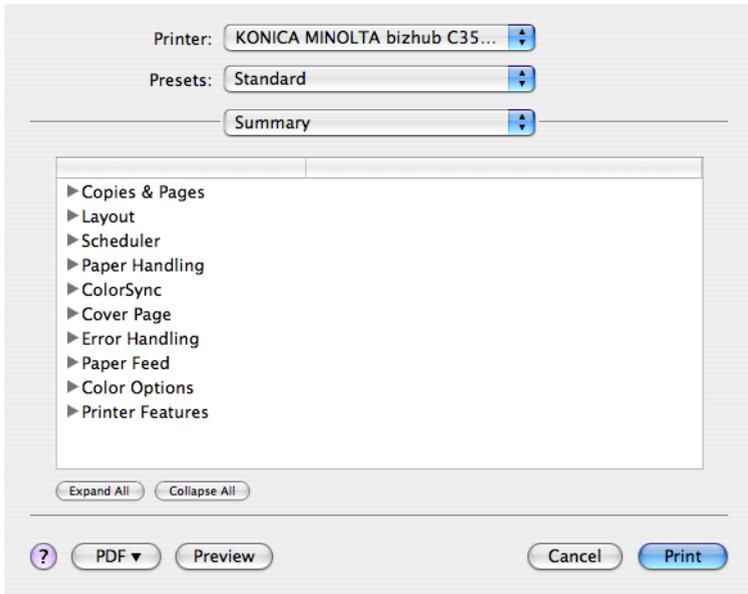
The **Supply Levels** section appears when a printer is created on Mac OS X v10.4 with a Bonjour, IPP, LPD, Socket connection.



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

## Summary

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



# Specifying Print Settings (Mac OS X 10.5)

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

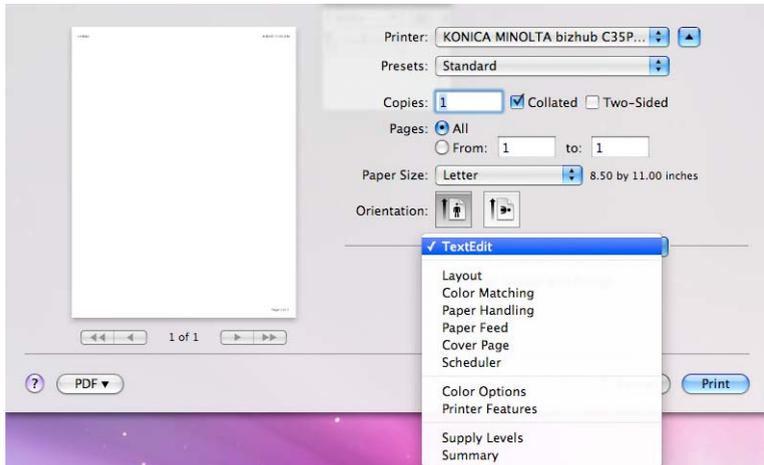
1 Select **Print...** from the **File** menu.

*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
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.
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.

Section	Description
Color Options	This section contains options for color printing.
Printer Features	This section contains options for specifying paper type and resolution settings.
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.



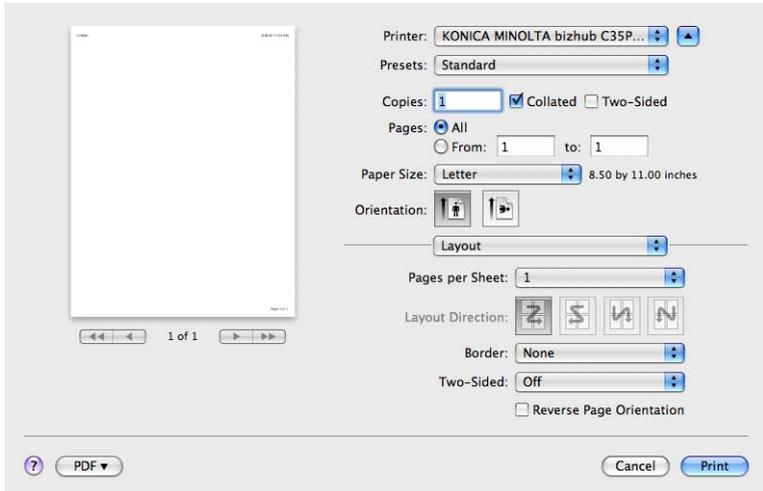
*No warning message will be displayed if options cannot be used together are selected.*

## 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 printouts. 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.
- 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.

## 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.

**Off:** Double-sided printing is not performed.

**Long-edge binding:** Double-sided printing is performed with the binding along the long edge of the paper.

**Short-edge binding:** Double-sided printing is performed with the binding along the short edge of the paper.



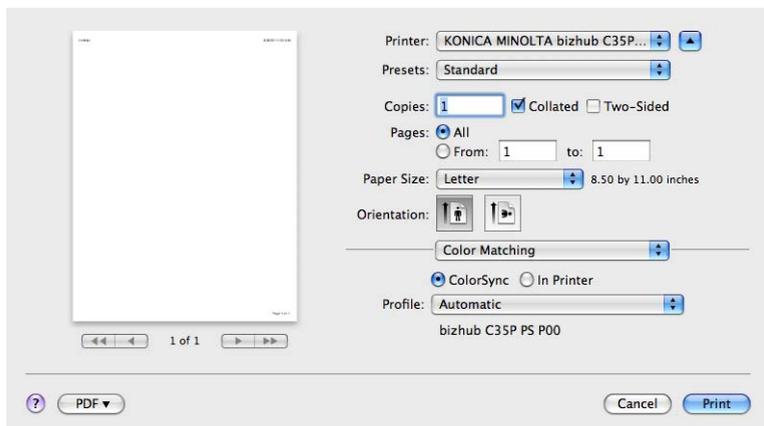
*In order to print on both sides of the paper, the **Duplex Unit** check box must be selected under **Installable Options** (p. 1-60).*

*If **Long-edge binding** or **Short-edge binding** is selected although the **Duplex Unit** check box has not been selected, a message appears, indicating that double-sided printing cannot be performed.*

## ■ Reverse Page Orientation

The printing direction is inverted vertically.

## Color Matching



## ■ Color Matching

ColorSync: Allows you to select host-based color matching.

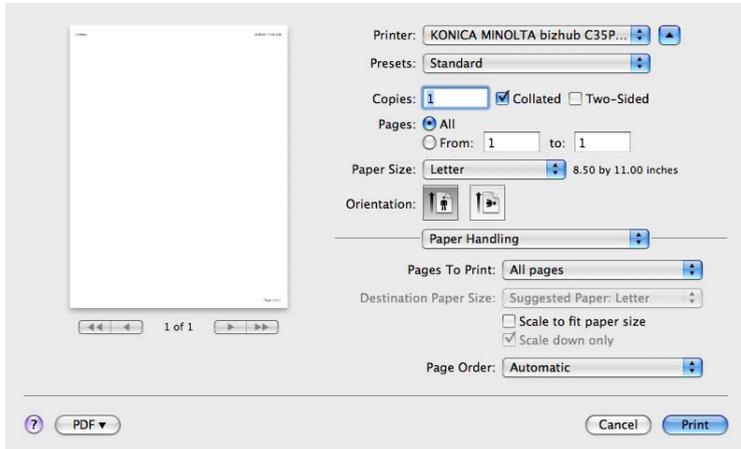
In Printer: Allows you to select printer-based color matching.

## ■ 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

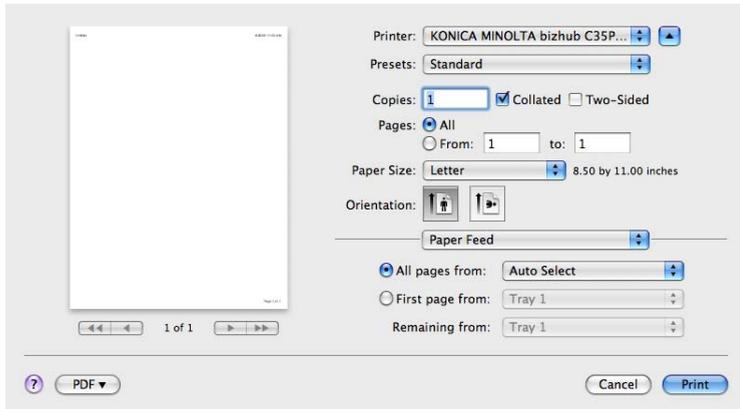
**Automatic:** Select this option to print in the original page order of the document.

**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.

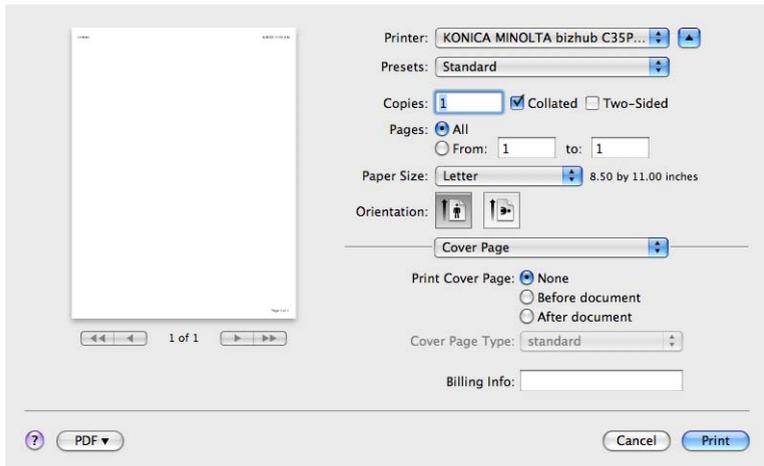


- **All pages from**  
All pages in the document are printed using the paper in the specified paper tray.
- **First page from**  
The first page of the document is printed on paper from a paper tray different from the tray used to print the rest of the document.
- **Remaining from**  
The rest of the 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 an **Paper Source Unit** under **Installable Options** (p. 1-60). If an **Paper Source Unit** is not selected, Tray 2 appears in gray and cannot be selected.*

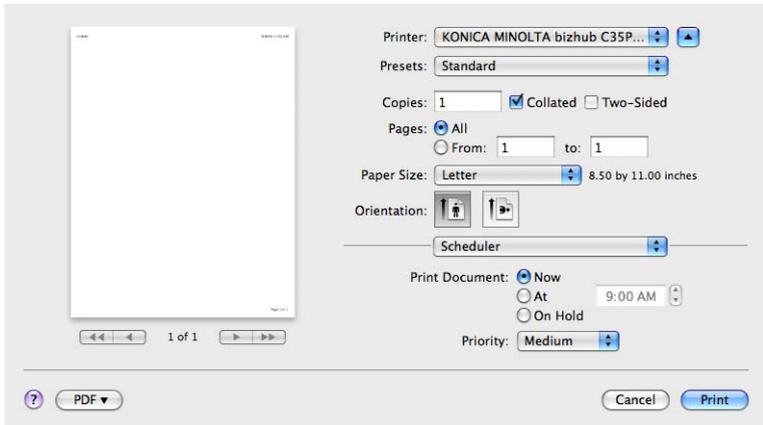
## Cover Page



- **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.

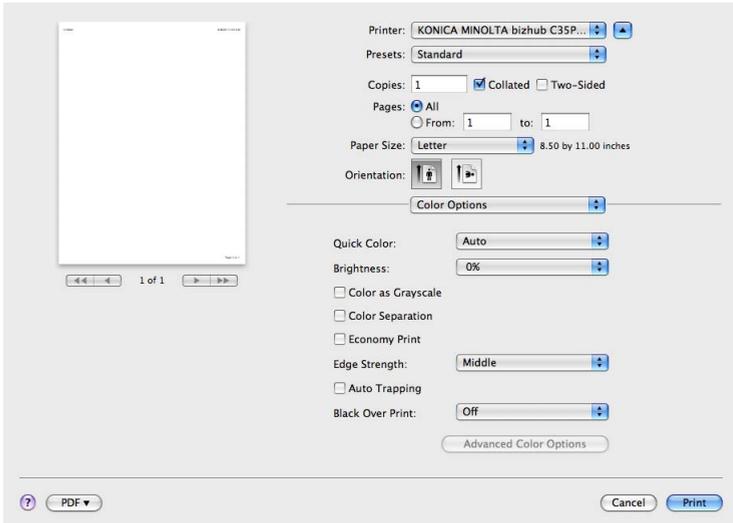
**At:** Specify the time to begin printing.

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

- **Priority**

Select the priority for printing jobs that are being held.

# Color Options



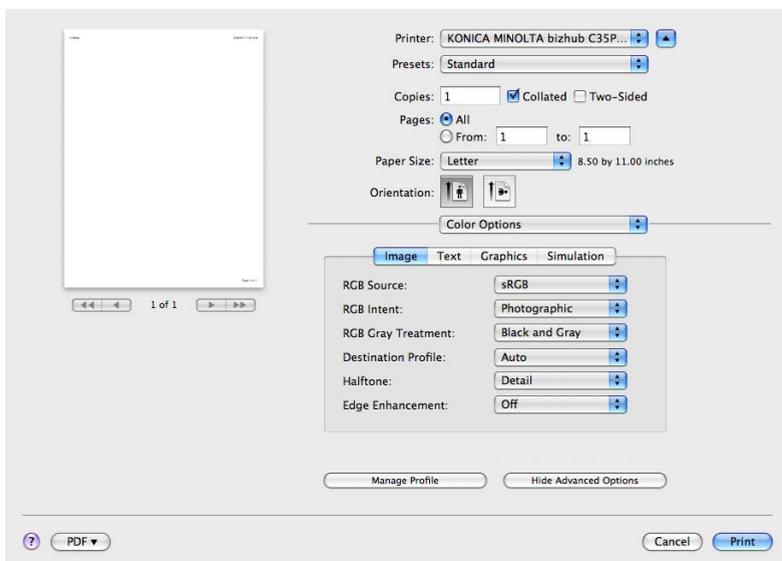
- **Quick Color**  
Allows you to select a color preset.
- **Brightness**  
Allows you to set Brightness.
- **Color as Grayscale**  
Allows you to set Grayscale color.
- **Color Separation**  
Allows you to set Color Separation.
- **Economy Print**  
Allows you to set Economy Print mode.
- **Edge Strength**  
Allows you to select Edge Strength.
- **Auto Trapping**  
Allows you to select whether or not neighboring colors are printed super-imposed in order to prevent white space around images.

- **Black Over Print**  
Allows you to specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.  
If **Text/Figure** is selected, superimposed printing is applied to text and graphics.  
If **Text** is selected, superimposed printing is applied to text.
- **Advanced Color Options**  
Click this button to display the **Advanced Color Options** pane.



*This button enables when **Custom** is selected under **Quick Color**.*

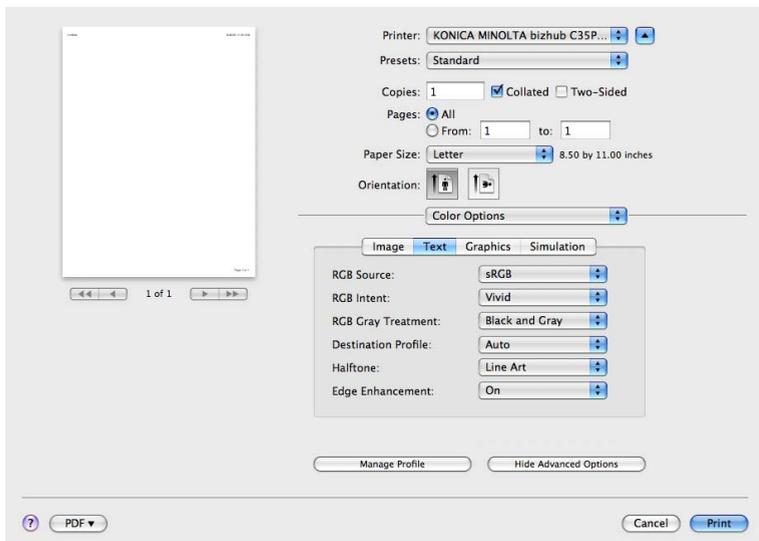
## Advanced Color Options/Image



- **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** and **Simulation Profile** of the **Advanced Color Options** pane.

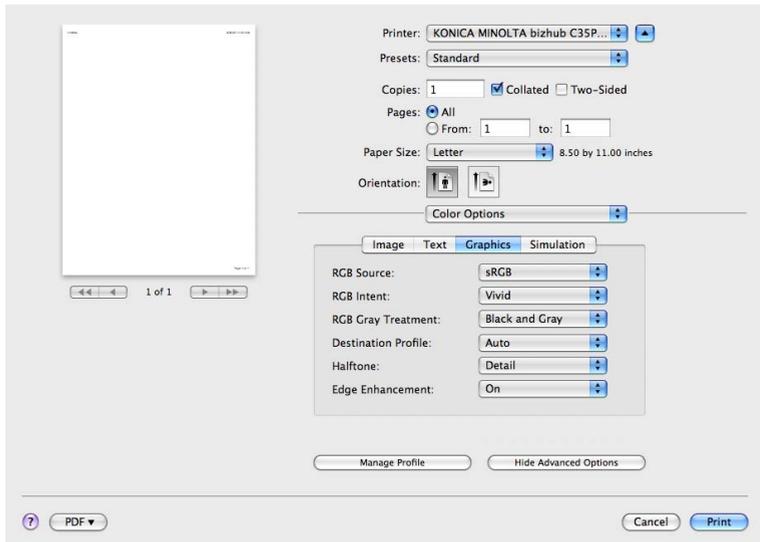
## Advanced Color Options/Text



- **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.

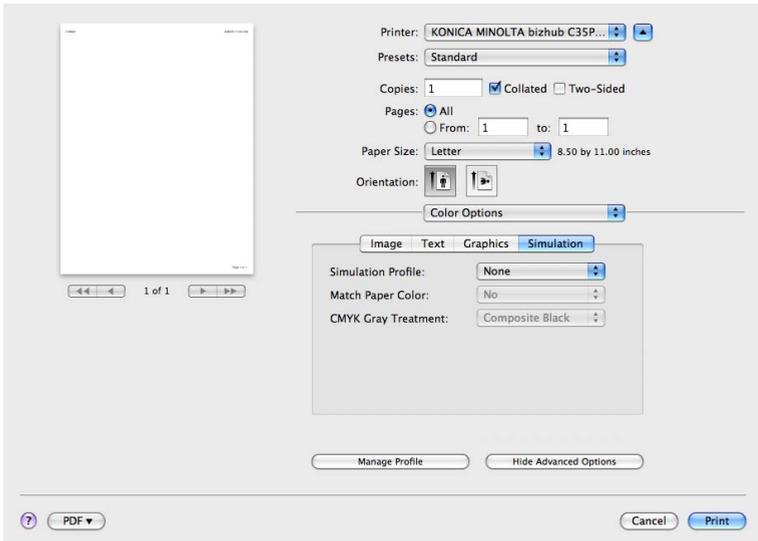
- **Edge Enhancement**  
Allows you to select Edge Enhancement for text.
- **Hide Advanced Options**  
Click this button to hide the **Advanced Color Options** pane and display the **Color Options** pane.
- **Manage Profile**  
Click this button to display the Color Profile Management dialog box. From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

## Advanced Color Options/Graphics



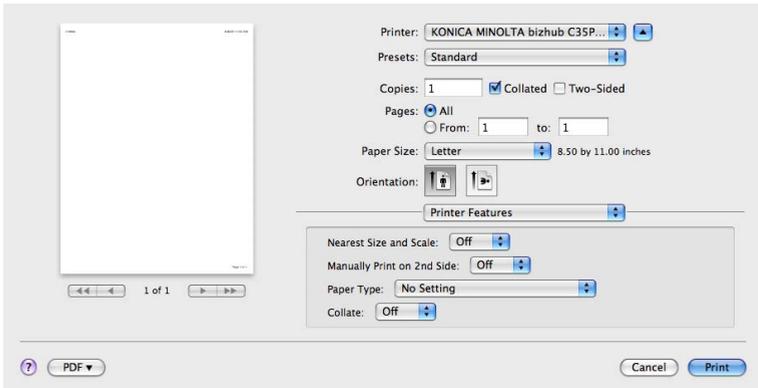
- **RGB Source**  
Allows you to select RGB color profiles for graphics.
- **RGB Intent**  
Allows you to select color intent for RGB graphics.
- **RGB Gray Treatment**  
Allows you to select RGB gray treatment for graphics.
- **Destination Profile**  
Allows you to select Destination Profile for graphics.
- **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** and **Simulation Profile** of the **Advanced Color Options** pane.

# Advanced Color Options/Simulation



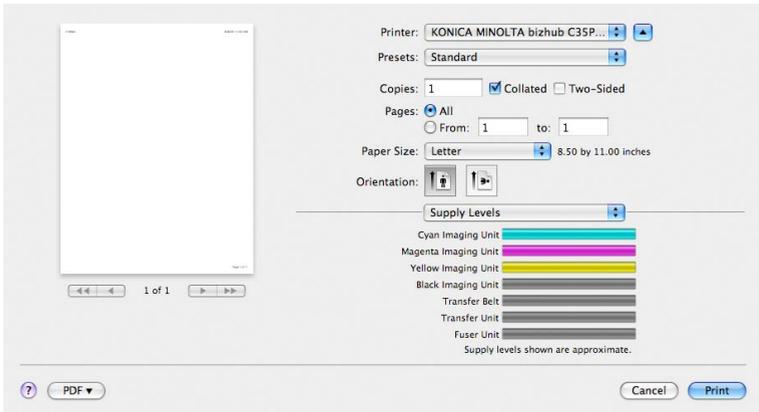
- **Simulation Profiles**  
Allows you to select color profiles for simulation.
- **Match Paper Color**  
Allows you to set Match Paper Color.
- **CMYK Gray Treatment**  
Allows you to select Simulation gray treatment.
- **Hide Advanced Options**  
Click this button to hide the **Advanced Color Options** 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** and **Simulation Profile** of the **Advanced Color Options** pane.

# Printer Features



- **Nearest Size and Scale**  
If no paper tray contains paper of the specified size, the page is automatically enlarged or reduced and paper of the most appropriate size is selected.
- **Manually Print on 2nd Side**  
This feature must be set when you set paper already printed on the front side.
- **Paper Type**  
Select the desired paper type from the Paper Type pop-up menu.
- **Collate**  
Select whether or not to use the collate function.

# Supply Levels



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



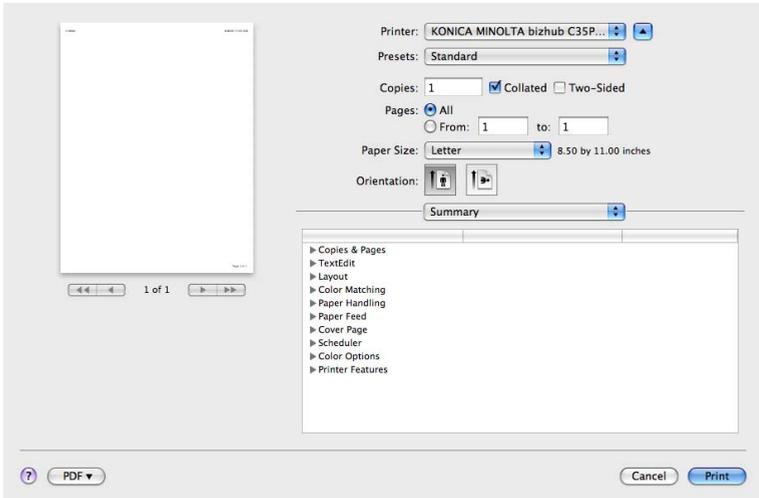
*The **Supply Levels** section appears when a printer is created on Mac OS X v10.5 with a Bonjour, IPP, LPD, Socket connection.*



*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 10.5 is described below.*

## Preparation

Install the printer driver, and then add the printer. For details on adding the printer, refer to “Printer Settings (Mac OS X 10.5)” on page 1-45.

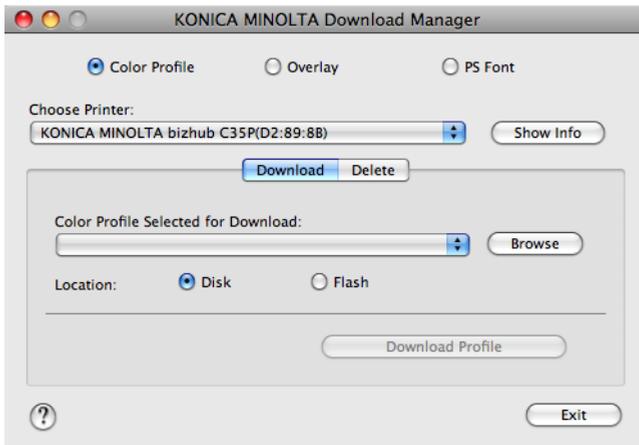
## Downloading Color Profiles

Use Download Manager to download any color profile to the hard disk or the CompactFlash card of the machine.



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

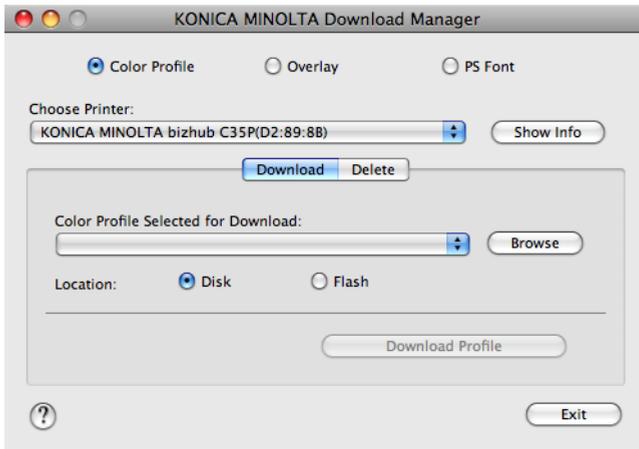
- 1 Start Download Manager.
- 2 In the Download Manager window, select **Color Profile**. Then, from the **Choose Printer** list, select the printer where the color profile is to be saved.



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



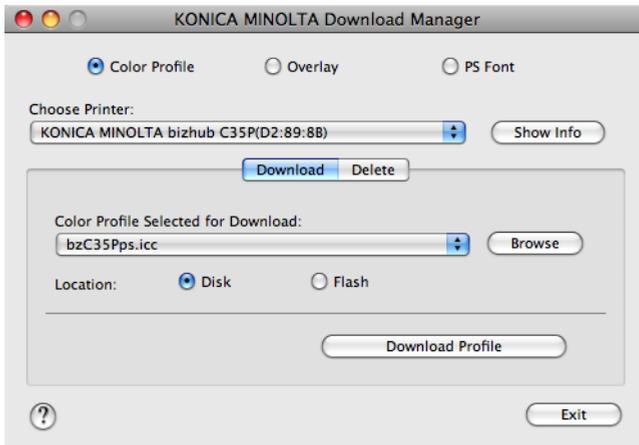
"Flash" means CompactFlash card.



**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**.

8 Save to the computer the color profile downloaded to the printer.



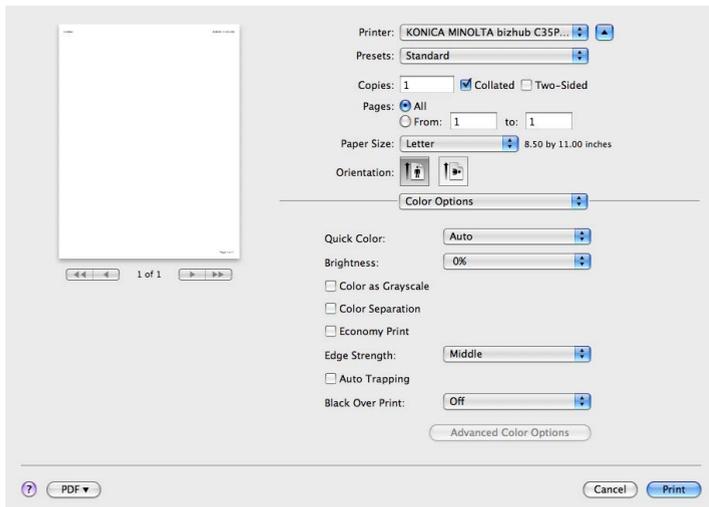
*Next, specify the printer driver settings.*

## Specifying Printer Driver Settings

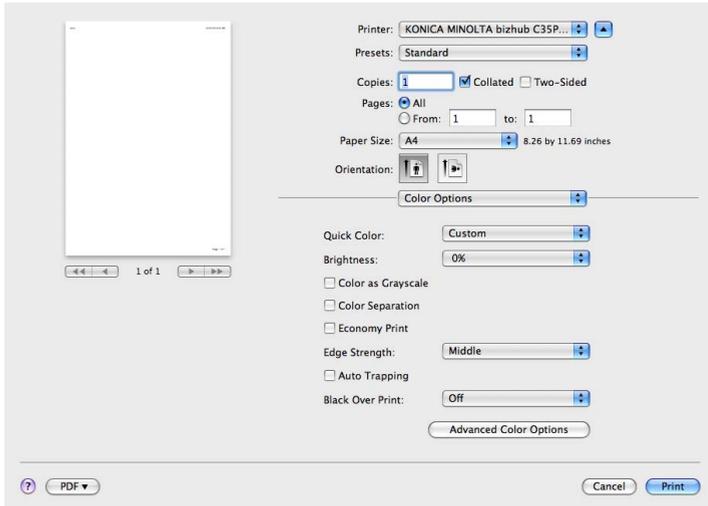
Add the color profile to the printer driver.

1 Display the Print dialog box for the application.

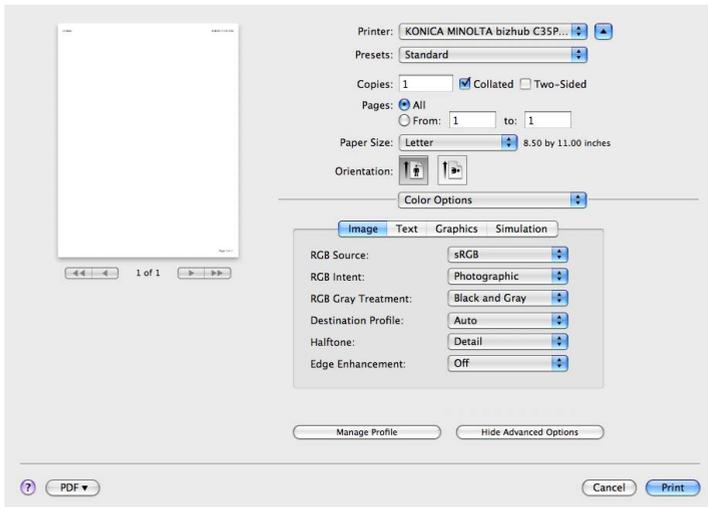
2 Select **Color Options**.



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



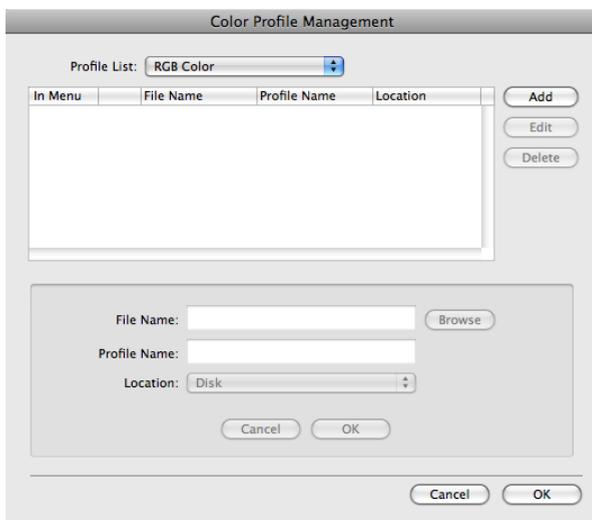
**4** Click **Manage Profile**.



**5** From **Profile List**, select the profile to be added, and then click **Add**.



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



- 6 Click **Browse**, and then select the color profile saved to the computer in the previous section.



*If necessary, type a description of the profile in the **Profile Name** box.*

Color Profile Management

Profile List: Simulation

In Menu	File Name	Profile Name	Location
---------	-----------	--------------	----------

Add  
Edit  
Delete

File Name:  Browse

Profile Name:

Location: Disk

Cancel OK

Cancel OK

- 7 Click **OK**.

Color Profile Management

Profile List: Simulation

In Menu	File Name	Profile Name	Location
---------	-----------	--------------	----------

Add  
Edit  
Delete

File Name: bzC35Pps.icc Browse

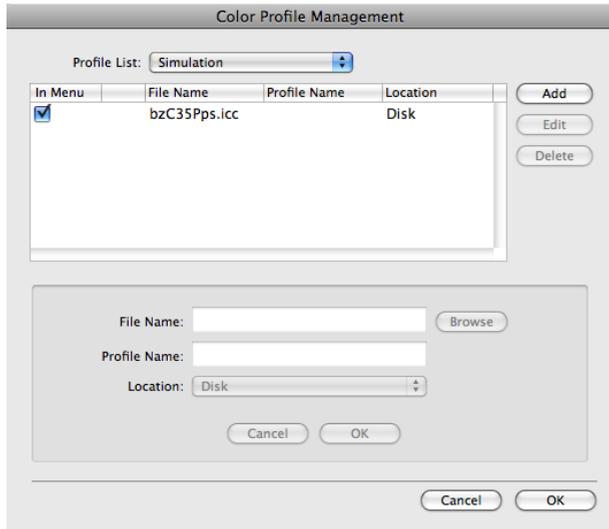
Profile Name:

Location: Disk

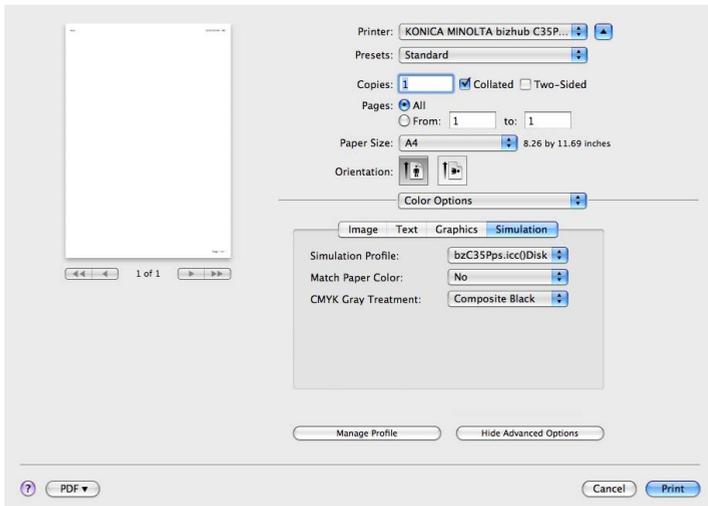
Cancel OK

Cancel OK

- 8 Check that the color profile is added to the list and that the check box beside its file name is selected, and then click **OK**.



- 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 "Thick paper", is specified for Tray 1 or Tray 2, a media type error appears and the printer stops. Be sure to specify a media type supported by Tray 1 or Tray 2.
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.
The printer is not detected using Rendezvous/Bonjour.	Using PageScope Web Connection, select the <b>Enable</b> on the <b>Bonjour</b> page. For details, refer to page 7-138.
Checking the version number of the printer driver and PPD file.	<ul style="list-style-type: none"> <li>■ For Mac OS X 10.4: Select the printer from Printer Setup Utility, and then click <b>Show Info</b> in the <b>Printers</b> menu. In the pop-up menu of the Printer Info dialog box, select <b>Name &amp; Location</b>.</li> <li>■ For Mac OS X 10.5: Select the printer from <b>Print &amp; Fax</b>, and then click <b>Options &amp; Supplies</b>. Click <b>General</b> tab.</li> </ul>
The dialog box may appear unusual when selecting other manufacturer printer and back to bizhub.	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 due to OS round of errors in unit conversion (for example, 5.80" may change to 5.79").

<b>Symptom</b>	<b>Solution</b>
When printing 2 pages on a single sheet of paper, the pages are not centered on the paper.	Depending on the operating system, the pages are not centered on the paper when printing two pages on a single sheet of paper with the following paper sizes.  Legal, Letter Plus, Foolscap, Government Legal, Statement, Folio
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 feature provided by the operating system.
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  
Linux*

**2**



# 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 Enterprise Linux 5 Desktop SUSE Linux Enterprise Desktop 10
Connecting the computer and printer	USB connection, Network connection (10Base-T/100Base-TX/1000Base-T)
RAM	More than OS recommendation (128 MB or more is recommended)
Network	LPR
	AppSocket/HP JetDirect
	IPP
Available hard disk space	256 MB or more



*As an example, the descriptions of the operations for Red Hat Enterprise Linux 5 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.*

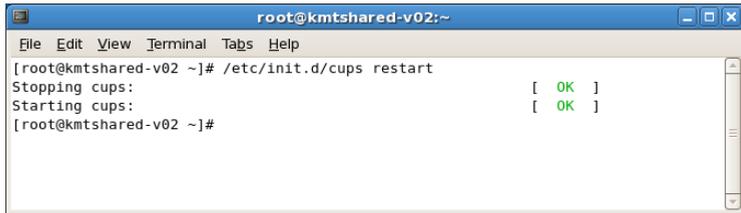
- 1 Copy the ppd file from the Printer Driver CD/DVD to the “/usr/share/cups/model” on the computer.



*A ppd file for each language is available in the corresponding “Drivers/LinuxPPD/<language>” folder on the CD/DVD. Use the appropriate ppd file for the language.*

- 2 From the Main Menu, select **Applications**, then **Accessories**, then **Terminal**.

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



```
root@kmtshared-v02:~  
File Edit View Terminal Tabs Help  
[root@kmtshared-v02 ~]# /etc/init.d/cups restart  
Stopping cups: [ OK ]  
Starting cups: [ OK ]  
[root@kmtshared-v02 ~]#
```

- 4 Quit Terminal.

## Adding the Printer Using Printer configuration



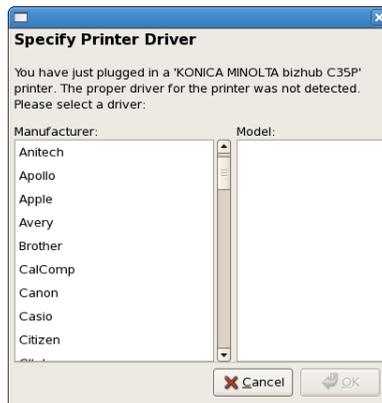
*Before proceeding with the installation, be sure to exit all running applications.*



*Root privileges are required in order to add the printer.*

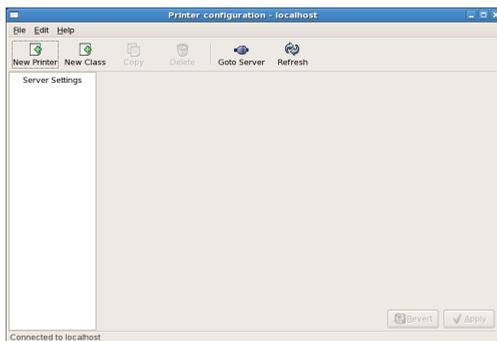
- 1 Connect the printer to a computer or the network.

*- With a USB connection, the following dialog box appears. Click **Cancel** to close the dialog box.*



- 2 Insert the Printer Driver CD/DVD in the CD/DVD drive of your computer.
- 3 From the **System** menu, select **Administration**, then **Printing**.

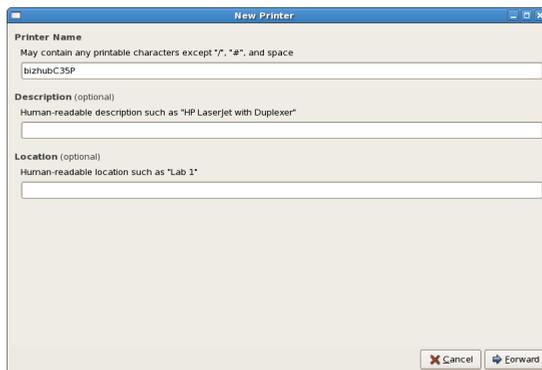
*The Printer configuration dialog box appears.*



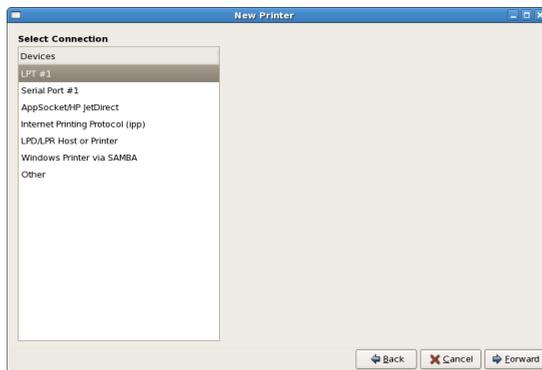
**4** Click **New Printer**.

*The New Printer dialog box appears.*

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



*The printers that can be used are automatically searched for and listed in the left pane of the dialog box.*



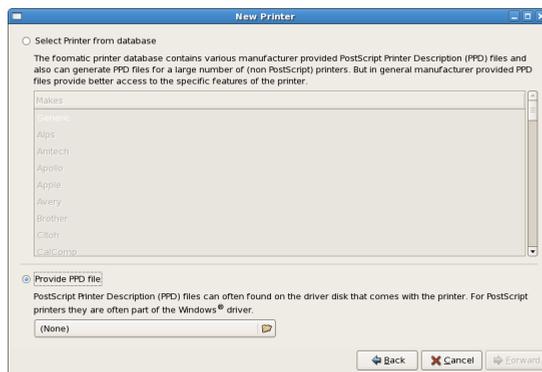
- 6 From the left pane of the dialog box, select the port for the printer to be installed.
- For a USB connection, select **KONICA MINOLTA bizhub C35P USB #1**.
  - For a printer connected to the network, select **KONICA MINOLTA bizhub C35P <IP address>**.
  - If the desired printer is not listed, select a device port from the **Devices** list. In the right pane of the dialog box, type in the host name or IP address for the printer.



- TCP/IP: **AppSocket/HP jetDirect, Internet Printing Protocol (ipp) or LPD/LPR Host or Printer**
- Host name of Internet Printing Protocol (ipp): **<IP address>/ipp**

7 Click **Forward**.

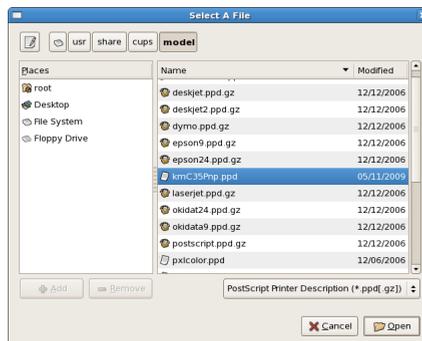
8 Select **Provide PPD file**.



9 Click the folder icon.

*The Select A File dialog box appears.*

10 Select the PPD file.

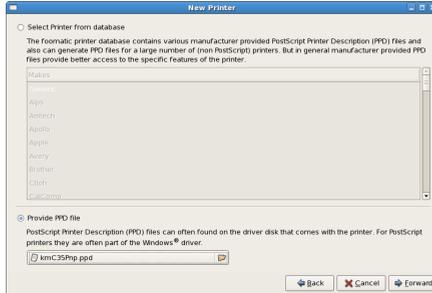




A *ppd* file for each language is available in the corresponding "Drivers/LinuxPPD/<language>" folder on the CD/DVD. Use the appropriate *ppd* file for the language.

## 11 Click **Open**.

The *Select A File* dialog box is closed, and the name of the selected PPD file is displayed.



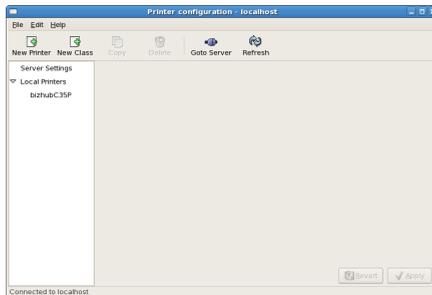
## 12 Click **Forward**.

A confirmation message appears.



## 13 Click **Apply**.

The following dialog box appears.



# Adding the Printer on the CUPS Administration Web page



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



Root privileges are required in order to add the printer.

1 Connect the printer to a computer or the network.

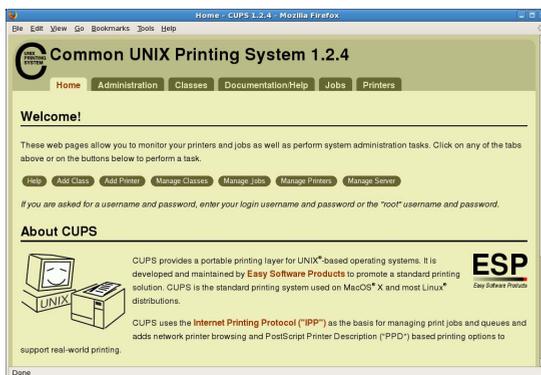
- With a USB connection, the following dialog box appears. Click **Cancel** to close the dialog box.



2 Start up the Web browser.

3 Enter the URL "http://localhost:631".

The CUPS Administration Web page appears.



4 Click **Add Printer**.

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 Pro-  
tocol (http) or LPD/LPR Host  
or Printer

- USB: USB Printer #1



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



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

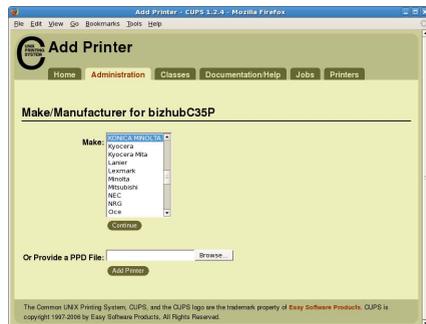


8 Click **Continue**.

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



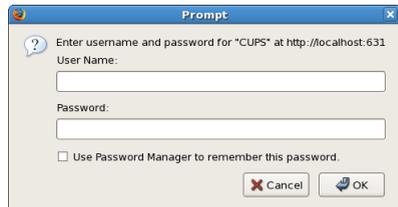
*A ppd file for each lan-*  
*guage is available in the*  
*corresponding "Drivers/*  
*LinuxPPD/<language>"*  
*folder on the CD/DVD.*  
*Use the appropriate ppd*  
*file for the language.*



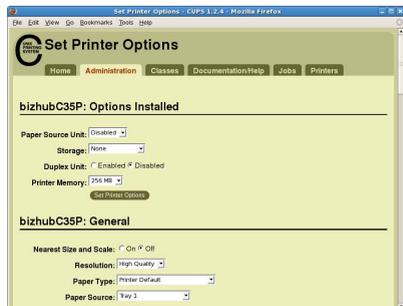
- 10 Select **KONICA MINOLTA bizhub C35P (en)**, then click **Add Printer**.



A pop-up window appears.



- 11 Enter the user name and password for using root privileges, and then click **OK**. The following message appears.



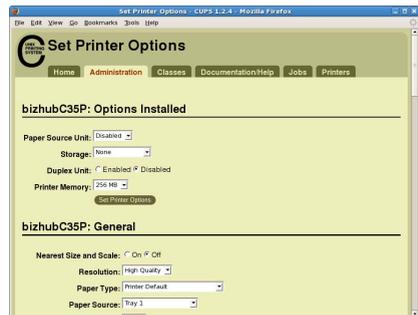
# Specifying Printer Driver Settings

## Displaying the Settings Page

- 1 Start up the Web browser.
- 2 Enter the URL "http://localhost:631", and then click **Manage Printers**.  
*The following window appears.*



- 3 Click **Set Printer Options**.  
*The printer driver settings page appears.*



# Printer Driver Settings

## Options Installed

Parameters	Settings
Paper Source Unit	Select <b>Unit 3</b> if an optional lower feeder unit PF-P09 for the printer has been installed.  ■ The default setting is <b>Disabled</b> .
Storage	Select <b>None</b> , <b>CF (1GB Over)</b> or <b>HDD</b> for the storage unit that is installed.  ■ The default setting is <b>None</b> .
Duplex Unit	Select <b>Enabled</b> if the duplex unit for the printer has been installed.  ■ The default setting is <b>Disabled</b> .
Printer Memory	Select <b>256 MB</b> , or <b>768 MB</b> if an optional memory for the printer has been installed.  ■ The default setting is <b>256 MB</b> .

## General

Parameters	Settings
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 <b>Off</b> .
Resolution	Displays the image resolution (High Quality) for printing.
Paper Type	Specifies the paper type as <b>Printer Default</b> , <b>Plain Paper</b> , <b>Recycled</b> , <b>Glossy</b> , <b>Glossy 2</b> , <b>Label</b> , <b>Thick 1 (91 - 150g/m<sup>2</sup>)</b> , <b>Thick 2 (151 - 210g/m<sup>2</sup>)</b> , <b>Letterhead</b> , <b>Envelope</b> , <b>Postcard</b> , <b>Single Side Only (60 - 90g/m<sup>2</sup>)</b> , or <b>Special Paper (60 - 90g/m<sup>2</sup>)</b> .  ■ The default setting is <b>Printer Default</b> .

Parameters	Settings
Paper Source	<p>Specifies the paper source as <b>Tray 1</b>, <b>Tray 2</b>, <b>Tray 3</b>, <b>Tray 1 (Manual Feed)</b>, or <b>Auto</b>.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Tray 1</b>.</li> </ul>
Manually Print on 2nd side	<p>Select whether or not to print on the back side of paper that has already been printed on.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>
Paper Sizes	<p>Specifies the paper size. An irregular paper size cannot be selected.</p>
Collate	<p>If <b>On</b> is selected, all pages in the documents are printed as sets of printouts.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>
Duplex Options	<p>Specifies the duplex print binding position as <b>Simplex</b>, <b>Long Edge</b>, or <b>Short Edge</b>, if the duplex unit for the printer has been installed.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Simplex</b>.</li> </ul>
Select Color	<p>Specifies the color for printing as <b>Color</b> or <b>Grayscale</b>.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Color</b>.</li> </ul>
Color Separation	<p>Specifies the color separation as <b>On</b> or <b>Off</b>.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>
Brightness	<p>Specifies the brightness of the image as <b>-15%</b>, <b>-10%</b>, <b>-5%</b>, <b>0%</b>, <b>5%</b>, <b>10%</b>, or <b>15%</b>.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>0%</b>.</li> </ul>
Edge Strength	<p>Set the edge strength to <b>Off</b>, <b>Low</b>, <b>Middle</b> or <b>High</b>.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Middle</b>.</li> </ul>
Economy Print	<p>Select whether or not economy printing is used.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>
Auto Trapping	<p>Select whether or not neighboring colors are printed superimposed in order to prevent white space around images.</p> <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>

Parameters	Settings
Black Over Print	<p>Specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.</p> <p>If <b>Text/Figure</b> is selected, superimposed printing is applied to text and graphics.</p> <p>If <b>Text</b> is selected, superimposed printing is applied to text.</p> <p>■ The default setting is <b>Off</b>.</p>

## Image Options

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

## Text Options

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

## Graphics Options

Parameters	Settings
Graphics RGB Source	Specifies RGB source for graphic as <b>None</b> , <b>sRGB</b> , <b>Adobe RGB (1998)</b> , <b>Apple RGB</b> , <b>ColorMatch RGB</b> , or <b>Blue Adjust RGB</b> . ■ The default setting is <b>sRGB</b> .
Graphics RGB Intent	Specifies RGB intent for graphic as <b>Vivid</b> , <b>Photographic</b> , <b>Relative Color</b> , or <b>Absolute Color</b> . ■ The default setting is <b>Vivid</b> .
Graphics RGB Gray Treatment	Specifies the RGB Gray Treatment as <b>Composite Black</b> , <b>Black and Gray</b> , or <b>Black Only</b> . ■ The default setting is <b>Black and Gray</b> .

Parameters	Settings
Graphics Halftone	Specifies the halftone for graphic as <b>Line Art, Detail</b> or <b>Smooth</b> . <ul style="list-style-type: none"> <li>■ The default setting is <b>Detail</b>.</li> </ul>
Graphics Edge Enhancement	Select whether graphic edges are emphasized. <ul style="list-style-type: none"> <li>■ The default setting is <b>On</b>.</li> </ul>

## Simulation

Parameters	Settings
Simulation Profile	Specifies the simulation profile as <b>None, SWOP, Euroscale, Commercial Press, Japan Color, DIC,</b> or <b>TOYO</b> . <ul style="list-style-type: none"> <li>■ The default setting is <b>None</b>.</li> </ul>
Match Paper Color	Specifies the Match Paper Color. <ul style="list-style-type: none"> <li>■ The default setting is <b>Off</b>.</li> </ul>
CMYK Gray Treatment	Specifies simulation gray treatment as <b>Composite Black, Black and Gray,</b> or <b>Black Only</b> . <ul style="list-style-type: none"> <li>■ The default setting is <b>Composite Black</b>.</li> </ul>

## Banners

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

# 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 OpenOffice



*The procedure for printing on Red Hat Enterprise Linux 5 with OpenOffice 2.0.4 is described below. The following procedure or some steps may be different depending on the version of the operating system being used.*

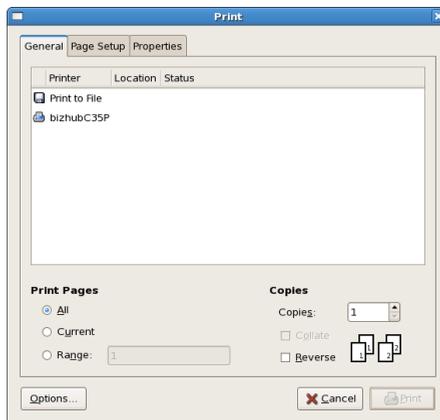


*First, add the printer to the system.*

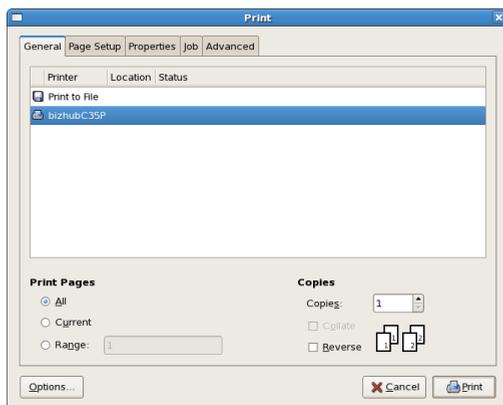
*For details on adding a printer to the system, refer to “Adding the Printer Using Printer configuration” on page 2-3 or “Adding the Printer on the CUPS Administration Web page” on page 2-7.*

- 1 From the **Application** menu, select **Office**, then **Word Processor**.
- 2 Open the document to be printed.
- 3 Click **Print** in the **File** menu.

*The Print dialog box appears.*



4 Select the name of the printer.

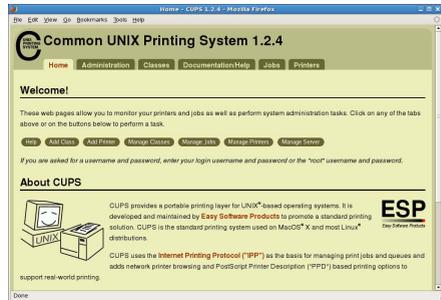


5 Click **Print** to print the document.

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



*Operation on  
NetWare*

**3**



# Printing With NetWare

The printer controller supports the following environments.

## Network Printing in a NetWare Environment

NetWare Version	Protocol Used	Emulation	Service Mode
NetWare 4.x	IPX	Bindery/NDS	Pserver/Nprinter
NetWare 5.x/6	IPX	NDS	Pserver
	TCP/IP	NDPS(lpr)	

### For Remote Printer Mode With NetWare 4.x Bindery Emulation



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

- 1 From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
- 2 Start up Pconsole.
- 3 From the **Available Options** list, select **Quick Setup**, and then click the [Enter] button.
- 4 Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/Unknown** from the **Printer type** field, and then save the specified settings.
- 5 Click the [Esc] button to quit Pconsole.
- 6 Use the NetWare server console to load PSERVER.NLM.



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

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

The screenshot shows the 'NetWare' configuration page in the PageScope Web Connection administrator interface. The left sidebar contains a navigation menu with the following items: TCP/IP, Bonjour, WSD, LLTD, NetWare (selected), NetWare Status, IPP, FTP, SNMP, AppleTalk, Email, SSL/TLS, and Authentication. The main content area is divided into three sections: NetWare, PServer, and NPrinter/RPrinter. The NetWare section includes: NetWare Print (dropdown menu set to 'Enable'), Frame Type (dropdown menu set to 'Auto'), and Mode (dropdown menu set to 'NPrinter/RPrinter'). The PServer section includes: Print Server Name (text box containing 'BHC35P-D2888B'), Print Server Password (text box), Retype Password (text box), Print Queue Scan Rate (text box containing '1' followed by 'Seconds(1-65535)'), Bindery/NDS (dropdown menu set to 'NDS'), Preferred File Server (text box), Preferred NDS Context Name (text box), and Preferred NDS Tree Name (text box). The NPrinter/RPrinter section includes: Printer Name (text box containing 'BHC35P-D2888B') and Printer Number (text box containing '256' with '(0-255,255:Auto)' as a hint). At the bottom right of the form, there are 'Apply' and 'Clear' buttons.

- 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: BHC35P-XXXXXX)
  - Printer Number:  
Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.
- 8 Restart the printer (turn the printer off, then on again).
- 9 Use the NetWare server console to display the print server screen, and then check that the created printer is shown as **Waiting for Job** for the connected printer (0).

# For Print Server Mode With NetWare 4.x Bindery Emulation



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

- 1 From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
- 2 Start up Pconsole.
- 3 From the **Available Options** list, select **Quick Setup**, and then click the [Enter] button.
- 4 Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/Unknown** from the **Printer type** field, and then save the specified settings.
- 5 Click the [Esc] button to quit Pconsole.
- 6 In Administrator mode of PageScope Web Connection, select **NetWare** from the **Network** tab, and then specify the following settings.

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 is further expanded, showing the following settings:

Section	Field	Value
NetWare	NetWare Print	Enable
	Frame Type	Auto
	Mode	PServer
PServer	Print Server Name	BHC35P-D2898B
	Print Server Password	••••
	Retype Password	••••
	Print Queue Scan Rate	1 Seconds(1-65535)
	Bindery/NDS	Bindery/NDS
NPrinter/RPrinter	Preferred File Server	file_server
	Preferred NDS Context Name	
	Preferred NDS Tree Name	

Buttons: [Apply] [Clear]

- 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.

The screenshot shows the 'NetWare' configuration page in the PageScope Web Connection administrator interface. The page is titled 'KONICA MINOLTA bizhub C35P' and has tabs for 'System', 'Job', 'Print', and 'Network'. The 'Network' tab is selected, and the 'NetWare' section is expanded. The 'NetWare' section includes settings for 'NetWare Print' (Enabled), 'Frame Type' (Auto), and 'Mode' (NPrinter/RPrinter). The 'PServer' section includes settings for 'Print Server Name' (BHC35P-D2898B), 'Print Server Password', 'Retype Password', 'Print Queue Scan Rate' (1), 'Bindery/NDS' (NDS), 'Preferred File Server', 'Preferred NDS Context Name', and 'Preferred NDS Tree Name'. The 'NPrinter/RPrinter' section includes settings for 'Printer Name' (BHC35P-D2898B) and 'Printer Number' (255).

- 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: BHC35P-XXXXXX)
  - Printer Number:  
Specify the printer number (0-255). When 255 is specified, the setting is **Auto**.
- 6 Restart the printer (turn the printer off, then on again)
- 7 Use the NetWare server console to load PSERVER.NLM.
- 8 Use the NetWare server console to display the print server screen, and then check that created printer is shown as **Waiting for Job** for the connected printer (0).

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



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

- 1 Log on to NetWare as an administrator from a client computer.
- 2 Start up NWadmin.
- 3 Select either the organization or organizational unit container that offers the print service, and then click **Print Services Quick Setup (non-NDPS)** on the **Tools** menu.
- 4 Enter the appropriate names in the **Printer Server Name**, **Printer Name**, **Print Queue Name**, and **Print Queue Volume** fields, select **Other/Unknown** from the **Printer Type** field, and then click the [Create] button.



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

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

<b>NetWare</b>	
NetWare Print	Enable
Frame Type	Auto
Mode	PServer
<b>PServer</b>	
Print Server Name	BHC35P-D2890B
Print Server Password	.....
Retype Password	.....
Print Queue Scan Rate	1 Seconds(1-65535)
Bindery/NDS	NDS
Preferred File Server	
Preferred NDS Context Name	context
Preferred NDS Tree Name	tree
<b>NPrinter/RPrinter</b>	
Printer Name	BHC35P-D2890B
Printer Number	255 (0-255,255 Auto)

- 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**.
-  *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/Server 2008, 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/DVD 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*

**4**



# Installing Printer Utilities on Windows



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



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

The following procedure describes how to install the Printer Utilities.

## End User Tools

- Status Monitor
- PageScope Data Administrator
- PageScope Direct Print

## Administration Tools

- PageScope Net Care Device Manager
- PageScope Enterprise Suite Plug-in

## Operation Tools

- Download Manager

- 1** Insert “Utilities & Documentation” CD/DVD in your CD/DVD drive.
- 2** Select the type of tools from “End User Tools”, “Administration Tools” and “Operation Tools”.
- 3** From the Tools dialogs, select the utilities to be installed.
- 4** From Utility dialogs, select “Install”.



*Click “Back” button to display previous page.*



*Click “Top Menu” button to display top page.*

- 5** Follow the onscreen instructions to complete the installation.
- 6** After the installation is complete, remove the Utilities & Documentation CD/DVD from your CD/DVD drive and store it in a safe place.

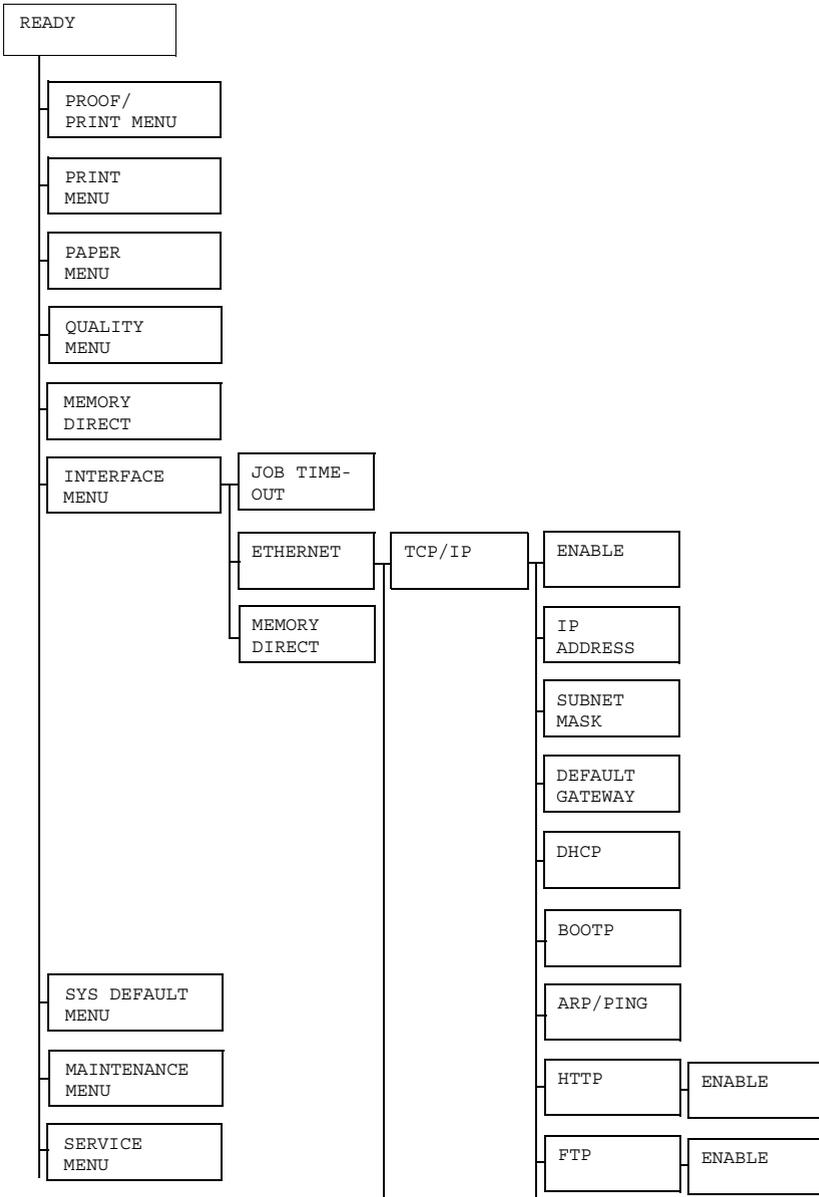
***Understanding  
the Ethernet  
Configuration  
Menus***

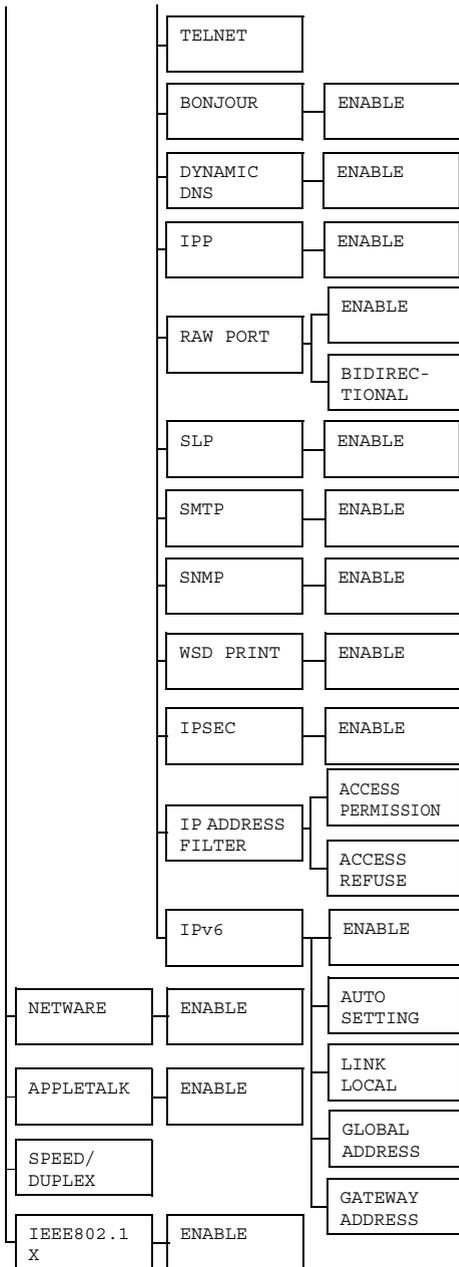
**5**



# 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. . .
	PROOF/PRINT MENU or if no optional hard disk kit HD-P03 is installed: PRINT MENU
	INTERFACE MENU
	JOB TIMEOUT
	ETHERNET
	TCP/IP



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

- IPP - 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

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

#### IP ADDRESS

<b>Purpose</b>	Sets the IP address of this printer on the network.
<b>Range</b>	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.
<b>Default</b>	000.000.000.000

#### SUBNET MASK

<b>Purpose</b>	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).
<b>Range</b>	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.
<b>Default</b>	255.255.000.000

## DEFAULT GATEWAY

<b>Purpose</b>	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.
<b>Range</b>	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.
<b>Default</b>	000.000.000.000

## DHCP

<b>Purpose</b>	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.
<b>Options</b>	ON  OFF
<b>Default</b>	ON

## BOOTP

<b>Purpose</b>	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.
<b>Options</b>	ON  OFF
<b>Default</b>	OFF

## ARP/PING

<b>Purpose</b>	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.
<b>Options</b>	ON  OFF
<b>Default</b>	OFF

## HTTP – ENABLE

<b>Purpose</b>	Select whether or not to enable HTTP. If YES is selected, HTTP is enabled. If NO is selected, HTTP is disabled.
<b>Options</b>	YES NO
<b>Default</b>	YES

## FTP – ENABLE

<b>Purpose</b>	Select whether or not to enable FTP. If YES is selected, FTP is enabled. If NO is selected, FTP is disabled.
<b>Options</b>	YES NO
<b>Default</b>	YES

## TELNET

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

## BONJOUR – ENABLE

<b>Purpose</b>	Select whether or not to enable Bonjour. If YES is selected, Bonjour is enabled. If NO is selected, Bonjour is disabled.
<b>Options</b>	YES NO
<b>Default</b>	YES

## DYNAMIC DNS – ENABLE

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

## IPP – ENABLE

<b>Purpose</b>	Select whether or not to enable IPP. If YES is selected, IPP is enabled. If NO is selected, IPP is disabled.
<b>Options</b>	YES NO
<b>Default</b>	YES

## RAW PORT – ENABLE

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

## RAW PORT – BIDIRECTIONAL

<b>Purpose</b>	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.
<b>Options</b>	ON OFF
<b>Default</b>	OFF

### SLP – ENABLE

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

### SMTP – ENABLE

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

### SNMP – ENABLE

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

### WSD PRINT – ENABLE

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

## IPSEC – ENABLE

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

## IP ADDRESS FILTER – ACCESS PERMISSION

<b>Purpose</b>	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.
<b>Options</b>	ENABLE DISABLE
<b>Default</b>	DISABLE

## IP ADDRESS FILTER – ACCESS REFUSE

<b>Purpose</b>	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.
<b>Options</b>	ENABLE DISABLE
<b>Default</b>	DISABLE

## IPv6 – ENABLE

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

## IPv6 – AUTO SETTING

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

## IPv6 – LINK LOCAL

<b>Purpose</b>	Displays the link-local address of IPv6.
----------------	--

## IPv6 – GLOBAL ADDRESS

<b>Purpose</b>	Displays the global address of IPv6.
----------------	--------------------------------------

## IPv6 – GATEWAY ADDRESS

<b>Purpose</b>	Displays the gateway address of IPv6.
----------------	---------------------------------------

## NETWARE

### ENABLE

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

## APPLETALK

### ENABLE

<b>Purpose</b>	Select whether or not to enable AppleTalk. If YES is selected, AppleTalk is enabled. If NO is selected, AppleTalk is disabled.
<b>Options</b>	YES NO
<b>Default</b>	YES

## SPEED/DUPLEX

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

## IEEE802.1X

### ENABLE

<b>Purpose</b>	Select whether or not to enable IEEE802.1x. If YES is selected, IEEE802.1x is enabled. If NO is selected, IEEE802.1x is disabled.
<b>Options</b>	YES NO
<b>Default</b>	NO

*Network Printing*

# 6



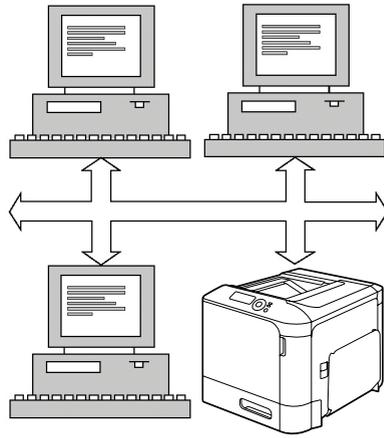
# Network Connection

## 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 6-9 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 ↵	PROOF/PRINT MENU or if no optional hard disk kit HD-P03 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 5 "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 HD-P03 is installed: PRINT MENU
▽	INTERFACE MENU
* Menu Select ↵	JOB TIMEOUT
▽	ETHERNET
* Menu Select ↵	TCP/IP

<b>Press this key . . .</b>	<b>(until) the message window reads . . .</b>
<b>* Menu Select ↵</b>	ENABLE
	IP ADDRESS
<b>* Menu Select ↵</b>	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.	
<b>* Menu Select ↵</b>	IP ADDRESS

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

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

If you set the subnet mask, follow these steps.

<b>Press this key . . .</b>	<b>(until) the message window displays . . .</b>
	SUBNET MASK
<b>* Menu Select ↵</b>	SUBNET MASK 255.255.000.000

<b>Press this key . . .</b>	<b>(until) the message window displays . . .</b>
Use the  and  keys to move to each of the four number triplets. Use the  and  keys to increase or decrease each number.	
<b>* Menu Select ↵</b>	SUBNET MASK

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

If you set the gateway, follow these steps.

<b>Press this key . . .</b>	<b>(until) the message window displays . . .</b>
	DEFAULT GATEWAY
<b>* Menu Select ↵</b>	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.	
<b>* Menu Select ↵</b>	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 	PROOF/PRINT MENU or if no optional hard disk kit HD-P03 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
- LLMNR
- LLTD
- LPD/LPR
- SLP
- SMTP
- SNMP
- Port9100
- WSD print

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

## AppleTalk

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

## Bonjour

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

## **BOOTP**

BOOTP (Bootstrap Protocol) is an Internet protocol that enables a diskless workstation to discover (1) its own IP address, (2) the IP address of a BOOTP server on the network, and (3) a file that can be loaded into memory to boot the workstation. This enables the workstation to boot without requiring a hard or floppy disk drive.

## **DDNS (Dynamic DNS)**

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

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

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

## **DHCP**

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

## **FTP**

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

## **HTTP**

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

## **IEEE802.1x**

This protocol for determining the user authentication method within the LAN is compatible with wireless and wired LANs. Using the RADIUS server for user authentication, communication with authenticated users is permitted while all communication from unauthenticated clients is blocked, excluding authentication requests.

## **IPP**

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

For more information on using IPP, See "Printing via IPP (Internet Printing Protocol)" on page 6-14.

## **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.

## **LLMNR**

The acronym for Link-local Multicast Name Resolution, which is a protocol used for the name resolution of neighboring computers. LLMNR uses simple exchange of request and response messages to perform name resolution of neighboring computers without configuring DNS server or clients.

## LLTD

The acronym for Link Layer Topology Discovery, which is a technology investigating how the devices on the network are connected. Network devices with this technology are recognized by Windows Vista/Server 2008 on the network, and displayed as icons configured on the network map of Windows Vista.

## LPD/LPR

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

## SLP

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

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

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

### **Unicast, Multicast, and Broadcast**

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

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

## **SMTP**

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

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

## **SNMP**

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

## **Port 9100**

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

## **WSD print**

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

## 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/Server 2008, click the **Allow** button or the **Continue** button.*



*For IPP printing, specify the network setting. Refer to “Making the Connection” on page 6-3 and “IPP” on page 6-11.*

### With Windows Server 2008

When using Windows Server 2008, 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 **Continue** 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/DVD

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



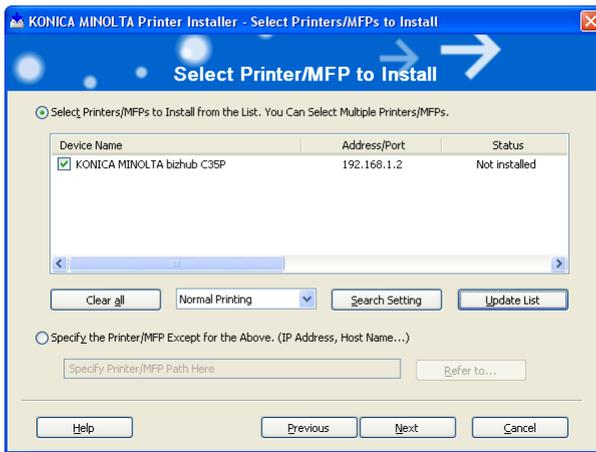
*If Windows Vista or Windows Server 2008 is being used, click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the CD/DVD is inserted.*



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

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

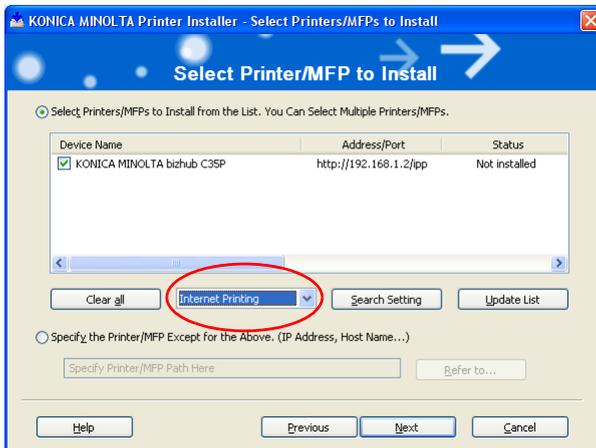
6 The connected printers are detected. Select this printer.



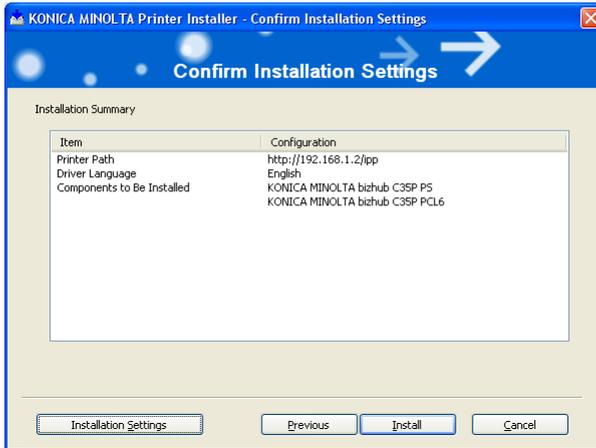
■ [Search Setting]: To search for printers on other networks, click this button.

■ [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**.

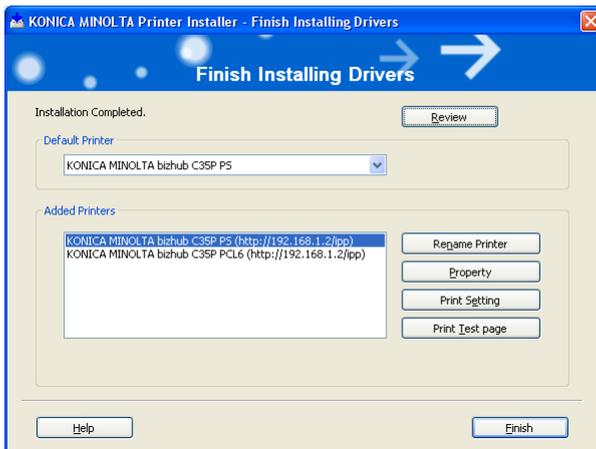


8 In the Confirm Installation Settings dialog box, click **Install**.



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

9 Click **Finish**.



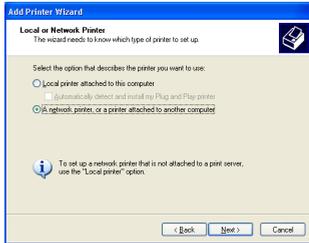
This completes the installation of the printer driver.

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

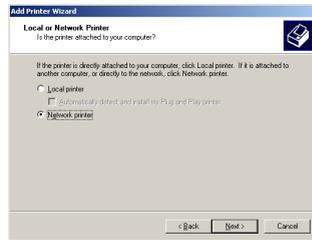
- For Windows Server 2003/XP: Click **Start**, select **Printers and Faxes**, and then click **Add a Printer**.
- For Windows 2000: Click **Start**, point to **Settings**, click **Printers**, and then click **Add Printer**.

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

### Windows Server 2003/XP



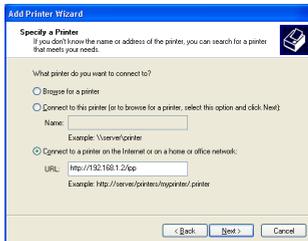
### Windows 2000



- 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.”

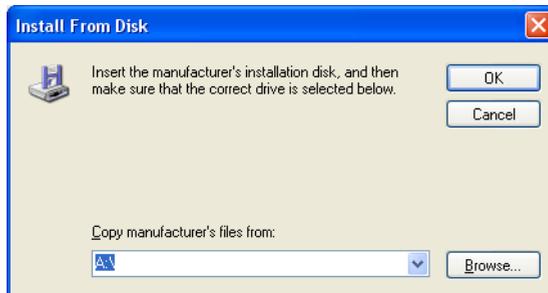
### 3 Windows Server 2003/XP—Go to step 4.

**Windows 2000**—If you entered a valid path in the previous step, the following message displays: “The server on which the KONICA MINOLTA bizhub C35P 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**.

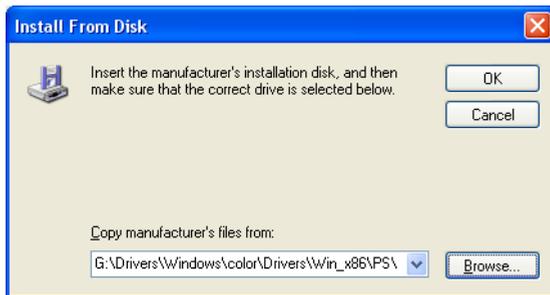


### 5 Choose **Browse**.



### 6 Locate the directory on the CD/DVD where the printer driver files are located and then click **Open**.

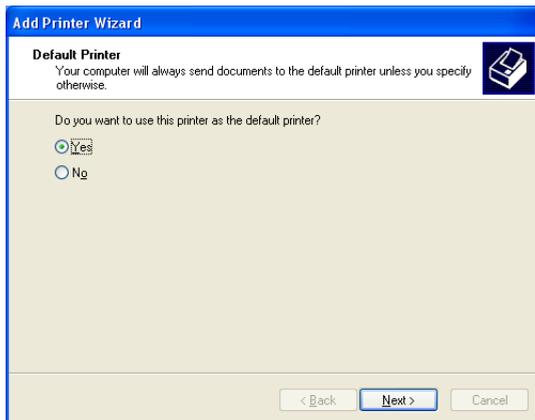
7 Click **OK**.



8 Click **OK**.



- 9 Select whether the printer is to be used as the default printer, and then click **Next**.

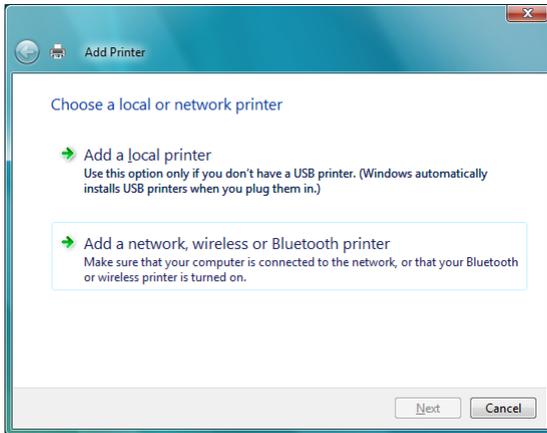


- 10 Click **Finish**.

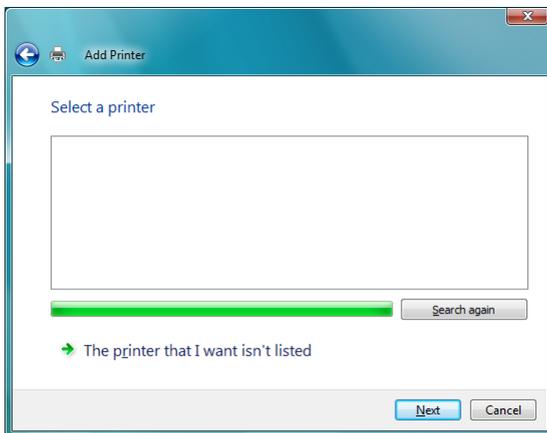


## Adding an IPP Port using Add Printer Wizard – Windows Vista/Server 2008

- 1 Click **Start**, click **Control Panel**, and then click **Printers**.
- 2 Click **Add a printer**.
- 3 In the dialog box click **Add a network, wireless or Bluetooth printer**.

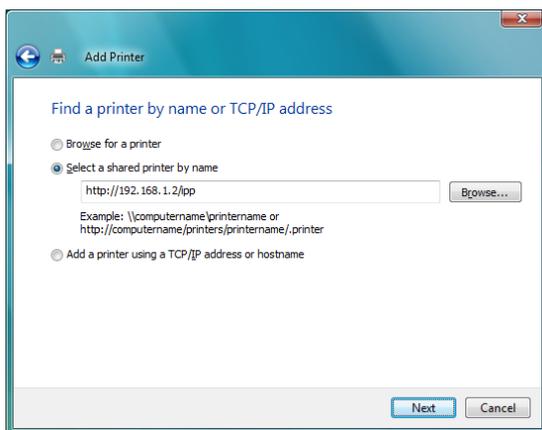


- 4 In the dialog box, click **The printer that I want isn't listed**.



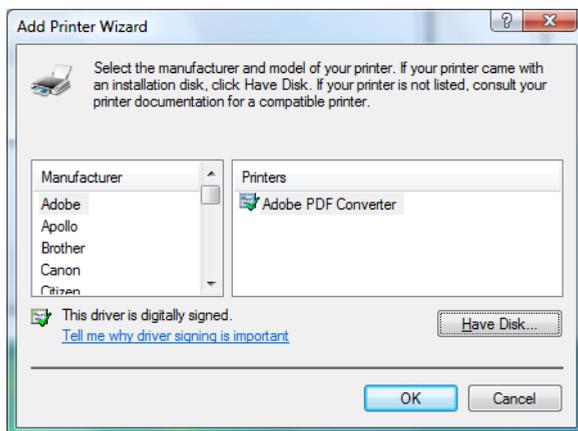
- 5 In the URL field in the next dialog box enter the printer's network path-name in one of the following formats and then choose **Next**:
  - `http://ipaddress/ipp`
  - `http://ipaddress:80/ipp`

- `http://ipaddress:631/ipp`

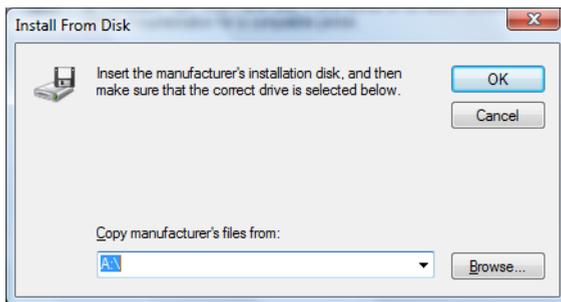


*If your system cannot connect to the machine, the following message appears: “Windows cannot connect to the printer. Make sure that you have typed the name correctly, and that the printer is connected to network.”*

- 6 Click **Have Disk**.

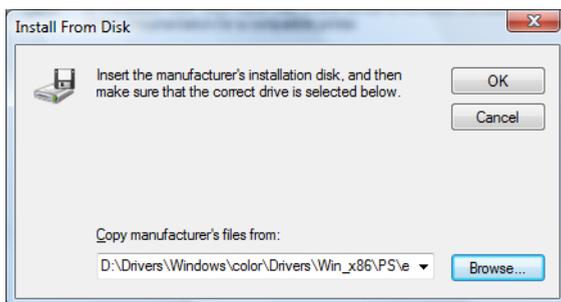


7 Click **Browse**.

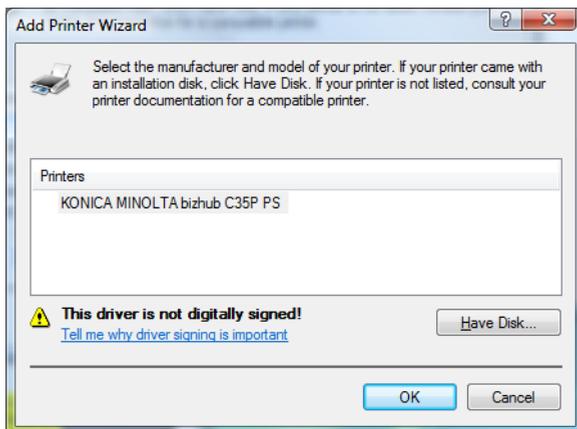


8 Locate the directory on the CD/DVD where the printer driver files are located and then click **Open**.

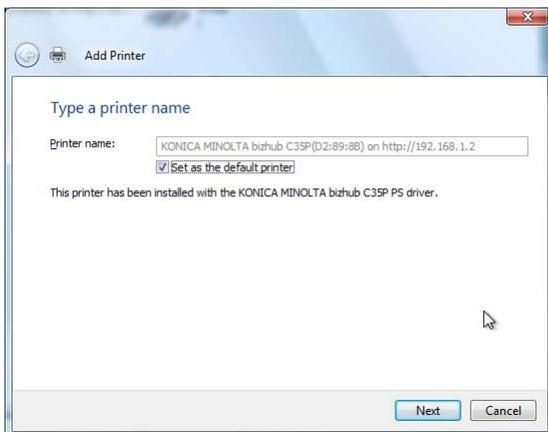
9 Click **OK**.



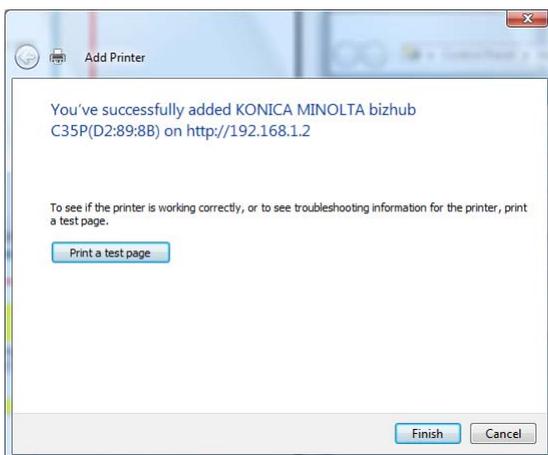
10 Click **OK**.



## 11 Click **Next**.



## 12 Click **Finish**.



## Printing via Web Service Print Function

In Windows Vista/Server 2008, 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/Server 2008, click the **Allow** button or the **Continue** button.*



*For Web Service print, specify the network setting. Refer to “Making the Connection” on page 6-3 and “WSD print” on page 6-13.*

### With Windows Server 2008

When using Windows Server 2008, 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 **Continue** button.*

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

### Adding a printer from the Network window

- 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/DVD in the CD/DVD drive of your computer.



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

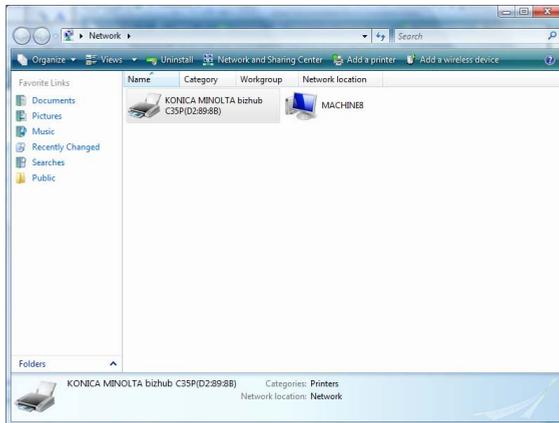


*If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD/DVD.*

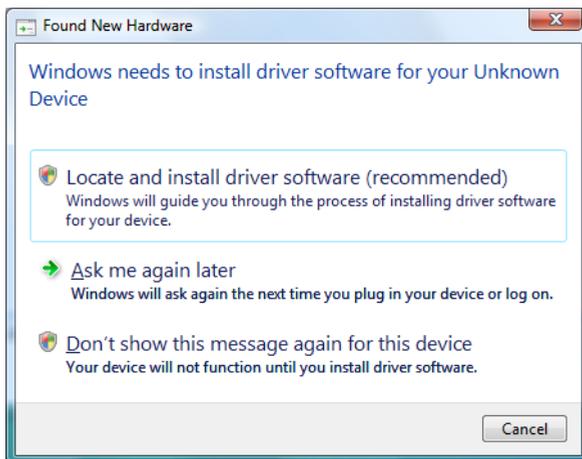
*The installer starts up.*

- 3 Exit the installer.

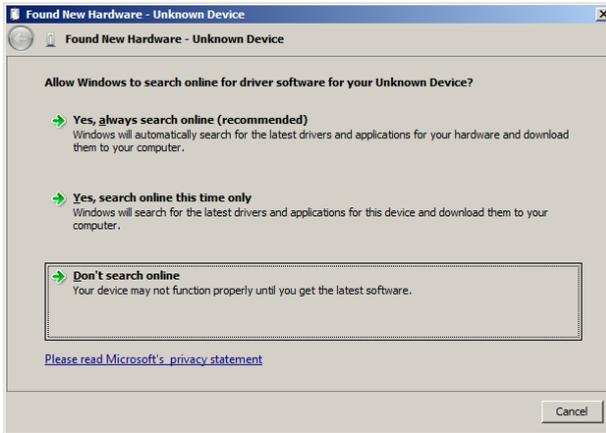
- 4 Click **Start**, and then click **Network**.  
The Network window appears, showing the computers and devices on the network.
- 5 Select the device name of this printer, and then click **Install** on the toolbar.



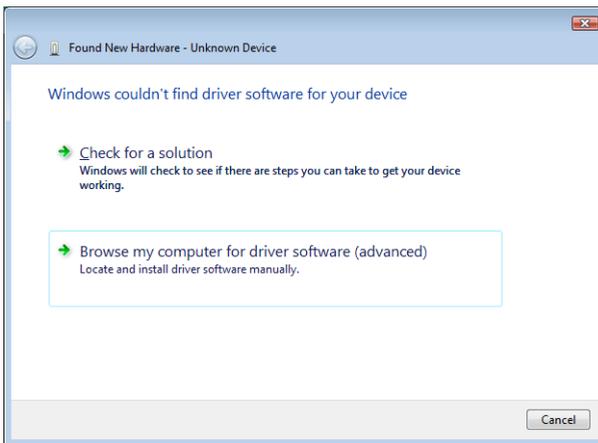
- 6 Click **Locate and install driver software (recommended)**.



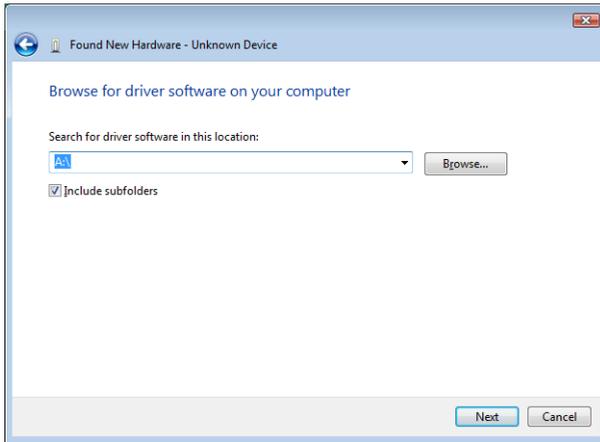
- 7 If Windows Vista is being used, go to step 8.  
If Windows Server 2008 is being used, click **Don't search online**.



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



9 Click **Browse**.



10 Locate the directory on the CD/DVD where the printer driver files are located and then click **OK**.

11 Click **Next**.

12 Click **Close**.

## Adding a printer using Add Printer Wizard

- 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/DVD in the CD/DVD drive of your computer. The installer starts up.

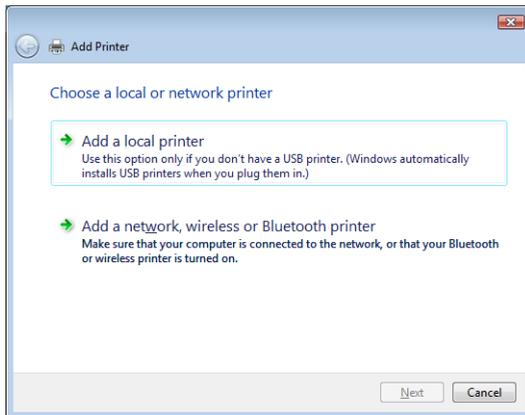


Click **Run AutoRun.exe** in the AutoPlay dialog box that appears when the CD/DVD is inserted.

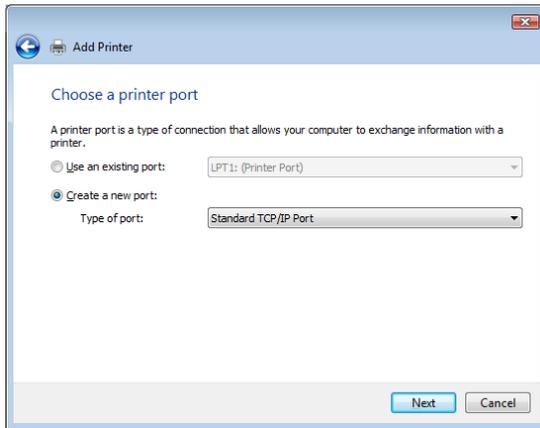


If the installer does not start up automatically, double-click the **Auto-Run.exe** icon on the CD/DVD.

- 3 Exit the installer.
- 4 Click **Start**, click **Control Panel**, and then click **Printers**.
- 5 Click **Add a printer** on the toolbar.
- 6 In the dialog box, click **Add a local printer**.



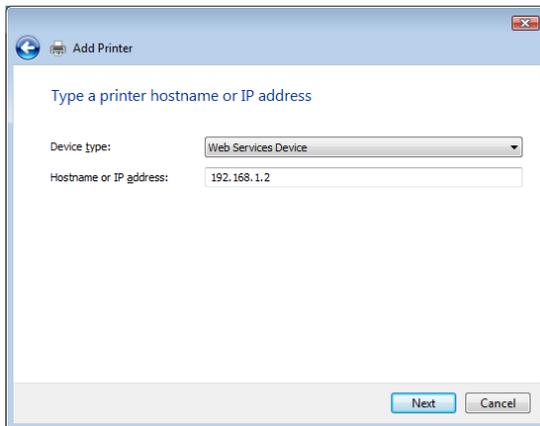
- 7 Click **Create a new port**, and then select **Standard TCP/IP port**.



- 8 Click **Next**.

- 9 Select **Web Services Device** and type the IP address for the printer, and then click **Next**.

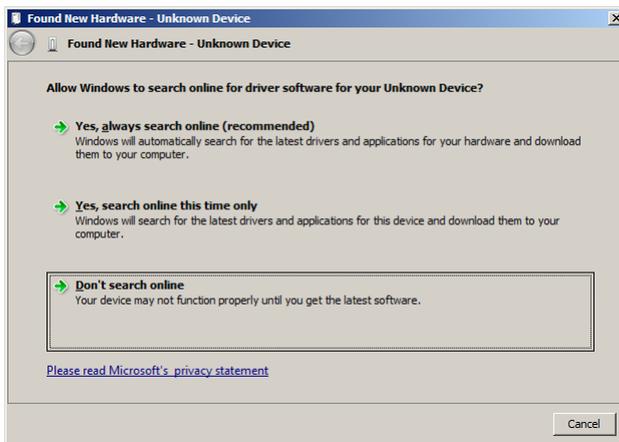
The Found New Hardware Wizard dialog box appears.



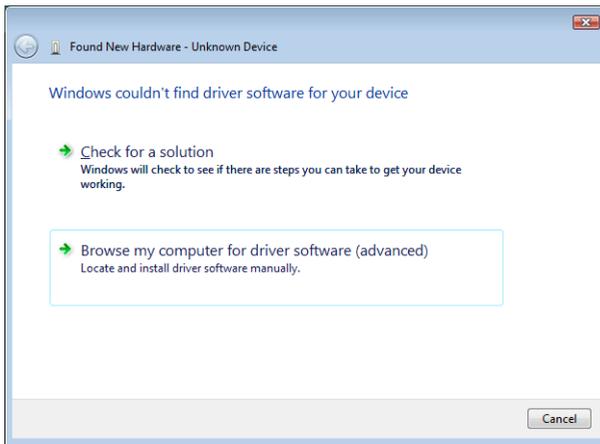
10 Click **Locate and install driver software (recommended)**.



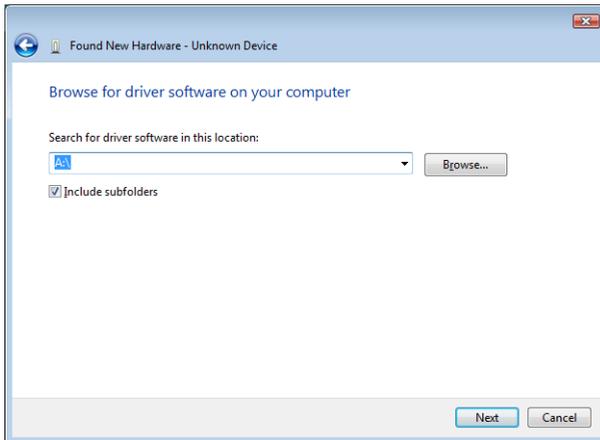
11 If Windows Vista is being used, go to step 8.  
If Windows Server 2008 is being used, click **Don't search online**.



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



13 Click **Browse**.

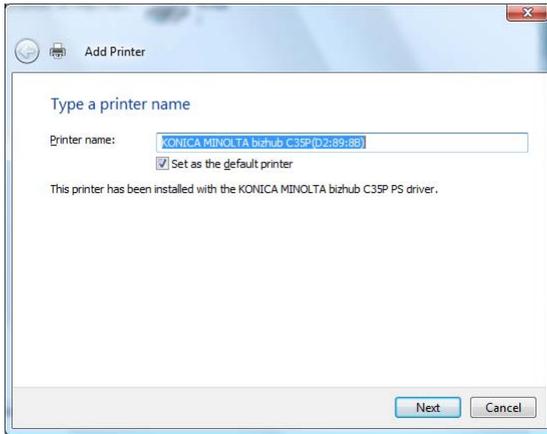


14 Locate the directory on the CD/DVD where the printer driver files and then click **OK**.

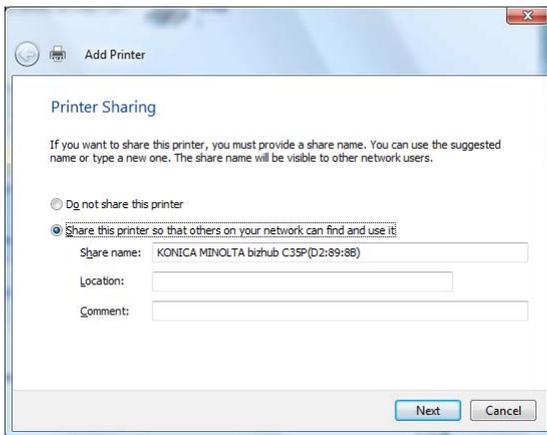
15 Click **Next**.

16 Click **Close**.

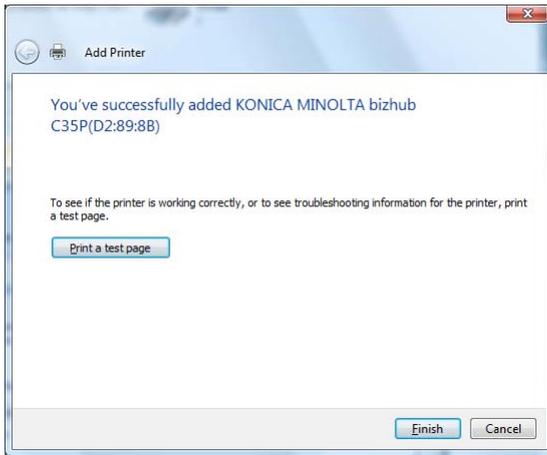
## 17 Click **Next**.



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



## 19 Click **Finish**.



This completes the installation of the printer driver.

# Installing the Driver When the Operating Systems of the Server and Client Use a Different Number of Bits (With Windows Server 2008)

When Windows Server 2008 is running on the print server or when the operating systems running on the print server and client computer use a different number of bits, the additional driver may not be installed correctly on the print server.

This can be corrected by specifying the setup information file (ntprint.inf) for the operating system with the different number of bits while installing the additional driver on the print server.

The following server and client operating systems can be used together.

<b>Server</b>	<b>Client Computer</b>
Windows Server 2008 (32 bits)	Windows Vista (64 bits)
Windows Server 2008 (64 bits)	Windows Vista (32 bits)
Windows Vista (32 bits)	Windows Server 2008 (64 bits)
Windows Vista (64 bits)	Windows Server 2008 (32 bits)

The procedure for specifying the setup information file for a computer other than the print server and installing the additional driver is described below.



*From the print server, map the system drive of the client computer as a network drive. The drive to be mapped must first be specified as a shared drive.*

## 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.

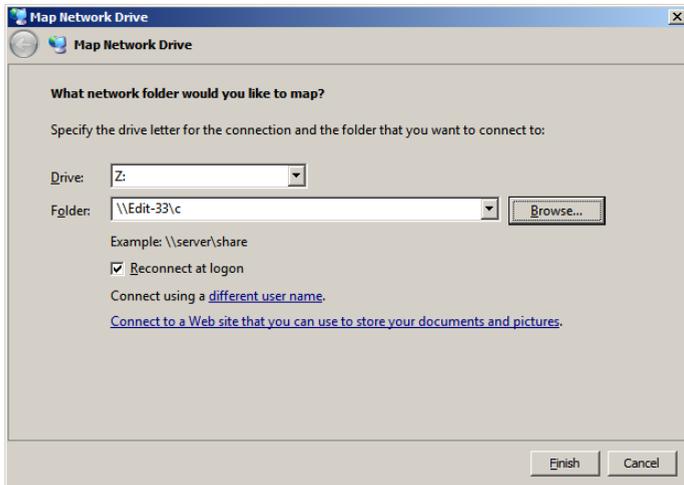


*This setting is available for only PS driver.*

- 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”).

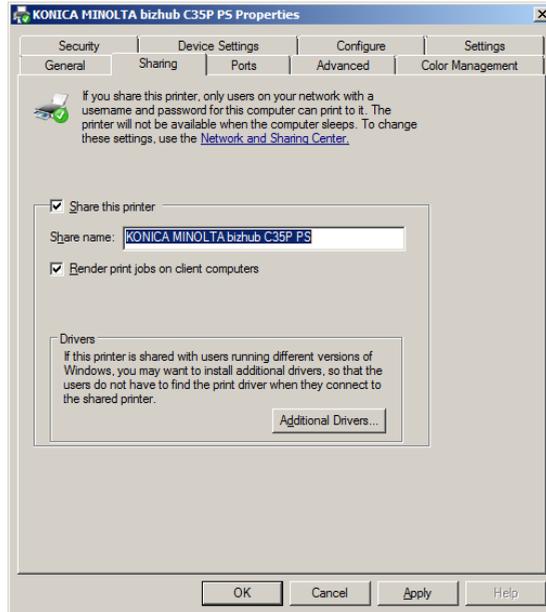


*This setting is available for only PS driver.*

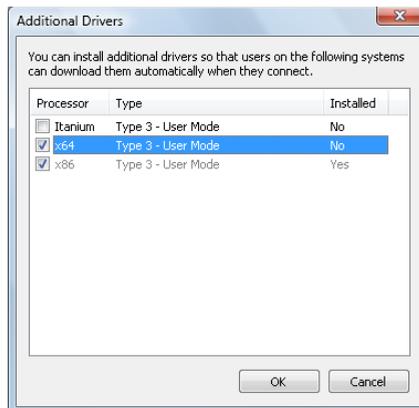


- 3 Install on the print server (32 bits) the driver for a 32-bit operating system.

- 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**.

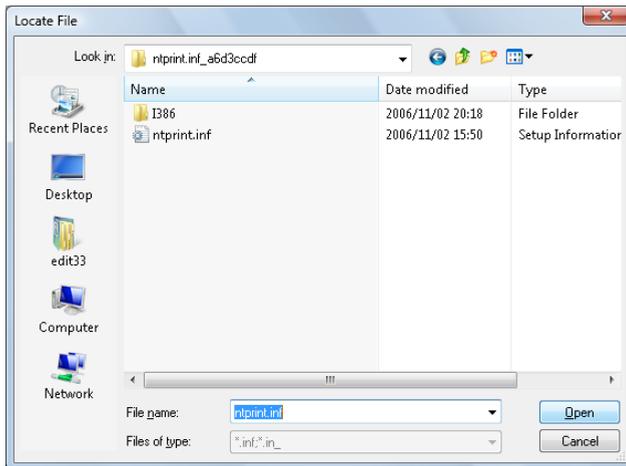


- 8 Specify the folder containing the driver for a 64-bit operating system. A dialog box appears, requesting the location of the setup information file.
- 9 Click **Browse**, and then select the setup information file (ntprint.inf) on the client computer mapped as a network drive.



*This setting is available for only PS 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 XP/Vista/Server 2008/ Server 2003/2000 and the client computer is running Windows XP/Vista/Server 2008/Server 2003/2000.	Install the printer driver directly on the client computer.



***Using PageScope  
Web Connection***

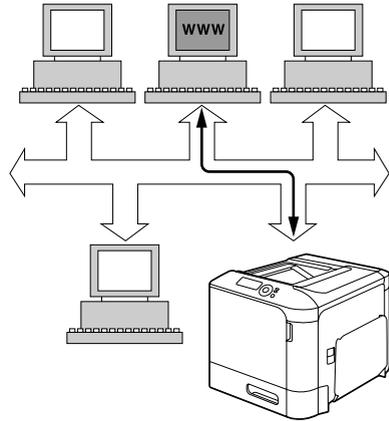
**7**



# 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/DVD) provided with the printer.

In addition, the language can be selected from the **Language** drop-down list in PageScope Web Connection. For details, refer to "Language Setting" on page 7-10.

## Requirements

To use PageScope Web Connection, the following is required:

- Windows Server 2008/Server 2003/Vista/XP/2000  
Mac OS X 10.2.8/10.3.9/10.4/10.5  
Red Hat Enterprise Linux 5, SUSE Linux Enterprise 5
- Microsoft Internet Explorer version 6.0 or later  
Mozilla Firefox version 2.0 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 ) connection.*

# Setting Up the Printer Web Page

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

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

## Determining the Printer Name

The printer web page can be accessed in two ways:



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

- Through the assigned name of the printer—This name comes from the IP host table (the filename is **hosts**) on the computer system and is usually assigned by the system administrator (for example, bizhub C35P). It may be more convenient for you to use the printer name than the IP address.

### **Location of the Host Table on the PC**

- Windows Server 2008/Server 2003/XP/Vista  
  \windows\system32\drivers\etc\hosts
- Windows 2000  
  winnt\system32\drivers\etc\hosts
- Through the printer’s IP address—The IP address of your printer is a unique number and, therefore, may be the preferred identification to enter, especially if you have more printers active in your network. The printer’s IP address is listed on the configuration page.

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

- PRINT MENU - CONFIGURATION PG menu

## Setting Up Your Browser Software

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



*You need to do this procedure only once.*

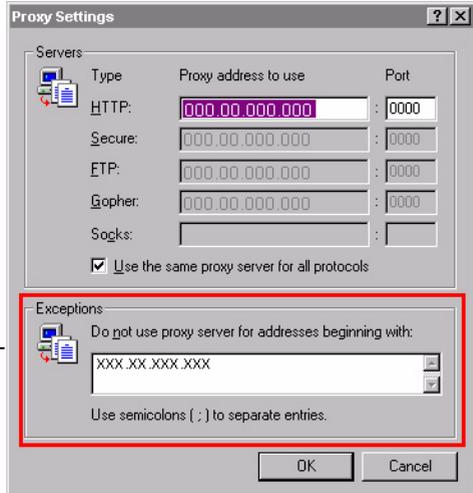
The sample screens below may be different from yours depending on software versions and operating systems in use.



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

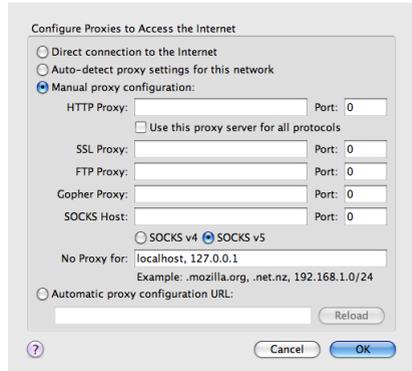
## Internet Explorer (version 6.0 for Windows)

- 1 Start Internet Explorer.
- 2 From the **Tools** menu choose **Internet Options**.
- 3 Select the **Connections** tab on the dialog box.
- 4 Choose the **LAN Settings** button to display the Local Area Network (LAN) Settings dialog box.
- 5 Select **Advanced** in Proxy server to open the Proxy Settings dialog box.
- 6 In the **Exceptions** text box, type a comma after the last entry and then type the printer name or the IP address of your printer.
- 7 Choose **OK** three times to return to the main browser window.
- 8 Enter the printer's IP address in the URL Address box to access the printer home page.



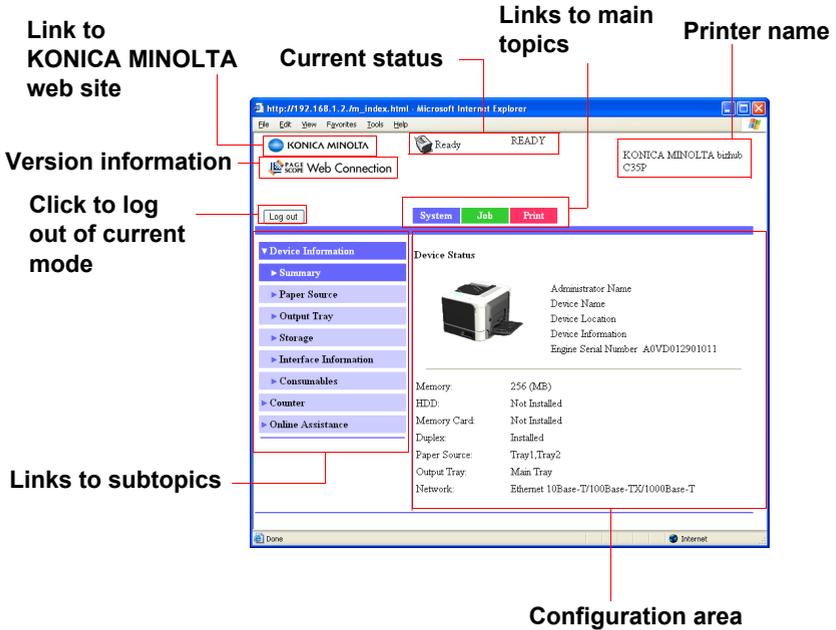
## Mozilla Firefox (version 2.0 for Mac OS X 10.5)

- 1 Start Mozilla Firefox.
- 2 From the **Firefox** menu choose **Preferences**.
- 3 Click **Advanced** at the top of the dialog box.
- 4 Click the **Network** tab.
- 5 In the **Connection** section, click **Settings**.  
The Connection Settings dialog box appears.
- 6 Select the **Manual proxy configuration** radio button.
- 7 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.
- 8 Click **OK** in the two dialog boxes to return to the main browser window.
- 9 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.



## 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 7-11.)*

## 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 OUT PAPER JAM TRAY2
	Caution	The printer needs attention, but printing continues.	PAPERMISMATCH 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 7-63 and "User Authentication" on page 7-171



*As many as 100 clients (users and an administrator) can log on to PageScope Web Connection at the same time. These can be logged on as Public User, Registered User or Administrator. However, no more than one client at a time can be logged on as Administrator.*

KONICA MINOLTA 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

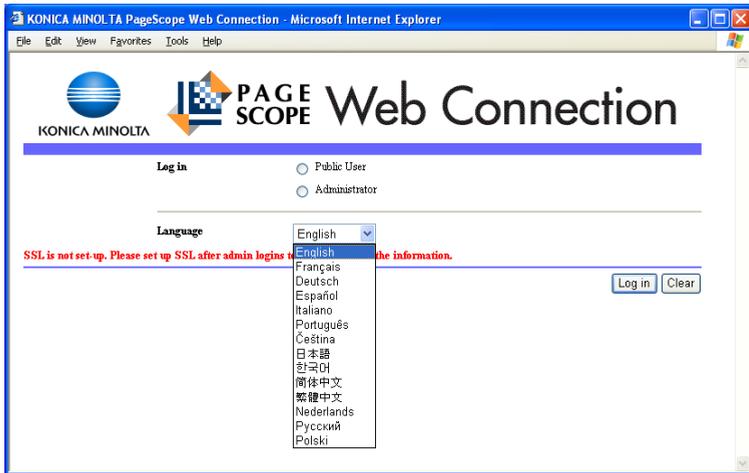
Language

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 7-64 and “User Authentication” on page 7-171.

- 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

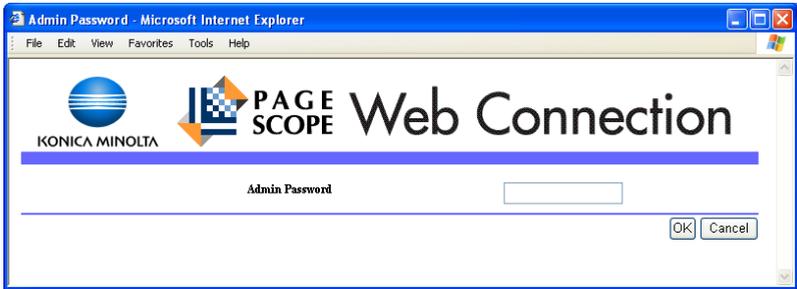
 *To enter Account Track Mode, log on in Administrator mode, set **Account Track** (in the **Network - Authentication - User Authentication** page) to **On**, and then register a new account in the **System - Authentication - Account Track Registration - New Registration** page. For details, refer to “Account Track Registration” on page 7-67 and “User Authentication” on page 7-171.*

- 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 Ready READY KONICA MINOLTA bizhub C35P

Web Connection

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 A0VD012901011

---

Memory: 256 (MB)  
HDD: Not Installed  
Memory Card: Not Installed  
Duplex: Installed  
Paper Source: Tray1,Tray2  
Output Tray: Main Tray  
Network: Ethernet 10Base-T/100Base-TX/1000Base-T

Done Internet



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

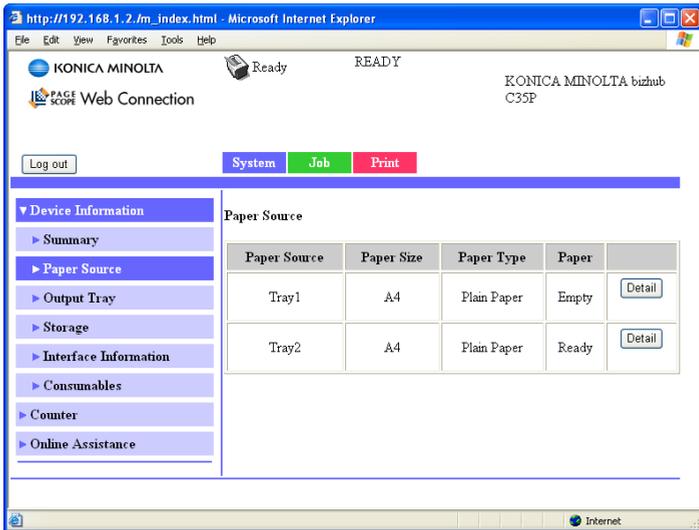
## Device Information

### Summary (previous page)

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

Item	Description
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk kit HD-P03 is installed in the printer, displays the size of the hard disk.  If no optional hard disk kit HD-P03 is installed in the printer, displays "Not Installed".
Memory Card	If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card.  If no optional CompactFlash card is installed in the printer, displays "Not Installed".
Duplex	Identifies whether the optional duplex option is "Installed" or "Not Installed".
Paper Source	Identifies the paper feed units installed on the printer.   <i>Tray3 appears only if the optional lower feeder unit PF-P09 are installed.</i>
Output Tray	Identifies the output tray installed on the printer.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

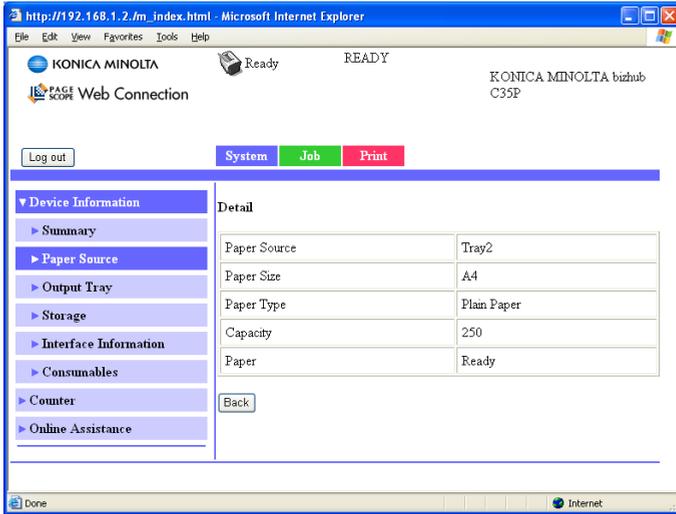
## Paper Source



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

Item	Description
Paper Source	Identifies the paper feed units Tray 1/2/3 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.

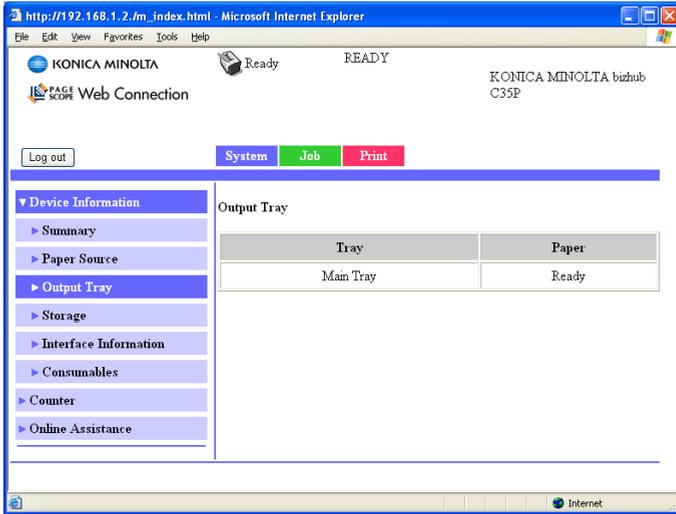
## Paper Source (Detail)



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.

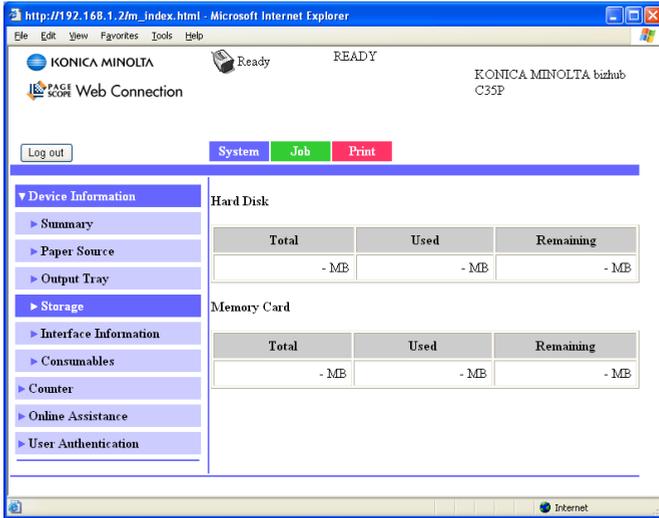
## Output Tray



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

Item	Description
Tray	Displays the name of the output tray.
Paper	Displays the status (Ready, Full) of the output tray.

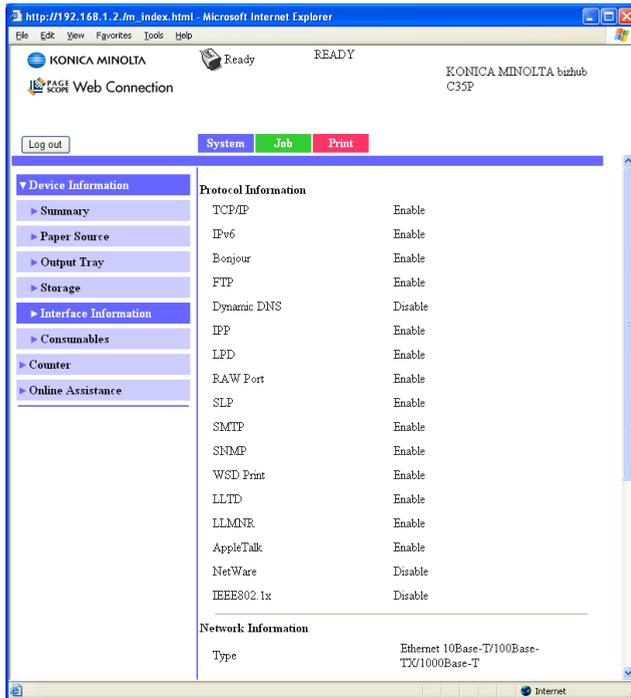
## Storage



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 <b>Enable</b> is displayed, TCP/IP is enabled. If <b>Disable</b> is selected, TCP/IP is disabled.
	IPv6	If <b>Enable</b> is displayed, IPv6 is enabled. If <b>Disable</b> is selected, IPv6 is disabled.
	Bonjour	If <b>Enable</b> is displayed, Bonjour is enabled. If <b>Disable</b> is displayed, Bonjour is disabled.
	FTP	If <b>Enable</b> is displayed, FTP is enabled. If <b>Disable</b> is selected, FTP is disabled.

Item		Description
	Dynamic DNS	If <b>Enable</b> is displayed, Dynamic DNS is enabled. If <b>Disable</b> is selected, Dynamic DNS is disabled.
	IPP	If <b>Enable</b> is displayed, IPP is enabled. If <b>Disable</b> is selected, IPP is disabled.
	LPD	If <b>Enable</b> is displayed, LPD is enabled. If <b>Disable</b> is selected, LPD is disabled.
	RAW Port	If <b>Enable</b> is displayed, RAW Port is enabled. If <b>Disable</b> is selected, RAW Port is disabled.
	SLP	If <b>Enable</b> is displayed, SLP is enabled. If <b>Disable</b> is selected, SLP is disabled.
	SMTP	If <b>Enable</b> is displayed, SMTP is enabled. If <b>Disable</b> is selected, SMTP is disabled.
	SNMP	If <b>Enable</b> is displayed, SNMP is enabled. If <b>Disable</b> is selected, SNMP is disabled.
	WSD Print	If <b>Enable</b> is displayed, WSD Print is enabled. If <b>Disable</b> is selected, WSD Print is disabled.
	LLTD	If <b>Enable</b> is displayed, LLTD is enabled. If <b>Disable</b> is selected, LLTD is disabled.
	LLNMR	If <b>Enable</b> is displayed, LLNMR is enabled. If <b>Disable</b> is selected, LLNMR is disabled.
	AppleTalk	If <b>Enable</b> is displayed, AppleTalk is enabled. If <b>Disable</b> is selected, AppleTalk is disabled.
	NetWare	If <b>Enable</b> is displayed, NetWare is enabled. If <b>Disable</b> is selected, NetWare is disabled.
	IEEE802.1x	If <b>Enable</b> is displayed, IEEE802.1x is enabled. If <b>Disable</b> is selected, IEEE802.1x is disabled.

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

## Consumables

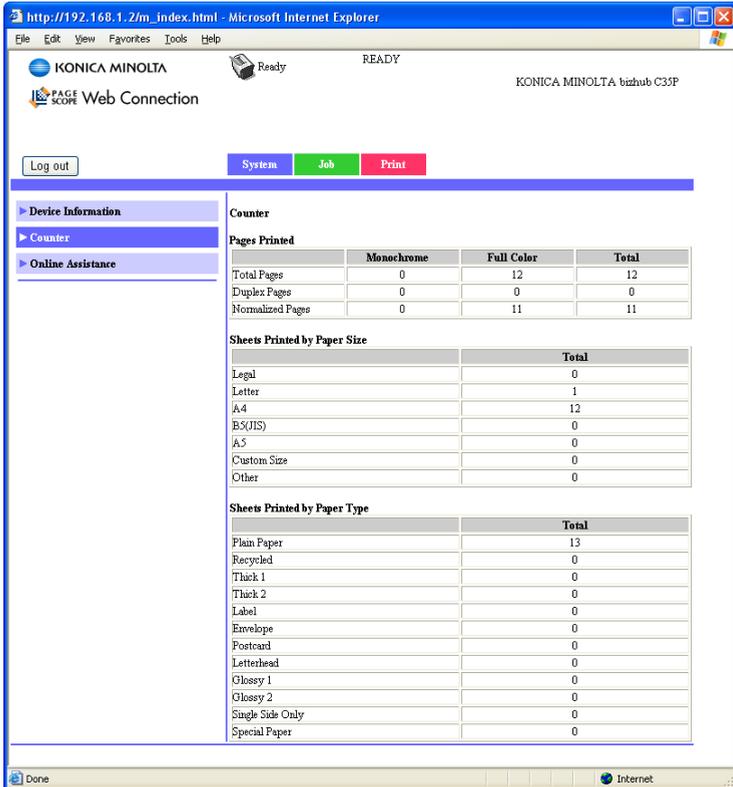
The screenshot shows the 'Consumables' section of the Konica Minolta Web Connection interface. The interface includes a navigation menu on the left with options like Summary, Paper Source, Output Tray, Storage, Interface Information, Consumables (selected), Counter, and Online Assistance. The main content area displays a table of consumables with their status and type.

Consumables	Status	TYPE
Cyan Toner Cartridge	68%	High
Magenta Toner Cartridge	77%	High
Yellow Toner Cartridge	81%	High
Black Toner Cartridge	90%	High
Cyan Imaging Unit	100%	
Magenta Imaging Unit	100%	
Yellow Imaging Unit	100%	
Black Imaging Unit	100%	
Transfer Belt	100%	
Transfer Roller	100%	
Fuser Unit	100%	
Waste Toner Bottle	Ready	

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

Item	Description
Consumables	Identifies the type of consumable that is being monitored.
Status	Indicates the remaining life of the consumables. <ul style="list-style-type: none"> <li>■ Toner Cartridge, Imaging Unit, Transfer Belt, Transfer Roller, Fuser Unit: Percentage</li> <li>■ Waste Toner Bottle: Ready, Near Full, or Full</li> </ul>
TYPE	Identifies the type of Toner Cartridge. <ul style="list-style-type: none"> <li>■ High</li> </ul>

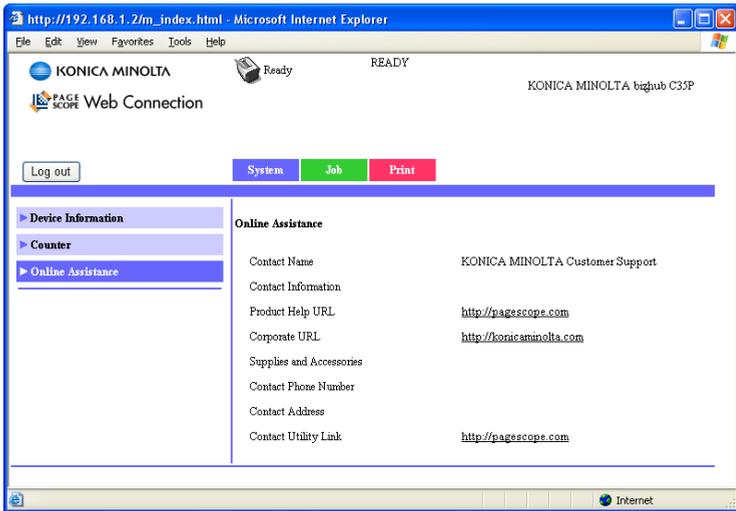
# Counter



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

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

## Online Assistance



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

Item	Description
Contact Name	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 screenshot shows a web browser window with the following elements:

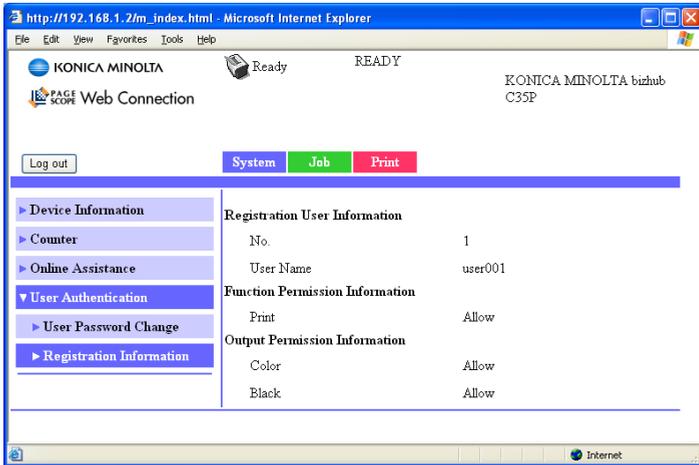
- Address bar: `http://192.168.1.27/m_index.html`
- Page title: `Microsoft Internet Explorer`
- Page content: KONICA MINOLTA logo, 'READY' status, and 'KONICA MINOLTA bizhub C35P'.
- Navigation bar: 'Log out', 'System', 'Job', 'Print' buttons.
- Left sidebar: A menu with 'User Password Change' selected.
- Main content area: 'User Password Change' section with three input fields: 'User Name' (value: user001), 'Current Password', 'New Password', and 'Retype New Password'.
- Bottom right: 'Apply' and 'Clear' buttons.

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

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

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

## Registration Information



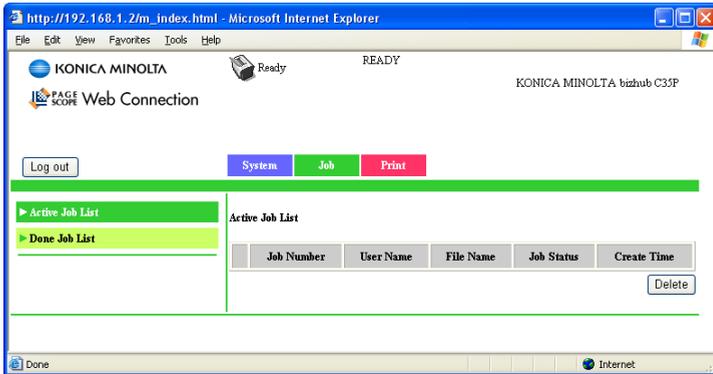
The registration information for the user who is logged on can be checked from the **System - User Authentication - Registration Information** page.

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 <b>Synchronize User Authentication &amp; Account Track</b> is set to <b>Synchronize</b> in the <b>Network - Authentication - User Authentication</b> page.</i>
Function Permission Information	Shows whether printing is permitted by the user who is logged on.

<b>Item</b>	<b>Description</b>
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.

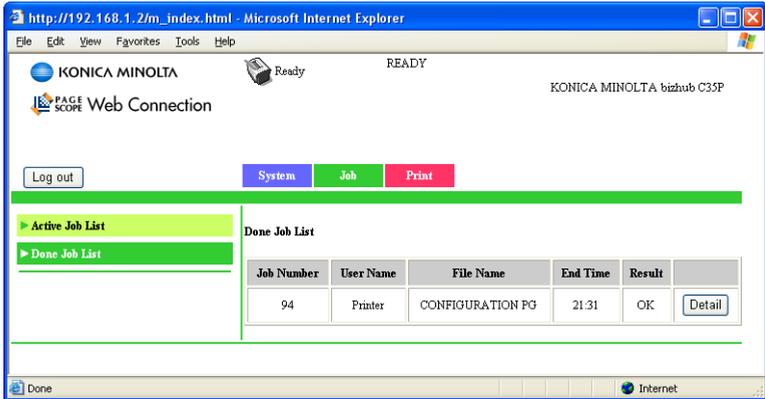


### Active Job List (shown above)

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

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.  This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending, 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.

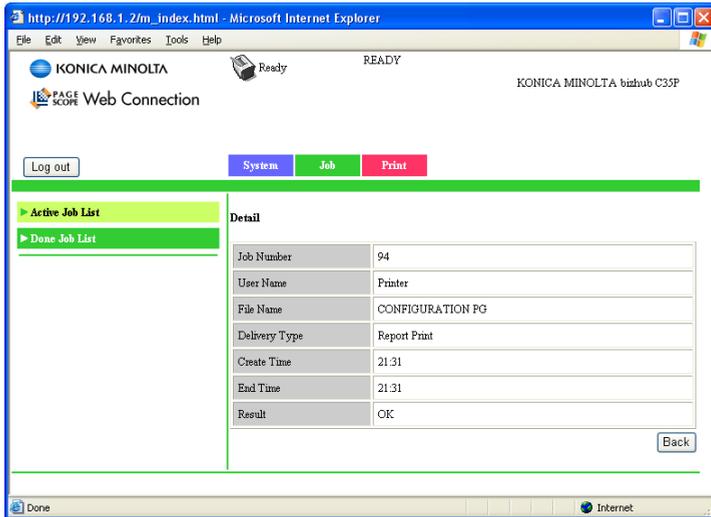
## Done Job List



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.  This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
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)

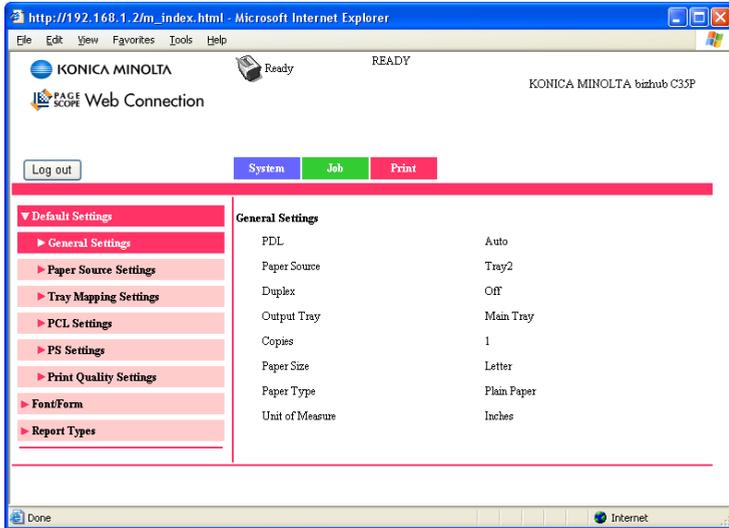


The **Job - Done Job List - Detail** window provides the following information for the selected job:

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



## Default Settings

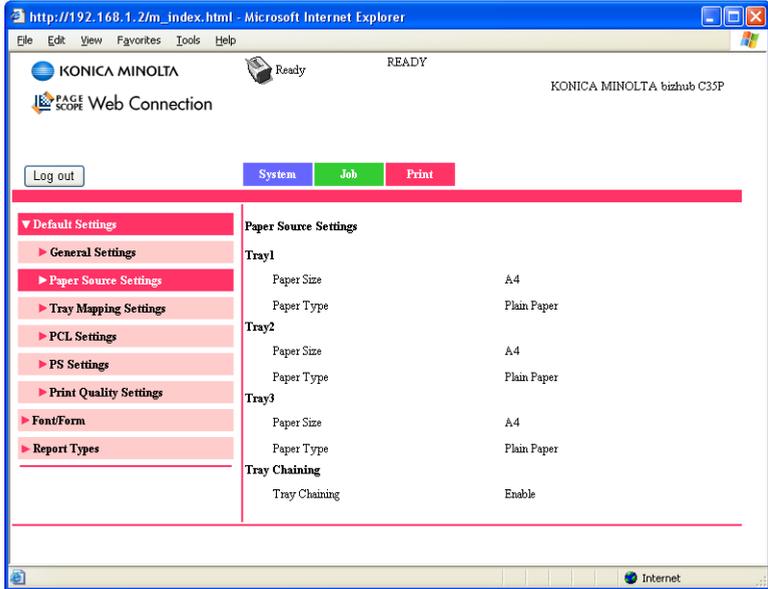
### General Settings (shown above)

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

Item	Description
PDL	Indicates default language to be selected.
Paper Source	The paper tray that is normally used is indicated.
Duplex	If <b>Long-Edge Binding</b> is indicated, the pages will be printed on both sides of the paper for long-edge binding.  If <b>Short-Edge Binding</b> is indicated, the pages will be printed on both sides of the paper for short-edge binding.
Output Tray	Displays the name of the output tray.
Copies	Indicates the default setting for number of copies to be printed.

Item	Description
Paper Size	Indicates the default setting for the size of paper.
Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
Length	Indicates the paper length when <b>Paper Size</b> is set to <b>Custom Size</b> .
Paper Type	Indicates the default setting for the type of paper.
Collate	<p>If <b>On</b> is indicated, all pages in a copy of the document can be printed before printing the next copy.</p> <p>If <b>Off</b> is indicated, all copies of the document are not printed separately.</p> <p> <i>This menu item appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.</i></p>
Unit of Measure	The units for specifying the size of custom paper is indicated between inches and millimeters.

## Paper Source Settings

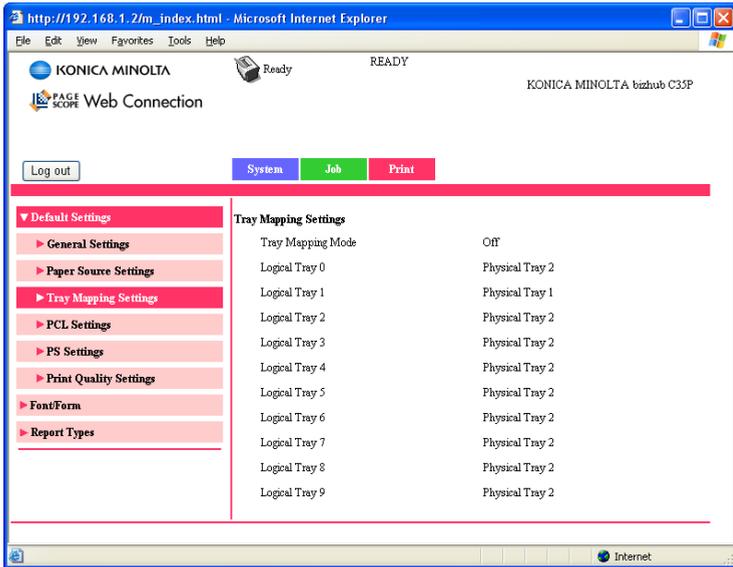


The **Print - Default Settings - Paper Source Settings** window provides the following information.

Item		Description
Tray1	Paper Size	Indicates the setting for the size of paper loaded into Tray 1.
	Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Length	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Paper Type	Indicates the setting for the type of paper loaded into Tray 1.
Tray2	Paper Size	Indicates the setting for the size of paper loaded into Tray 2.
	Width	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Length	Indicates the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .
	Paper Type	Indicates the setting for the type of paper loaded into Tray 2.

Item		Description
Tray3  This item appears only if an optional lower feeder unit PF-P09 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.
Tray Chaining		<p>If <b>Enable</b> 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 <b>Disable</b> is indicated and the specified paper tray runs out of paper, printing stops.</p>

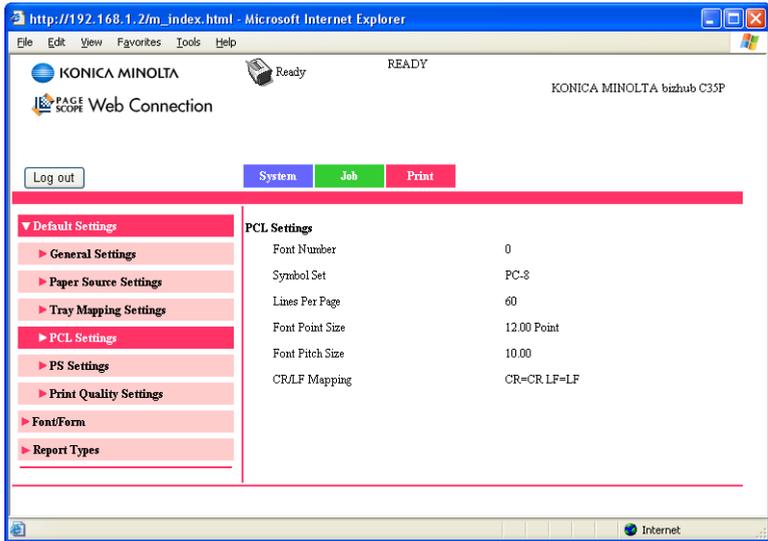
## Tray Mapping Settings



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

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

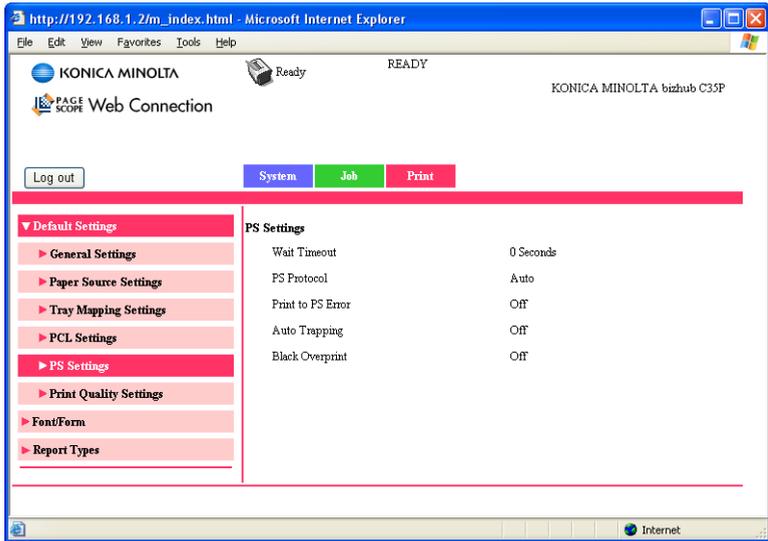
## PCL Settings



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.

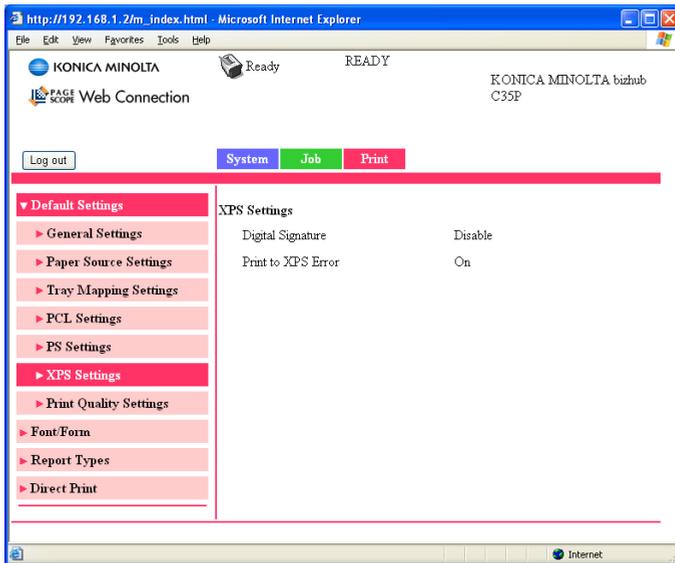
## PS Settings



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.
Auto Trapping	If <b>On</b> is displayed, Auto Trapping is enabled. If <b>Off</b> is displayed, Auto Trapping is disabled.
Black Overprint	If <b>On</b> is displayed, Black Overprint is enabled. If <b>Off</b> is displayed, Black Overprint is disabled.

## XPS Settings



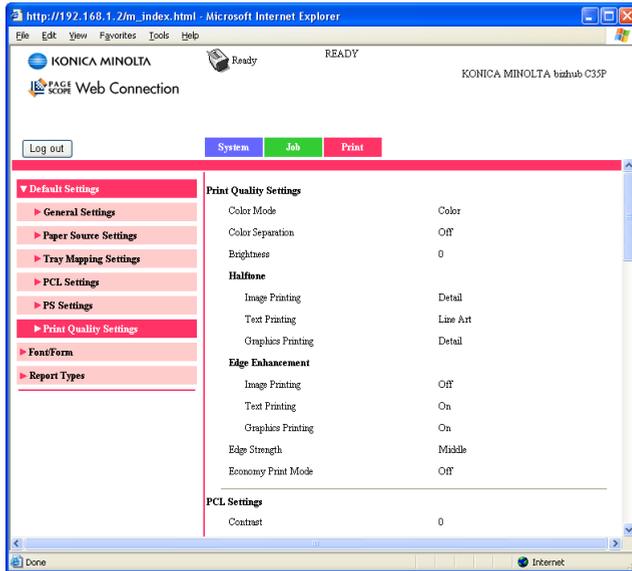
The **Print - Default Settings - XPS Settings** window provides the following information.



*This page appears only if a hard disk kit HD-P03 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.

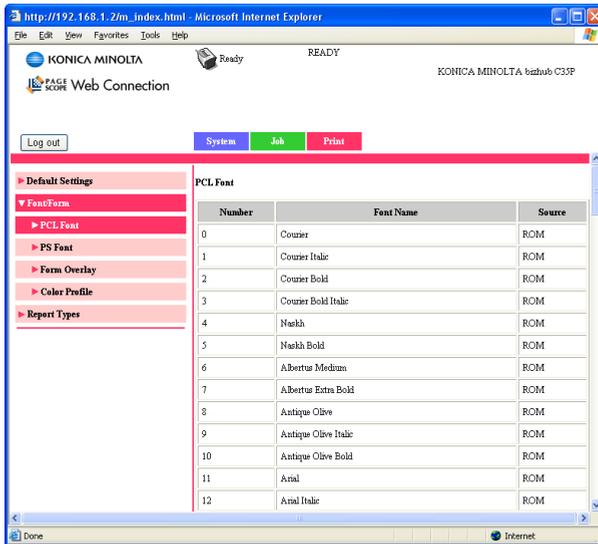
Item	Description	
Print Quality Settings	Color Mode	If <b>Color</b> is indicated, the pages are printed in full color. If <b>Monochrome</b> is indicated, the pages are printed in black and white.
	Color Separation	If <b>On</b> is indicated, color separation is performed. If <b>Off</b> is indicated, color separation is not performed.
	Brightness	Indicates the brightness of the printed image.
	Halftone (Image/Text/ Graphics Printing)	Indicates how halftones are reproduced. If <b>Line Art</b> is indicated, halftones are reproduced with high precision. If <b>Detail</b> is indicated, halftones are reproduced with detail. If <b>Smooth</b> is indicated, halftones are reproduced with smoothness.

Item		Description
	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.
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.
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.

Item		Description
Calibration Settings	Tone Calibration	If <b>On</b> is indicated, image adjustments are applied. If <b>Off</b> 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.

# Font/Form

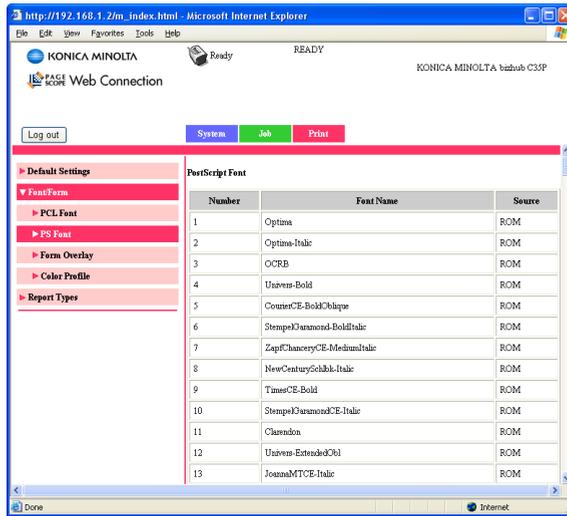
## PCL Font



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.

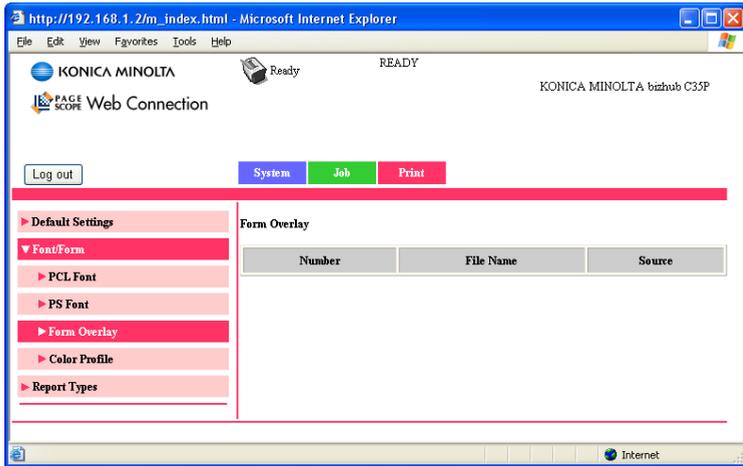
## PS Font



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.

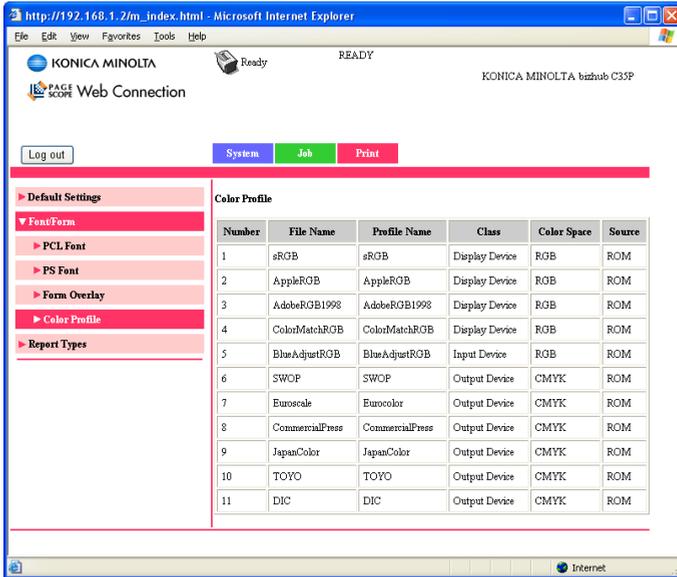
## Form Overlay



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.

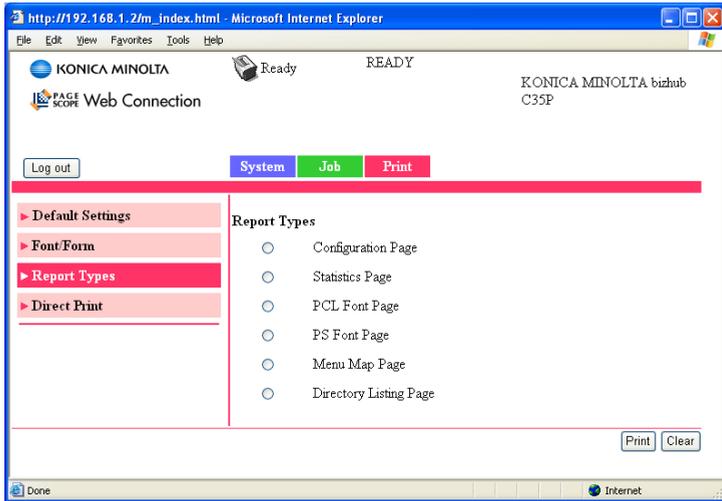
## Color Profile



The **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.

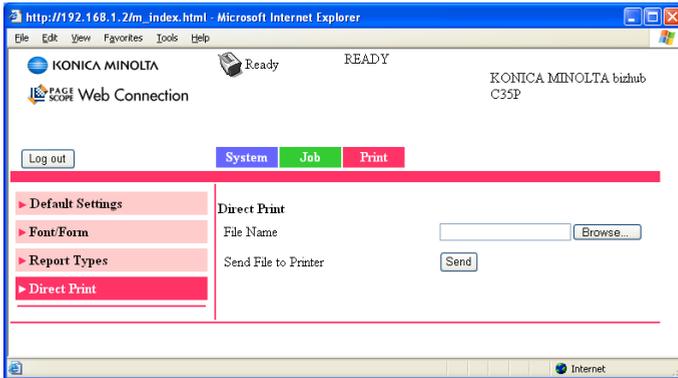
## Report Types



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

Item	Description
Configuration Page	Prints the printer configuration page.
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 HD-P03 or a CompactFlash card is installed.</i>
Print button	Sends the page to the printer.
Clear button	Cancel the selected settings.

## Direct Print



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



*This page appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.*



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



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

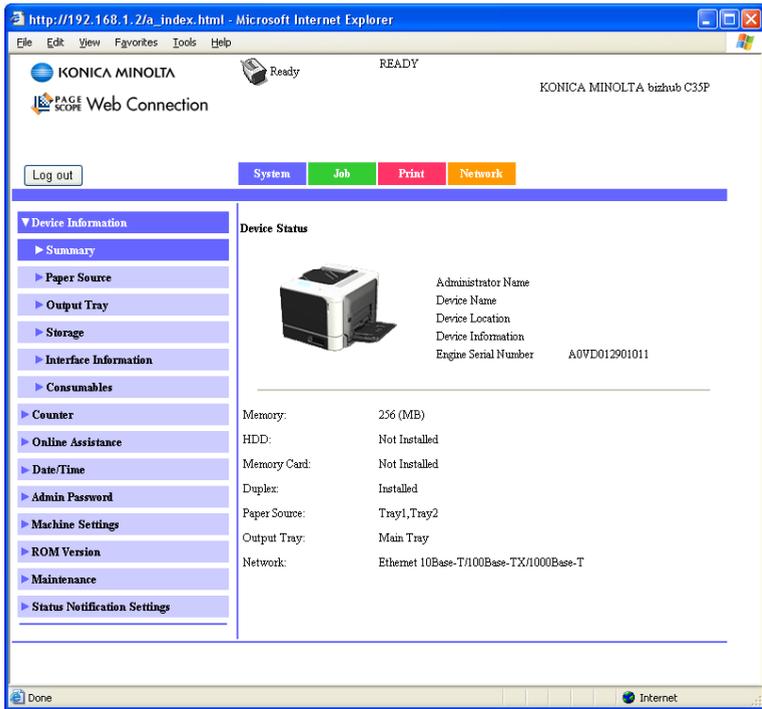
Item	Description
File Name	Specify the location of the file to be printed. Click <b>Browse</b> , and then select the file.
Browse button	Displays a dialog box for browsing to the file to be printed.
Send button	Sends the specified file to the printer.

# 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 7-11. for instructions on logging into Administrator Mode.

## System Page

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



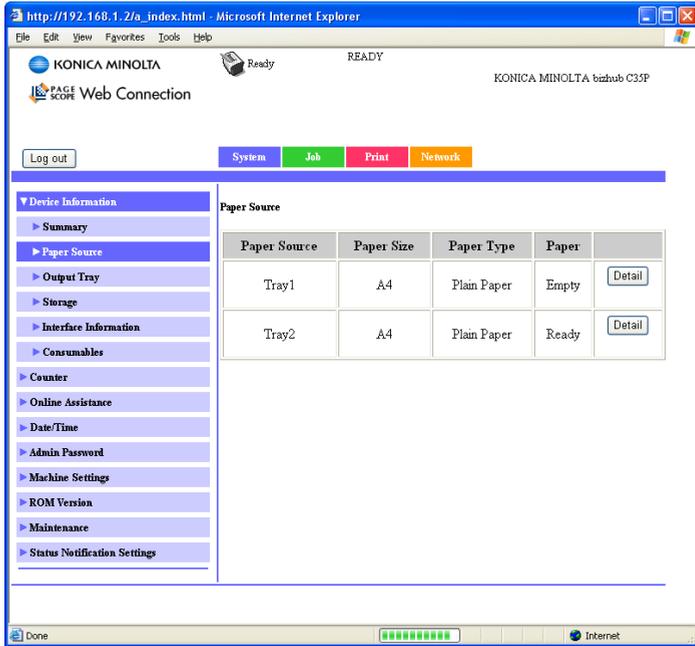
## Device Information

### Summary (previous page)

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

Item	Description
Memory	Displays the amount of memory installed in the printer.
HDD	If an optional hard disk kit HD-P03 is installed in the printer, displays the size of the hard disk.  If no optional hard disk kit HD-P03 is installed in the printer, displays "Not Installed".
Memory Card	If an optional CompactFlash card is installed in the printer, displays the size of the CompactFlash card.  If no optional CompactFlash card is installed in the printer, displays "Not Installed".
Duplex	Identifies whether the optional duplex option is "Installed" or "Not Installed".
Paper Source	Identifies the paper feed units installed on the printer.   <i>Tray3</i> appears only if the optional lower feeder unit PF-P09 are installed.
Output Tray	Identifies the output trays installed on the printer.
Network	Lists the installed printer interface (Ethernet 10Base-T/100Base-TX/1000Base-T).

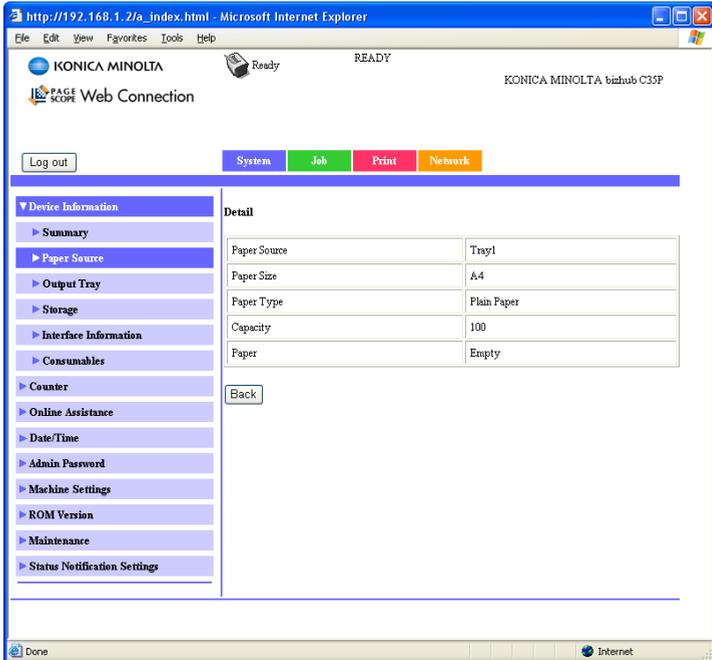
## Paper Source



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

Item	Description
Paper Source	Identifies the paper feed units Tray 1/2/3 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.

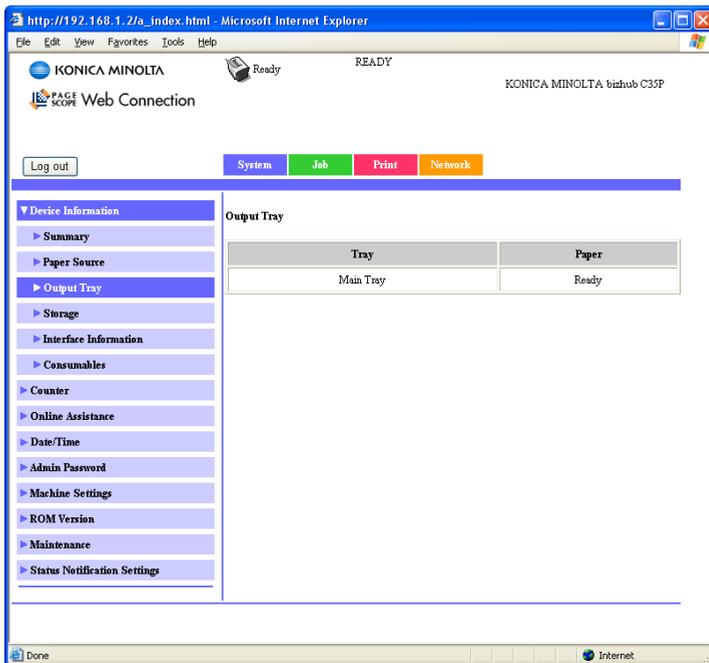
## Paper Source (Detail)



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.

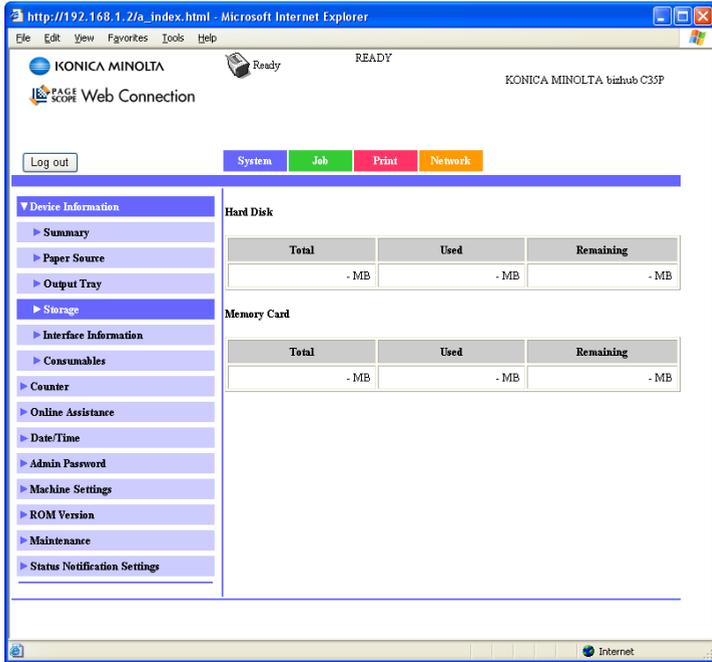
## Output Tray



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

Item	Description
Tray	Displays the name of the output tray.
Paper	Displays the status (Ready, Full) of the output tray.

## 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



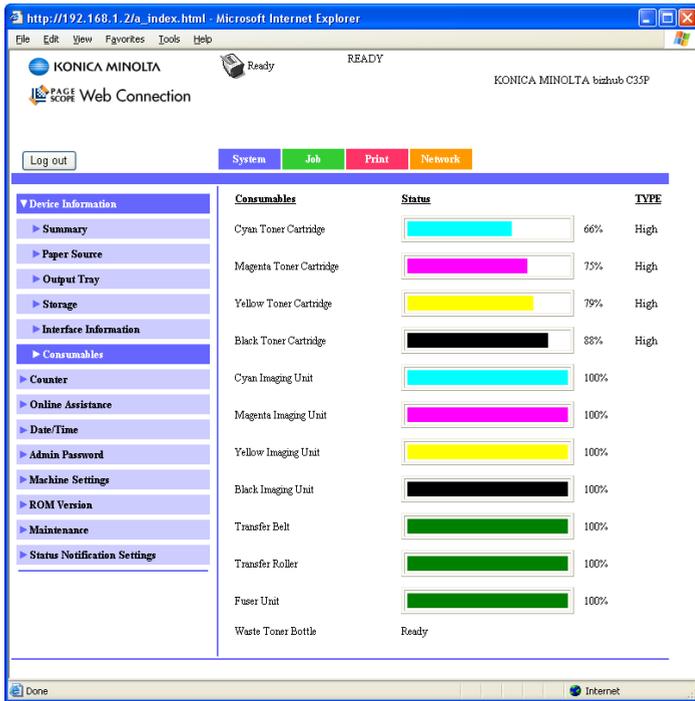
The **System - Device Information - Interface Information** window provides the following information.

Item	Description	
Protocol Information	TCP/IP	If <b>Enable</b> is displayed, TCP/IP is enabled. If <b>Disable</b> is selected, TCP/IP is disabled.
	IPv6	If <b>Enable</b> is displayed, IPv6 is enabled. If <b>Disable</b> is selected, IPv6 is disabled.
	Bonjour	If <b>Enable</b> is displayed, Bonjour is enabled. If <b>Disable</b> is displayed, Bonjour is disabled.
	FTP	If <b>Enable</b> is displayed, FTP is enabled. If <b>Disable</b> is selected, FTP is disabled.
	Dynamic DNS	If <b>Enable</b> is displayed, Dynamic DNS is enabled. If <b>Disable</b> is selected, Dynamic DNS is disabled.

Item		Description
	IPP	If <b>Enable</b> is displayed, IPP is enabled. If <b>Disable</b> is selected, IPP is disabled.
	LPD	If <b>Enable</b> is displayed, LPD is enabled. If <b>Disable</b> is selected, LPD is disabled.
	RAW Port	If <b>Enable</b> is displayed, RAW Port is enabled. If <b>Disable</b> is selected, RAW Port is disabled.
	SLP	If <b>Enable</b> is displayed, SLP is enabled. If <b>Disable</b> is selected, SLP is disabled.
	SMTP	If <b>Enable</b> is displayed, SMTP is enabled. If <b>Disable</b> is selected, SMTP is disabled.
	SNMP	If <b>Enable</b> is displayed, SNMP is enabled. If <b>Disable</b> is selected, SNMP is disabled.
	WSD Print	If <b>Enable</b> is displayed, WSD Print is enabled.  If <b>Disable</b> is selected, WSD Print is disabled.
	LLTD	If <b>Enable</b> is displayed, LLTD is enabled. If <b>Disable</b> is selected, LLTD is disabled.
	LLNMR	If <b>Enable</b> is displayed, LLNMR is enabled. If <b>Disable</b> is selected, LLNMR is disabled.
	AppleTalk	If <b>Enable</b> is displayed, AppleTalk is enabled. If <b>Disable</b> is selected, AppleTalk is disabled.
	NetWare	If <b>Enable</b> is displayed, NetWare is enabled. If <b>Disable</b> is selected, NetWare is disabled.
	IEEE802.1x	If <b>Enable</b> is displayed, IEEE802.1x is enabled.  If <b>Disable</b> is selected, IEEE802.1x is disabled.

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

## Consumables



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

Item	Description
Consumables	Identifies the type of consumable that is being monitored.
Status	Indicates the remaining life of the consumables. <ul style="list-style-type: none"> <li>■ Toner Cartridge, Imaging Unit, Transfer Belt, Transfer Roller, Fuser Unit: Percentage</li> <li>■ Waste Toner Bottle: Ready, Near Full, or Full</li> </ul>
TYPE	Identifies the type of Toner Cartridge. <ul style="list-style-type: none"> <li>■ High</li> </ul>

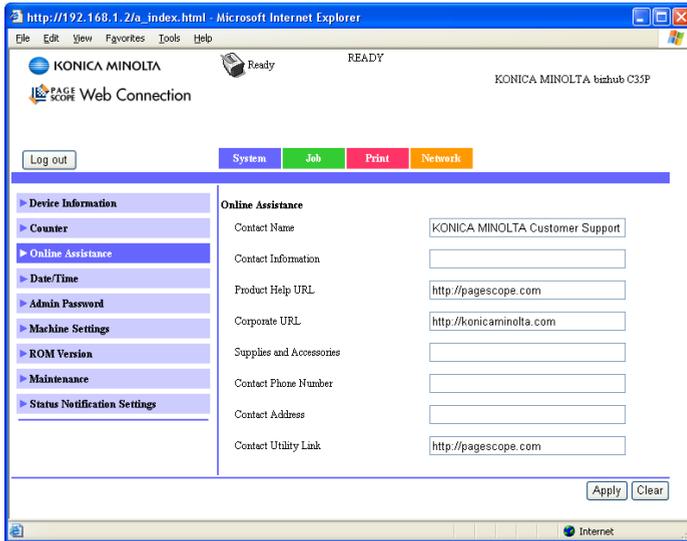
# Counter



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

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

## Online Assistance



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

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

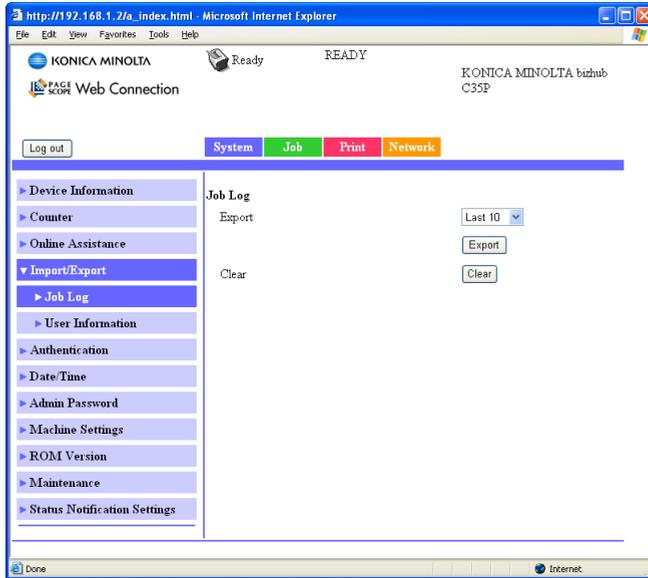
Item	Description
Supplies and Accessories	Sets the web address where you can purchase printer supplies and accessories.  Range: Up to 127 characters Default:
Contact Phone Number	Specifies the telephone number of the printer administrator.  Range: Up to 31 characters Default: [Blank]
Contact Address	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: <a href="http://pagescope.com">http://pagescope.com</a>
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 HD-P03 or a CompactFlash card is installed. In addition, this page appears when **Job Log** (in the **System - Machine Settings** page) is set to **Enable**.

## Job Log



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

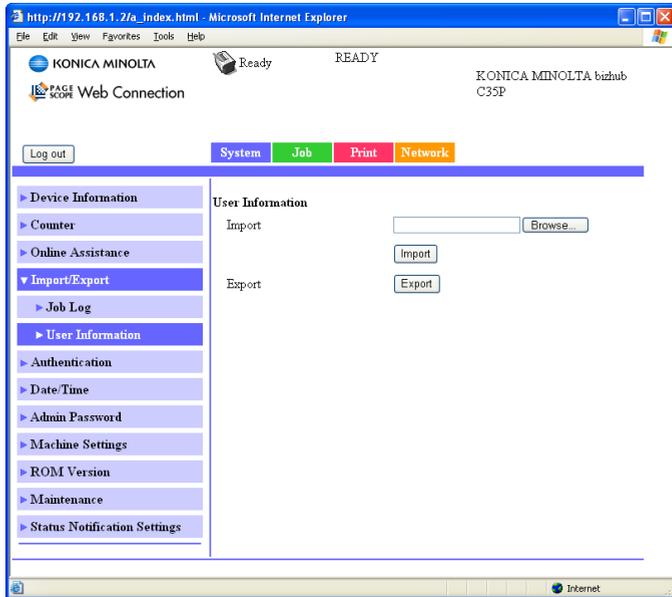


This page appears when **Job Log** (in the **System - Machine Settings** page) is set to **Enable**.

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.

Item	Description
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

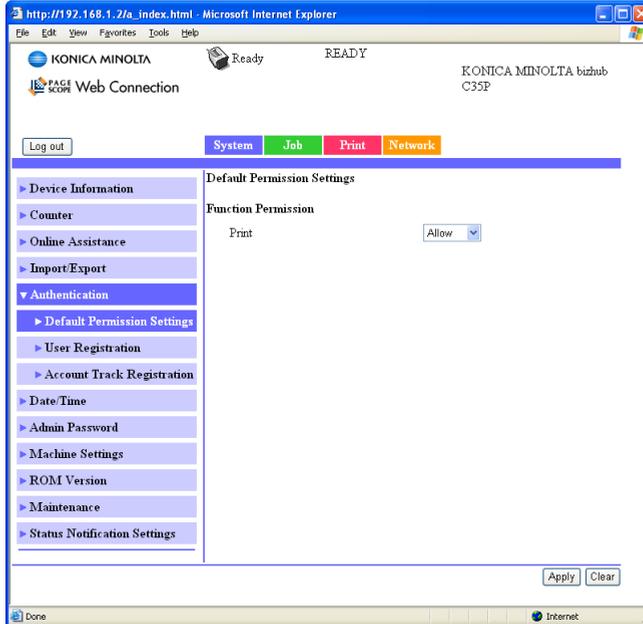


This page appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.



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

## Default Permission Settings



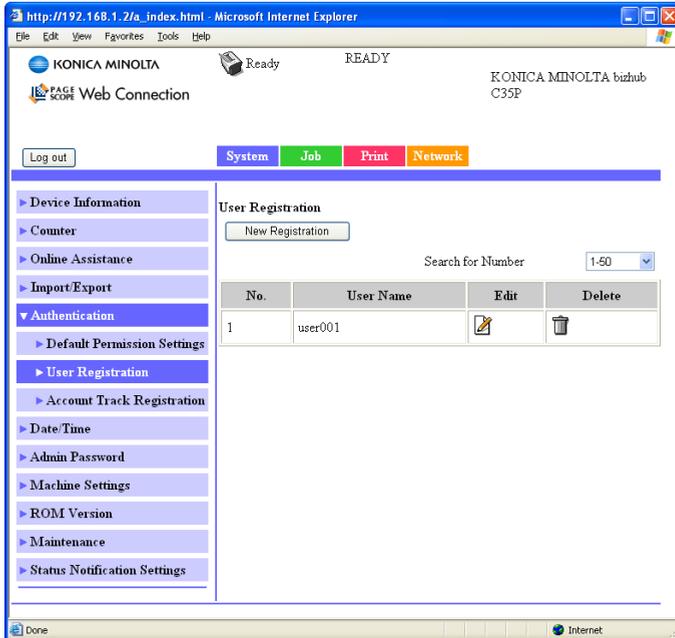
The **System - Authentication - Default Permission Settings** window allows you to configure the following items.

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

## User Registration



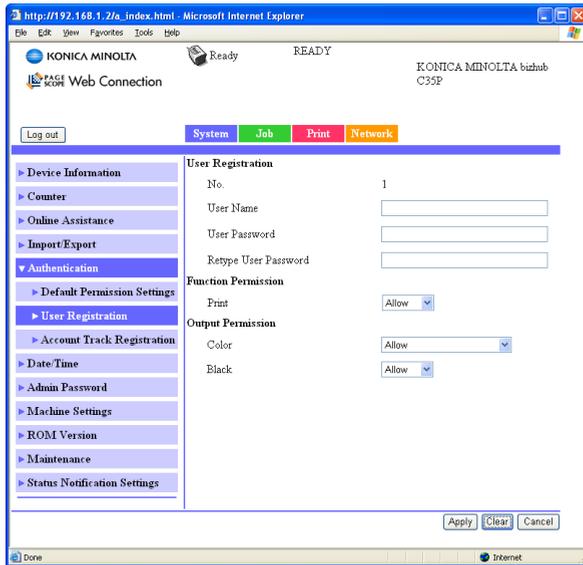
This menu item appears when **User Authentication** (in the **Network - Authentication - User Authentication** page) is set to **On**.



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

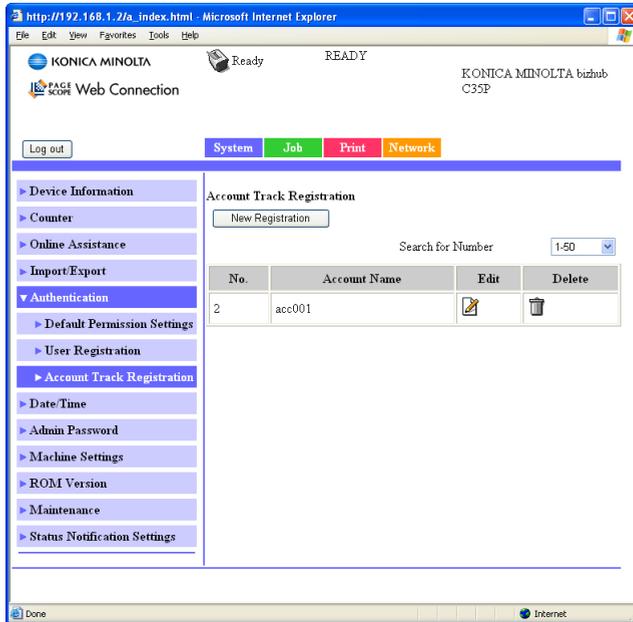
Item		Description
User Registration	No.	Shows the new user registration number (No.).
	User Name	Specify the name of the new user. Range: Up to 64 characters Default: [Blank]  <i>A user name that already exists cannot be specified.</i>  <i>"Public" cannot be specified as the user name.</i>
	User Password	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> <i>Create the account in the <b>System - Authentication - Account Track Registration - New Registration</b> page, and then specify this setting. When specifying this setting, an account name that does not exist cannot be specified.</i></p> <p> <i>This menu item appears only when both <b>User Authentication</b> and <b>Account Track</b> are set to <b>On</b> and <b>Synchronize User Authentication &amp; Account Track</b> is set to <b>Synchronize</b> (in the <b>Network - Authentication - User Authentication</b> page).</i></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 <b>System - Authentication - User Registration</b> page.	

## Account Track Registration



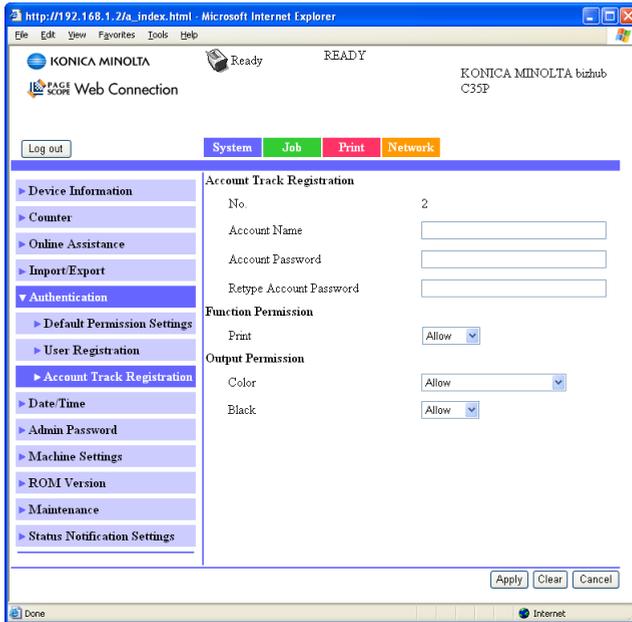
This menu item appears when **Account Track** (in the **Network - Authentication - User Authentication page**) is set to **On**.



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)



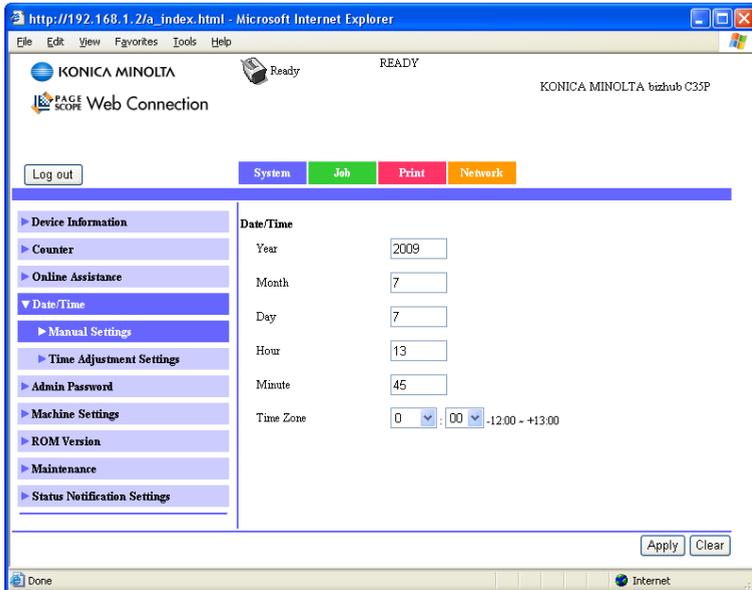
The **System - Authentication - Account Track Registration - New Registration** window allows you to configure the following items.

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 <b>System - Authentication - Account Track Registration</b> page.

# Date/Time

## Manual Settings

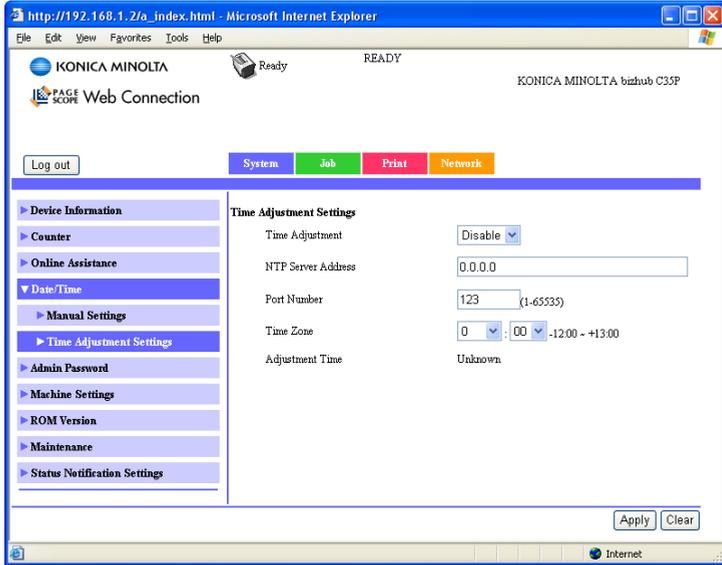


The **System - Date/Time - Manual Settings** window allows you to configure the following items:

Item	Description
Year	Specifies the year for the printer's internal clock. Range: 2008 - 2032 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE
Month	Specifies the month for the printer's internal clock. Range: 1 - 12 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE
Day	Specifies the day for the printer's internal clock. Range: 1 - 31 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - DATE

Item	Description
Hour	Specifies the hour for the printer's internal clock. Range: 0 - 23 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME
Minute	Specifies the minute for the printer's internal clock. Range: 0 - 59 Configuration Menu Equivalent: SYS DEFAULT MENU - CLOCK - TIME
Time Zone	Specifies the time zone for sending e-mail notifications. Range: -12:00 - +13:00 Default: 0:00 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

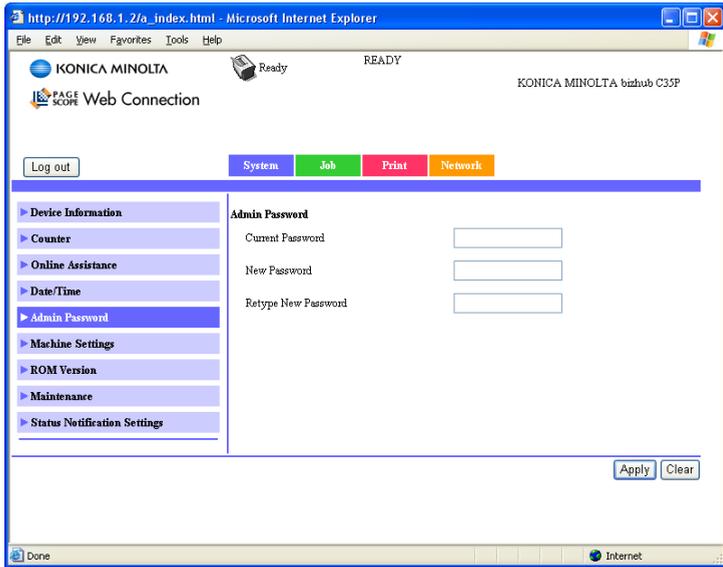


The **System - Date/Time - Time Adjust Settings** window allows you to configure the following items:

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

<b>Item</b>	<b>Description</b>
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:

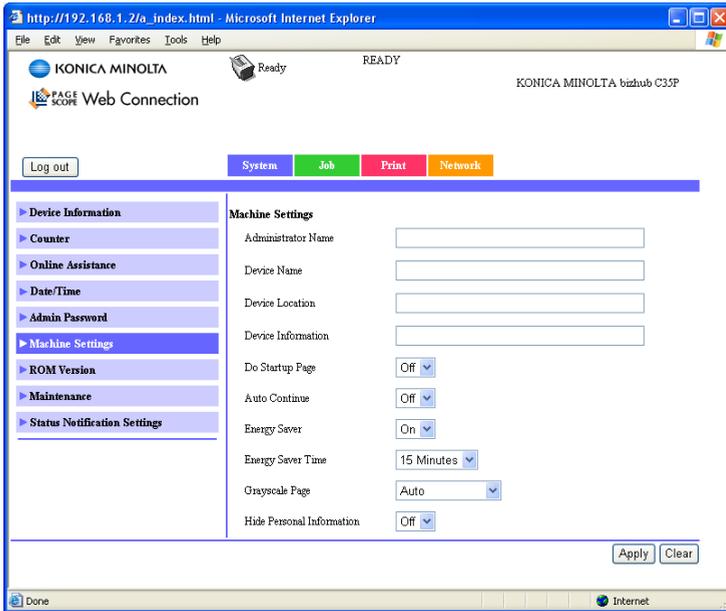
Item	Description
Current Password	Type in the current password. Range: Up to 16 characters Default: [Blank]
New Password	Sets a new password to enter Administrator Mode. Range: Up to 16 characters Default: [Blank]  <i>Passwords can be set to any string of numbers and letters (uppercase and lowercase)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

Item	Description
Retype Password	<p>Verifies the new password typed in the <b>New Password</b> 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 <b>Apply</b> button: "Password was changed unsuccessfully. Please retry." Click <b>OK</b> 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 NETWORK` menu to reset the password (and all other network configuration choices) to administrator.*

# Machine Settings



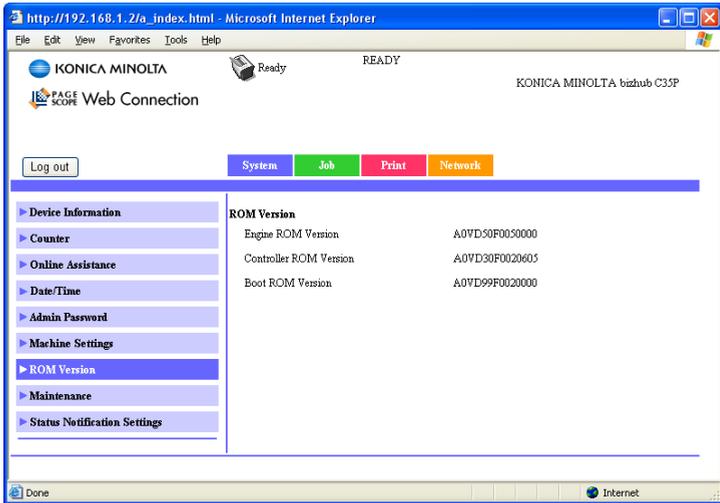
The **System - Machine Settings** window allows you to configure the following items:

Item	Description
Administrator Name	Specifies the name of the administrator for the printer. Range: Up to 127 characters Default: [Blank]
Device Name	Specifies the name of the printer. Range: Up to 127 characters Default: [Blank]
Device Location	Specifies the setup location for the printer. Range: Up to 127 characters Default: [Blank]
Device Information	Specifies the information 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 - 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 an optional hard disk kit HD-P03 is installed.</i></p>
Energy Saver	<p>If <b>On</b> is selected, the machine will enter Energy Saver mode.</p> <p>If <b>Off</b> 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 <b>Energy Saver</b> is set to <b>On</b>.</p> <p>Choices: 5-15 Minutes, 30 Minutes, 1 Hour, 3 Hours</p> <p>Default: 15 Minutes</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 <b>Auto</b> is selected, printing is automatically performed according to the first page of the job.</p> <p>If <b>Grayscale Print</b> is selected, black-and-white printing is automatically performed depending on each page.</p> <p>If <b>Color Print</b> is selected, color printing is performed, even for a black-and-white page.</p> <p>Choices: Auto, Grayscale Print, Color Print</p> <p>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</p> <p>Default: Disable</p> <p> <i>This menu item appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.</i></p>
Hide Personal Information	<p>Select whether or not the names of printed files (<b>File Name</b>) are displayed in the Job page.</p> <p>Choices: On, Off</p> <p>Default: Off</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

# ROM Version

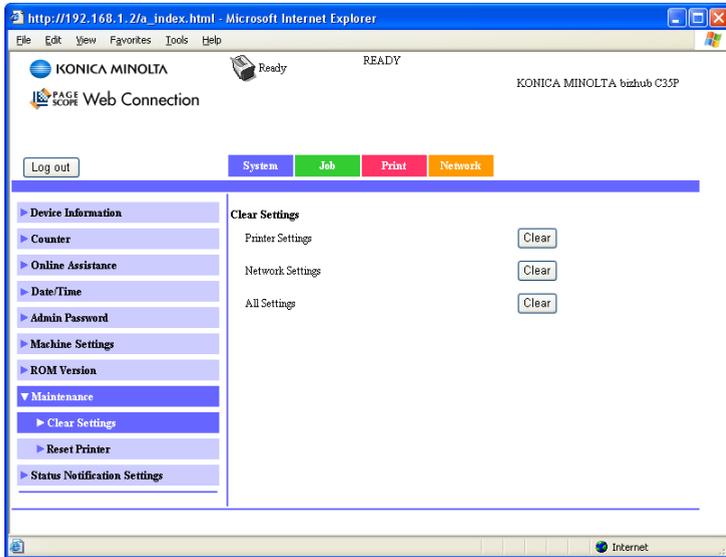


The **System - ROM Version** window provides the following information.

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.

# Maintenance

## Clear Settings

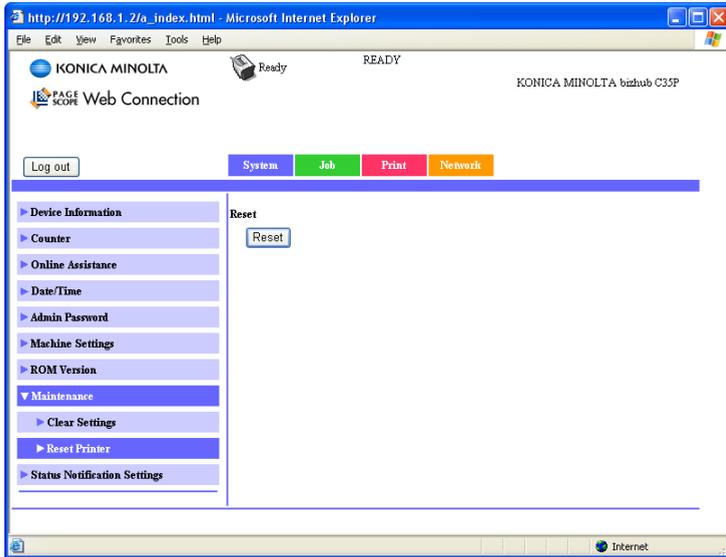


The **System - Maintenance - Clear Settings** page allows you to reset the printer settings to its factory defaults.

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 <b>OK</b> to automatically restart the printer and return the settings to their default values.

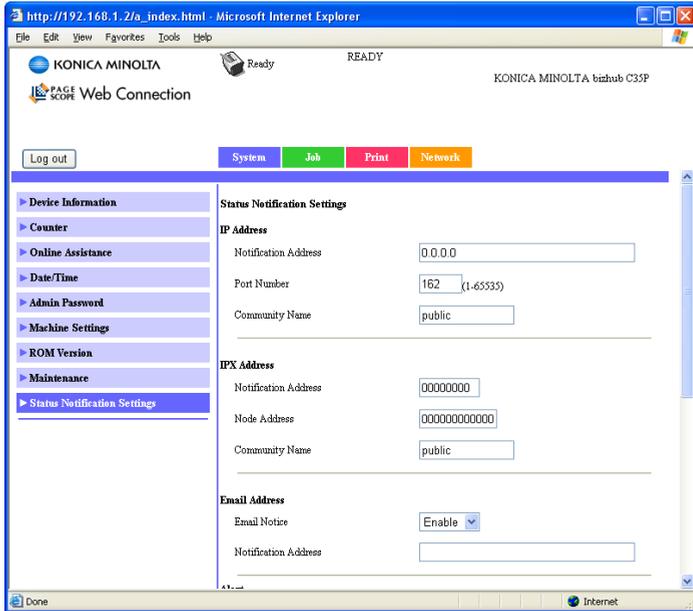
## Reset Printer



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 <b>OK</b> to automatically restart the printer.

## Status Notification Settings



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

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

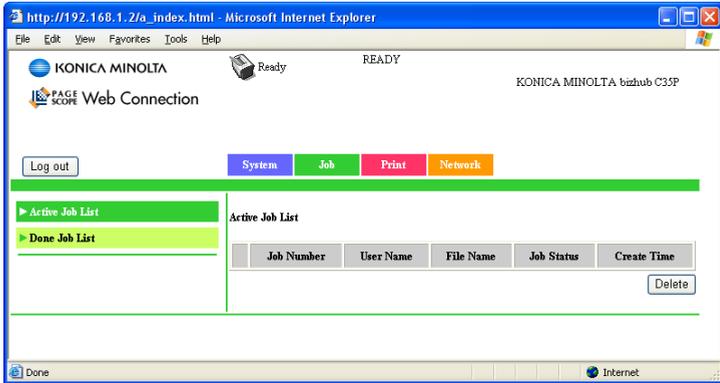
Item		Description
IPX Address	Notification Address	Specify the IPX address of the SNMP trap receiver.  Range: 8 characters Default: 00000000
	Node Address	Specify the node address of the SNMP trap receiver.  Range: 12 characters Default: 000000000000
	Community Name	Specify the community name for the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

Item		Description
	Toner Out	<p>Specifies whether or not a notification is sent when the toner is empty.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Output Tray Full	<p>Specifies whether or not a notification is sent when the output tray has become full.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Fuser Unit End	<p>Specifies whether or not a notification is sent when the fuser unit has reached the end of its service life.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Operator Call	<p>Specifies whether or not a notification is sent when the operator must be called.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Service Call	<p>Selects whether or not notification is sent to the service representative when a condition occurs that requires servicing.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Job Complete	<p>Specifies whether or not a notification is sent when a print job is completed correctly.</p> <p>Choices: Enable, Disable Default: Enable</p>
	Job Error	<p>Specifies whether or not a notification is sent when a job could not be printed because an error occurred.</p> <p>Choices: Enable, Disable Default: Enable</p>

<b>Item</b>	<b>Description</b>
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.

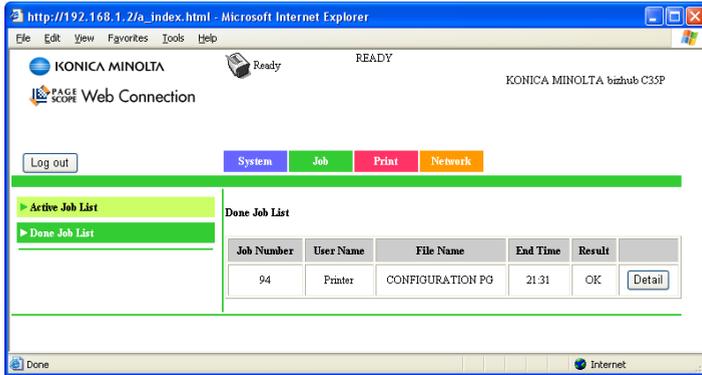


### Active Job List (show above)

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

Item	Description
Job Number	Displays the print job identification number. Each print job that the printer receives is assigned a unique identification number.
User Name	If known, displays the owner of the print job.
File Name	Displays the name of the print file.  This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
Job Status	Displays the current status of the print job (Parsing, Printing, Cancel, Pending, 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.

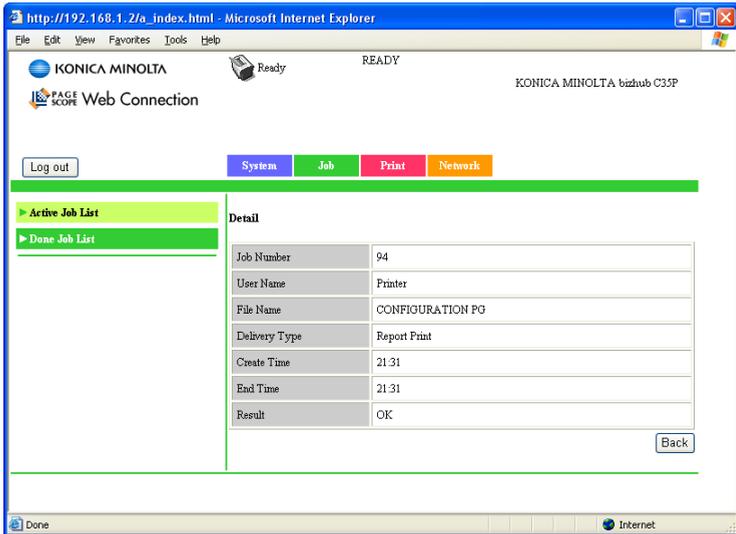
## Done Job List



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.  This cell remains empty if <b>Hide Personal Information</b> is set to <b>On</b> in the <b>System - Machine Settings</b> window.
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)



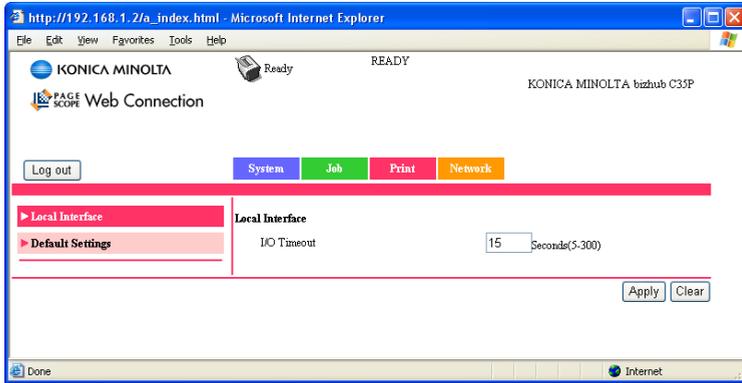
The **Job - Done Job List - Detail** window provides the following information for the selected job.

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

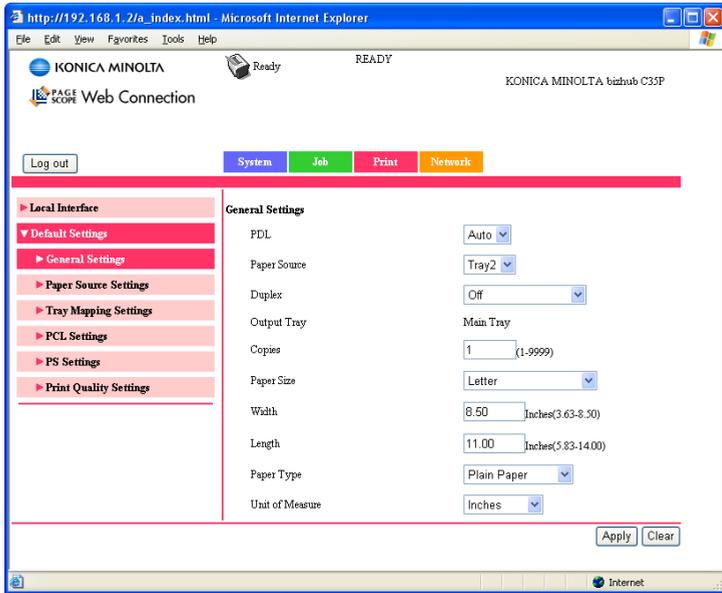


The **Print - Local Interface** window allows you to configure the following items:

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



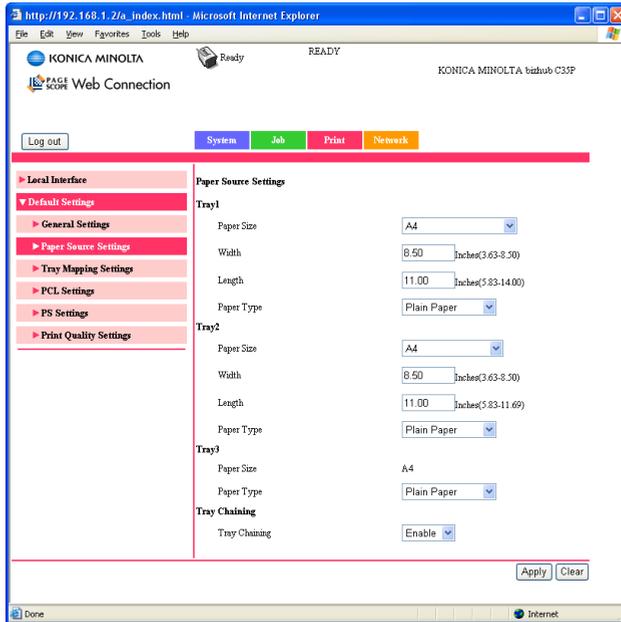
The **Print - Default Settings - General Settings** window allows you to configure the following items:

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                      Default: Tray2                      Configuration Menu Equivalent:                      PAPER MENU - PAPER SOURCE -                      DEFAULT TRAY</p> <p> <b>Tray3</b> appears only if an optional lower feeder unit PF-P09 is installed.</p>

Item	Description
Duplex	<p>If <b>Long-Edge Binding</b> is selected, the pages will be printed on both sides of the paper for long-edge binding.</p> <p>If <b>Short-Edge Binding</b> 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>
Output Tray	Displays the name of the output tray.
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>
Paper Size	<p>Specifies the default setting for the size of paper.</p> <p>Configuration Menu Equivalent: SYS DEFAULT MENU - PAPER - DEFAULT PAPER - PAPER SIZE</p>
Width	<p>Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b>.</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 <b>Paper Size</b> is set to <b>Custom Size</b>.</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, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent:            SYS DEFAULT MENU - PAPER -            DEFAULT PAPER - PAPER TYPE</p>
Collate	<p>If <b>On</b> is selected, all pages in a copy of the document can be printed before printing the next copy. If <b>Off</b> 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 HD-P03 or a CompactFlash card 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>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## Paper Source Settings



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

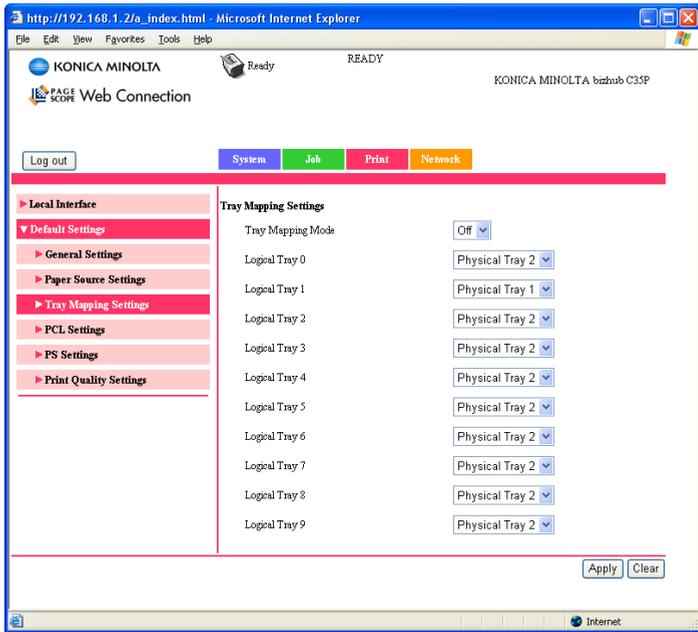
Item		Description
Tray1	Paper Size	Specifies the setting for the size of paper loaded into Tray 1.  Default: Letter (120V model) A4 (Other model) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER SIZE
	Width	Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b> .  Range: 3.63 - 8.50 (inch) / 92 - 216 (mm) Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - CUSTOM SIZE - WIDTH

Item		Description
	Length	<p>Specifies the paper length when <b>Paper Size</b> is set to <b>Custom Size</b>.</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, Thick 2, Label, Envelope, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY1 - PAPER TYPE</p>

Item		Description
Tray2	Paper Size	<p>Specifies the setting for the size of paper loaded into Tray 2.</p> <p>Default: Letter (120V model) A4 (other model)</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER SIZE</p>
	Width	<p>Specifies the paper width when <b>Paper Size</b> is set to <b>Custom Size</b>.</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 <b>Paper Size</b> is set to <b>Custom Size</b>.</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, Postcard, Letterhead, Glossy 1, Glossy 2, Single Side Only, Special Paper</p> <p>Default: Plain Paper</p> <p>Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY2 - PAPER TYPE</p>

Item		Description
Tray3  This item appears only if an optional lower feeder unit PF-P09 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, Single Side Only, Special Paper Default: Plain Paper Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY3 - PAPER TYPE
Tray Chaining	Tray Chaining	If <b>Enable</b> is selected and the specified paper tray runs out of paper during printing, a paper tray loaded with paper of the same size is automatically selected so printing can continue.  If <b>Disable</b> is selected and the specified paper tray runs out of paper, printing stops.  Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: PAPER MENU - PAPER SOURCE - TRAY CHAINING
Apply button		Applies the configuration settings for this window.
Clear button		Resets all configuration settings to previous values.

## Tray Mapping Settings

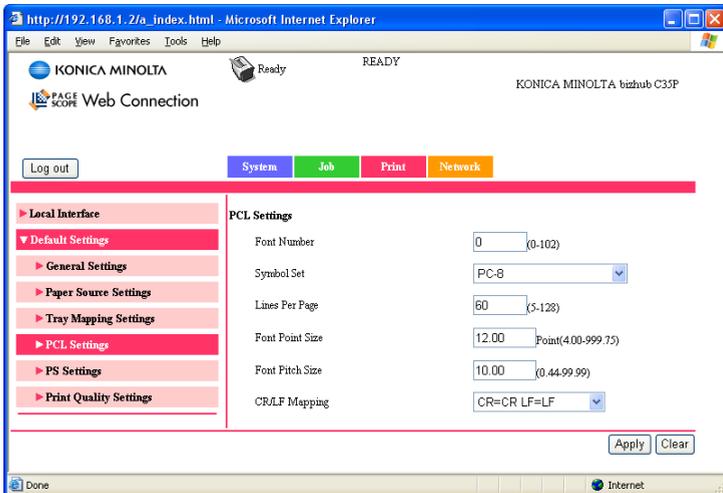


The **Print - Default Settings - Tray Mapping Settings** window provides the following information.

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

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 <b>Logical Tray 1</b> is <b>Physical Tray1</b>. The default setting for all other trays is <b>Physical Tray2</b>.</p> <p>Choices: Physical Tray1, Physical Tray2, Physical Tray3</p> <p>Configuration Menu Equivalent:  PAPER MENU - PAPER SOURCE - TRAY MAPPING - LOGICAL TRAY0 - 9</p> <p> <i>Physical Tray3 appears only if an optional lower feeder unit PF-P09 is installed.</i></p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## PCL Settings

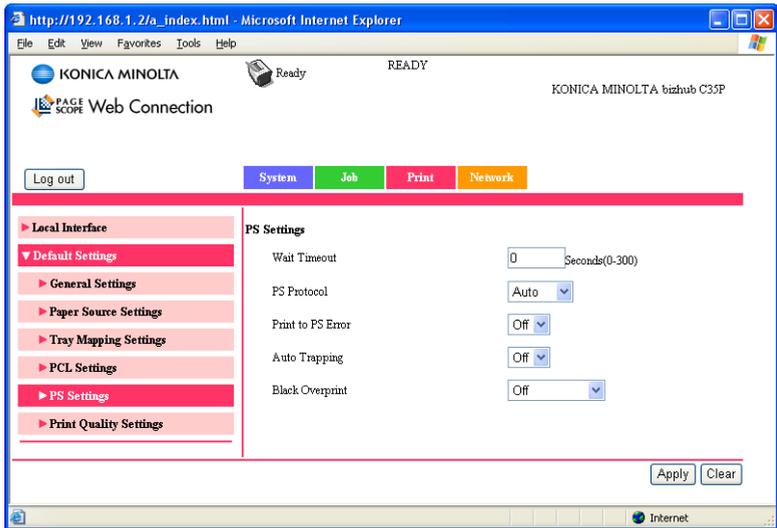


The **Print - Default Settings - PCL Settings** window allows you to configure the following items:

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
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

Item	Description
CR/LF Mapping	<p>Selects CR/LF code definition in PCL language.</p> <p>Choices: CR=CR LF=LF, CR=CRLF LF=LF,  CR=CR LF=LFCR, CR=CRLF LF=LFCR</p> <p>Default: CR=CR LF=LF</p> <p>Configuration Menu Equivalent:  SYS DEFAULT MENU - EMULATION  - PCL - CR/LF MAPPING</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## PS Settings

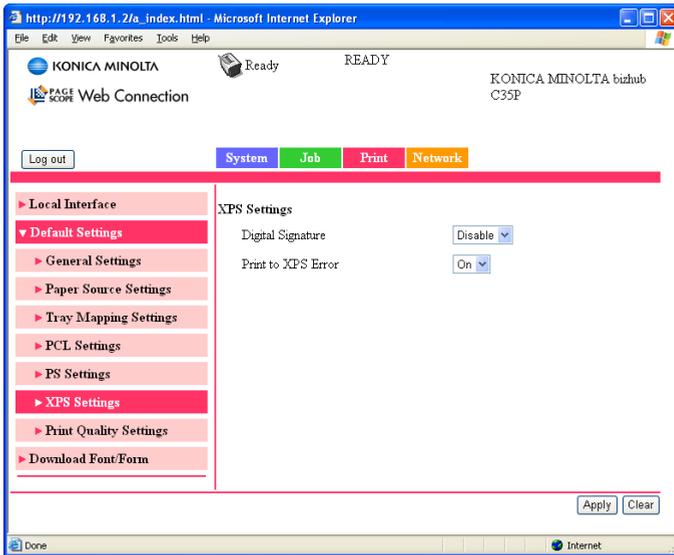


The **Print - Default Settings - PS Settings** window allows you to configure the following items:

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            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            Configuration Menu Equivalent:            SYS DEFAULT MENU - EMULATION            - POSTSCRIPT - PS PROTOCOL</p>

Item	Description
Print to PS Error	<p>Specifies whether or not error printing is performed.</p> <p>Choices: On, Off  Default: Off  Configuration Menu Equivalent:  SYS DEFAULT MENU - EMULATION  - POSTSCRIPT - PS ERROR PAGE</p>
Auto Trapping	<p>Select whether or not neighboring colors are printed superimposed in order to prevent white space around images.</p> <p>Choices: On, Off  Default: Off  Configuration Menu Equivalent:  SYS DEFAULT MENU - EMULATION  - POSTSCRIPT - AUTO TRAPPING</p>
Black Overprint	<p>Specify whether black objects are printed (superimposed) on a neighboring color in order to prevent white space around black characters or figures.</p> <p>If <b>Text/Graphic</b> is selected, superimposed printing is applied to text and graphics.</p> <p>If <b>Text</b> is selected, superimposed printing is applied to text.</p> <p>Choices: Text/Graphic, Text, Off  Default: Off  Configuration Menu Equivalent:  SYS DEFAULT MENU - EMULATION  - POSTSCRIPT - BLACK OVER-  PRINT</p>
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:

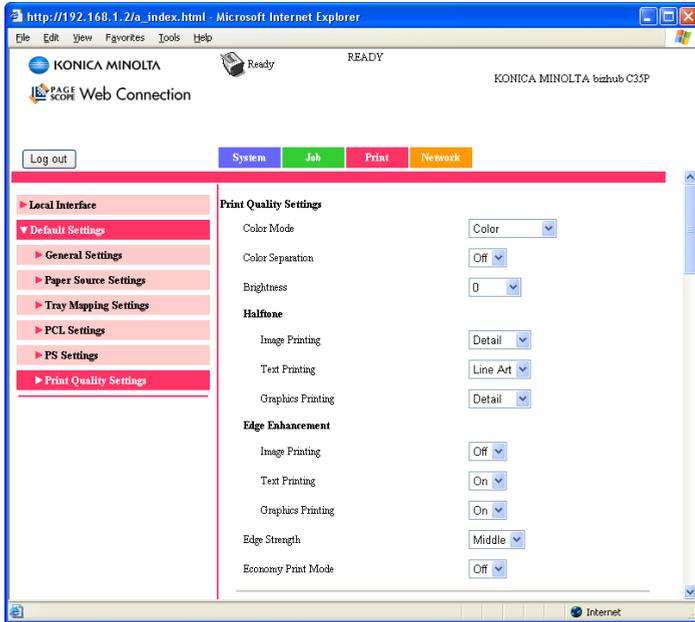


*This page appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.*

Item	Description
Digital Signature	Specify whether to verify digital signature. When <b>Enable</b> 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

Item	Description
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><b>Color Mode</b></p> <p>If <b>Color</b> is selected, the pages are printed in full color. If <b>Monochrome</b> 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
	Color Separation	<p>If <b>On</b> is selected, color separation is performed.</p> <p>If <b>Off</b> is selected, color separation is not performed.</p> <p>Choices: On, Off</p> <p>Default: Off</p> <p>Configuration Menu Equivalent:            QUALITY MENU - COLOR SEPARATION</p>
	Brightness	<p>Specifies the brightness of the printed image.</p> <p>Choices: +15%, +10%, +5%, 0, -5%, -10%, -15%</p> <p>Default: 0</p> <p>Configuration Menu Equivalent:            QUALITY MENU - BRIGHTNESS</p>
	Halftone (Image/Text/Graphics Printing)	<p>Specifies how halftones are reproduced.</p> <p>If <b>Line Art</b> is selected, halftones are reproduced with high precision.</p> <p>If <b>Detail</b> is selected, halftones are reproduced with detail.</p> <p>If <b>Smooth</b> is selected, halftones are reproduced with smoothness.</p> <p>Choices: Line Art, Detail, Smooth</p> <p>Default: Detail (Image/Graphics)            Line Art (Text)</p> <p>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 <b>On</b> is selected, the edges are emphasized.</p> <p>If <b>Off</b> is selected, the edges are not emphasized.</p> <p>Choices: On, Off</p> <p>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 <b>Off</b> is selected, the edges are not emphasized.</p> <p>If <b>Low</b> is selected, the edges are slightly emphasized.</p> <p>If <b>Middle</b> is selected, the edges are emphasized by an average amount.</p> <p>If <b>High</b> is selected, the edges are highly emphasized.</p> <p>Choices: Off, Low, Middle, High</p> <p>Default: Middle</p> <p>Configuration Menu Equivalent: QUALITY MENU - EDGE STRENGTH</p>
	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</p> <p>Default: Off</p> <p>Configuration Menu Equivalent: QUALITY MENU - ECONOMY PRINT</p>

Item		Description
PCL Settings	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:            QUALITY MENU - PCL            SETTING - CONTRAST</p>
	Image/Text/ Graphics Printing (Source)	<p>Specifies the color space for RGB data.</p> <p>Choices: Device Color, sRGB</p> <p>Default: sRGB</p> <p>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</p> <p>Default: Photographic (Image)            Vivid (Text/Graphics)</p> <p>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</p> <p>Default: Black and Gray</p> <p>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: Black and Gray</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, Japan Color 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 <b>On</b> is indicated, image adjustments are applied.  If <b>Off</b> 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.

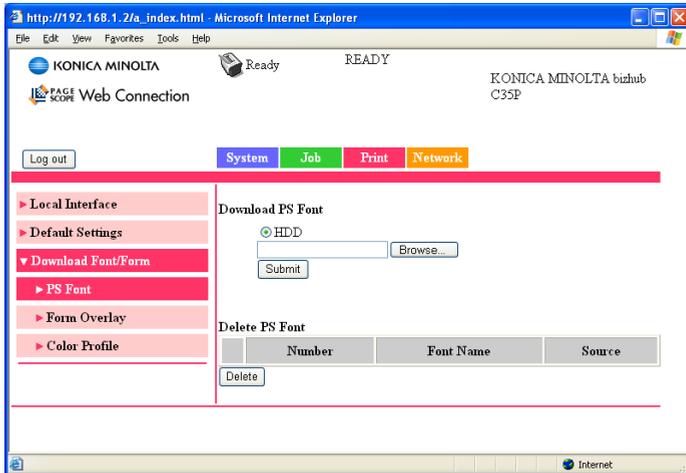
<b>Item</b>	<b>Description</b>
Clear button	Resets all configuration settings to previous values.

## Download Font/Form



*This page appears only if a hard disk kit HD-P03 or a CompactFlash card is installed.*

### PS Font



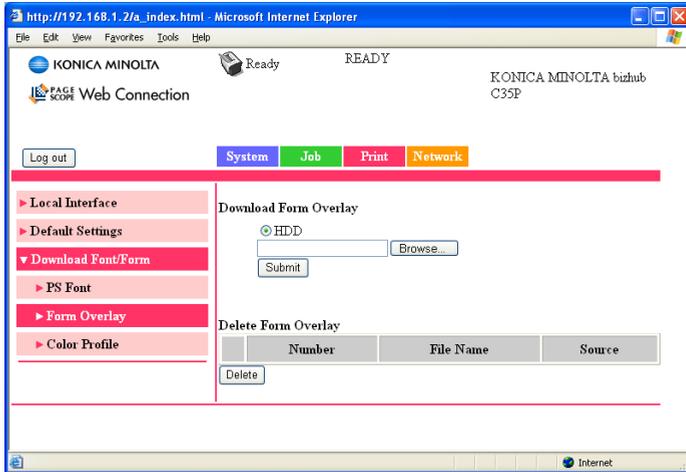
*The printer must have an optional hard disk kit HD-P03 or CompactFlash card to use the PS Font parameters described below.*

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 <b>Delete</b> 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

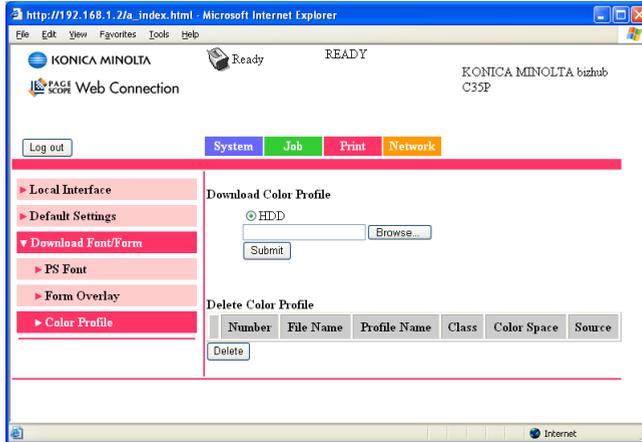


The **Print - Download Font/Form - Form Overlay** window allows you to configure the following items:

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 <b>Delete</b> 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.

Item	Description	
	Source	Displays the storage source of the form overlay.
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 <b>Delete</b> 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 6 “Network Printing”



## TCP/IP

### TCP/IP (shown above)

The **Network - TCP/IP - TCP/IP** window allows you to configure the following items. For more information on these TCP/IP, see Chapter 6 “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>
LLMNR	<p>Select whether or not LLMNR is used.</p> <p>Choices: Enable, Disable</p> <p>Default: 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 6 “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 <b>Apply</b> 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 <b>Apply</b> 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 <b>Apply</b> button is clicked. The setting returns to the previous value.</i></p> <p>Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - DEFAULT GATEWAY</p>
Domain Name Automatic Acquisition	<p>Select whether or not the default DNS domain name is automatically acquired from the DHCP server to overwrite the current setting.</p> <p>Choices: Enable, Disable Default: Enable</p>

Item	Description
DNS Server Automatic Acquisition	Select whether or not the DNS server address is automatically acquired from the DHCP server to overwrite the current setting.  Choices: Enable, Disable Default: Enable
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.
* Always enter these addresses without leading zeros. For example, 131.011.010.001 should be entered as 131.11.10.1.	

## IPv6 Settings



The **Network - TCP/IP - IPv6 Settings** window allows you to configure the following items. For more information on these TCP/IP, see Chapter 6 “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: 4 to 43 characters</p> <p>Configuration Menu Equivalent:  INTERFACE MENU - ETHERNET - TCP/  IP - IPv6 - GLOBAL ADDRESS</p> <p> <i>When <b>IPv6 Auto Setting</b> is set to <b>ENABLE</b>, 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: 6 to 39 characters</p> <p>Configuration Menu Equivalent:  INTERFACE MENU - ETHERNET - TCP/  IP - IPv6 - GATEWAY ADDRESS</p> <p> <i>When <b>IPv6 Auto Setting</b> is set to <b>ENABLE</b>, this item is not applied, even if the setting is changed.</i></p>
DHCPv6	<p>Select whether or not DHCPv6 is used.</p> <p>Choices: Enable, Disable  Default: Enable</p>
DNS Server Automatic Acquisition	<p>Select whether or not the DNS server address is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable  Default: Enable</p>
Search Domain Name Automatic Acquisition	<p>Select whether or not the DNS search domain name is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable  Default: Enable</p>
NTP Server Automatic Acquisition	<p>Select whether or not the SNTP server address is automatically acquired from the DHCPv6 server to overwrite the current setting.</p> <p>Choices: Enable, Disable  Default: Enable</p>

<b>Item</b>	<b>Description</b>
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 6 “Network Printing”

Item	Description
Raw Port	<p>Select whether or not RAW port is used.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent:</p> <p style="text-align: center;">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</p> <p>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

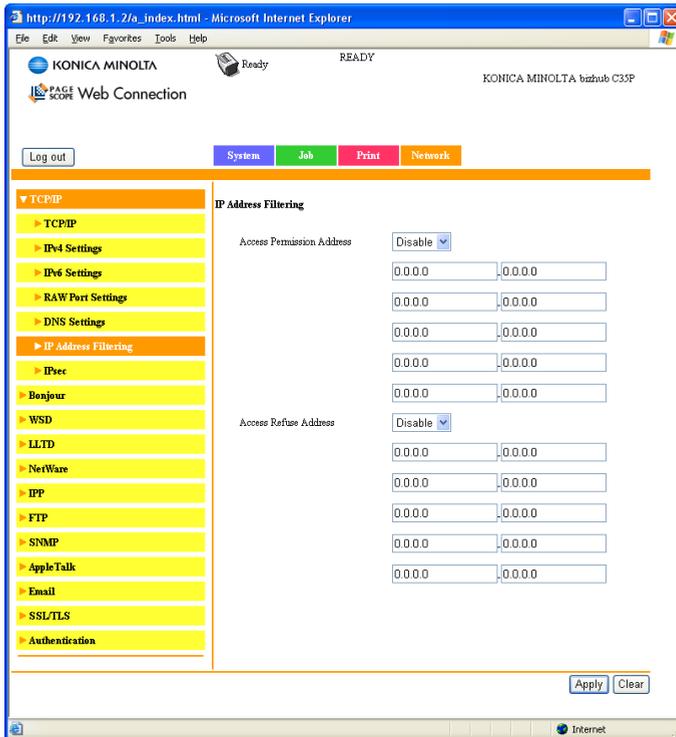


The **Network - TCP/IP - DNS Settings** window allows you to configure the following items. For more information on these TCP/IP, see Chapter 6 “Network Printing”

Item	Description
Host Name	<p>Specifies the host name.</p> <p>Range: Up to 63 characters</p> <p>Default: BHC35P-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</p> <p>Default: [Blank]</p>

<b>Item</b>	<b>Description</b>
DNS Server(IPv4)	Specifies the DNS server. A maximum of three IPv4 addresses can be specified. Default: 0.0.0.0
DNS Server(IPv6)	Specifies the DNS server. A maximum of three IPv6 addresses can be specified. Default: ::
Search Domain Name	Specifies the DNS Search Domain. A maximum of three FQDN (fully qualified domain names) can be specified. Default: [Blank]
Dynamic DNS	Select whether or not Dynamic DNS is used. Choices: Enable, Disable Default: Disable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/ IP - DYNAMIC DNS - ENABLE
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

## IP Address Filtering



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



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

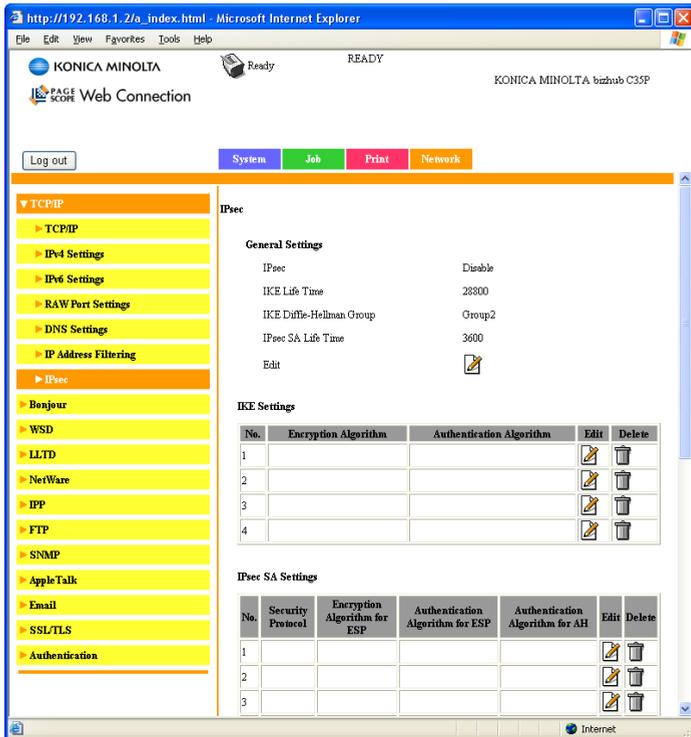


*If the range of permitted IP addresses in **Access Permission Address** overlaps the range of refused IP address in **Access Refuse Address**, the refuse setting of **Access Refuse Address** is given priority.*

Item	Description
<p>Access Permis- sion Address</p>	<p>If <b>Enable</b> 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 <b>Disable</b> 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>
<p>Range of IP address permit- ted access*</p>	<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 <b>Enable</b> 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 <b>Disable</b> 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 6 “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.

Item	Description
IKE Settings /IPsec SA Settings /IPsec Peer Settings (Edit icon)	Click this icon to display the settings page.
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
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 <b>Network - TCP/IP - IPsec</b> page.

## IPsec (IKE Settings)

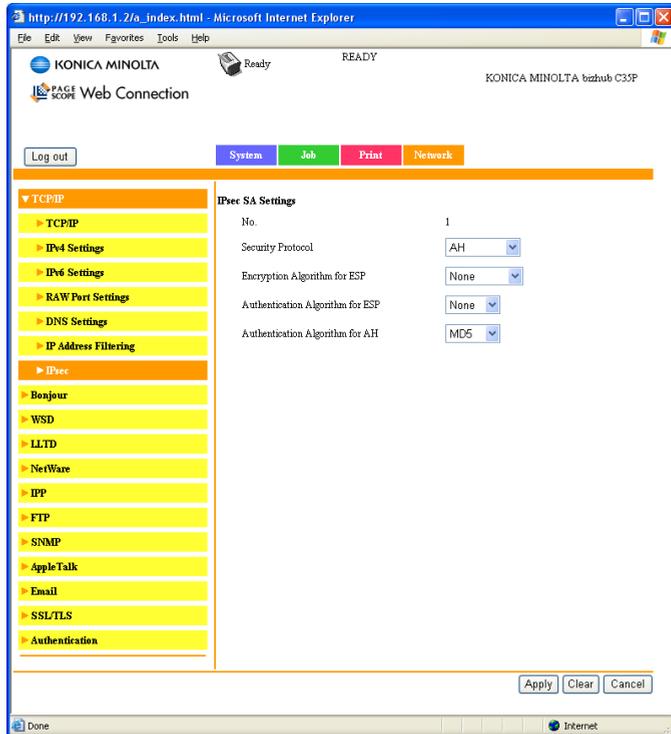


The **Network - IPsec - IKE Settings** window allows you to configure the following items.

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 <b>Network - TCP/IP - IPsec</b> page.

## IPsec (IPsec SA Settings)

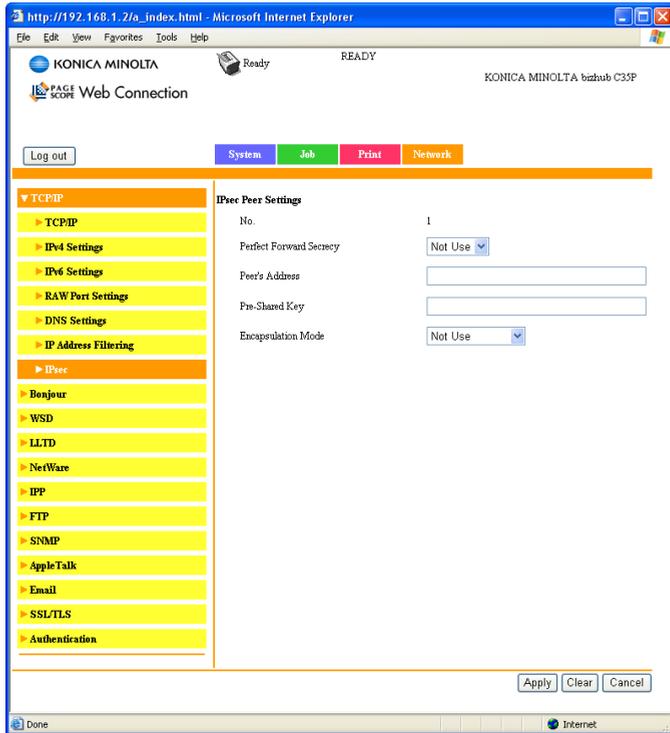


The **Network - IPsec - IPsec SA Settings** window allows you to configure the following items.

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 <b>ESP</b> is selected for <b>Security Protocol</b> , specify the ESP encryption algorithm. Choices: None, DES-CBC, 3DES-CBC, AES-CBC, AES-CTR Default: None
Authentication Algorithm for ESP	When <b>ESP</b> is selected for <b>Security Protocol</b> , specify the ESP authentication algorithm. Choices: None, MD5, SHA-1 Default: None
Authentication Algorithm for AH	When <b>AH</b> is selected for <b>Security Protocol</b> , 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 <b>Network - TCP/IP - IPsec</b> page.

## IPsec (IPsec Peer Settings)

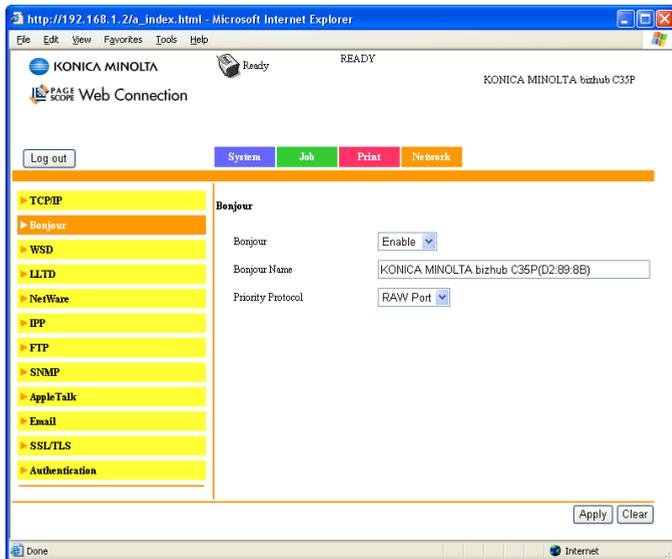


The **Network - IPsec - IPsec Peer Settings** window allows you to configure the following items.

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

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

## Bonjour

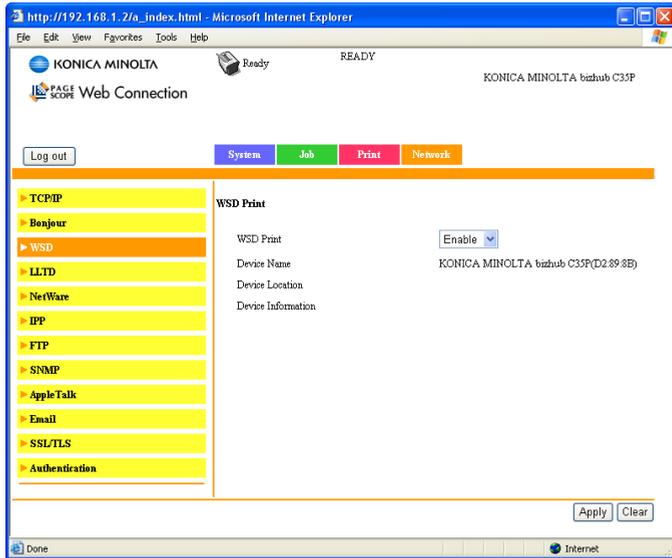


The **Network - Bonjour** page allows you to configure the following items.

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

Item	Description
Bonjour Name	Specify the Bonjour name for the printer. Range: 1 to 63 characters Default: KONICA MINOLTA bizhub C35P(xx:xx:xx)  <i>"xx:xx:xx" refers to the last six digits of the MAC address (in hexadecimal).</i>
Priority Protocol	Specify the connection protocol given priority with Bonjour. Choices: LPD, RAW Port, IPP Default: RAW Port
Apply button	Applies the configuration settings in this page.
Clear button	Resets all configuration settings to previous values.

# WSD

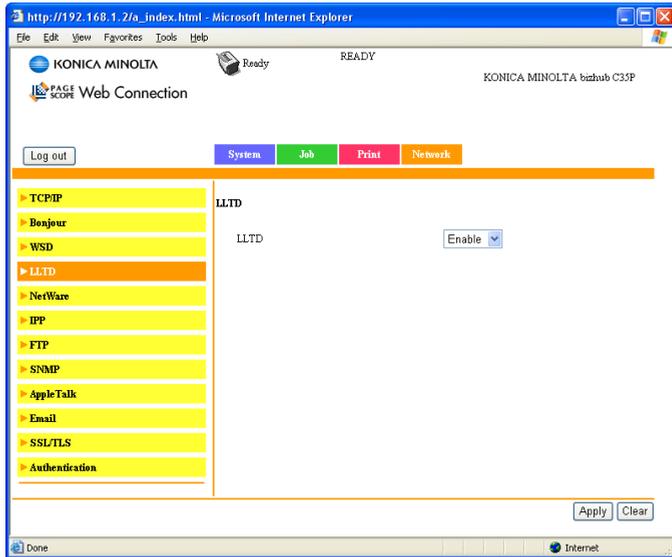


The **Network - WSD** window allows you to configure the following items:

Item	Description
WSD Print	<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 bizhub C35P(xx:xx:xx)</p> <p> Specify the settings from the <b>System - Machine Settings</b> page.</p>
Device Location	<p>Displays the Device location.</p> <p>Default: [Blank]</p> <p> Specify the settings from the <b>System - Machine Settings</b> page.</p>
Device Information	<p>Displays the Device information.</p> <p>Default: [Blank]</p> <p> Specify the settings from the <b>System - Machine Settings</b> page.</p>
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

# LLTD

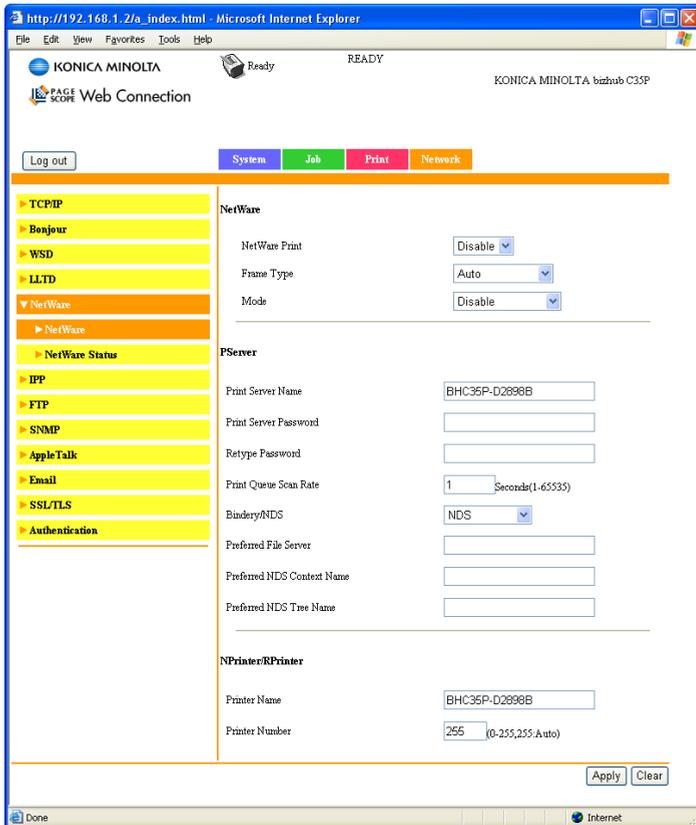


The **Network - LLTD** window allows you to configure the following items:

Item	Description
LLTD	Select whether to enable or disable the LLTD function. Choices: Enable, Disable Default: Enable
Apply button	Applies the configuration settings for this window.
Clear button	Resets all configuration settings to previous values.

# NetWare

## NetWare



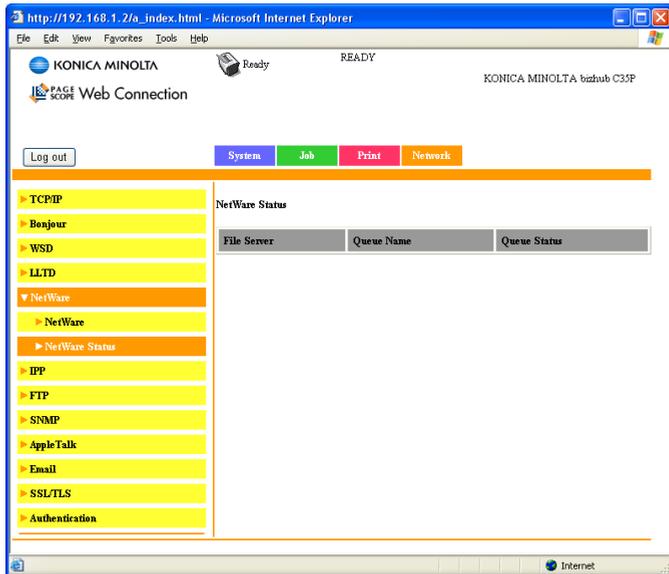
The **Network - NetWare - NetWare** window allows you to configure the following items

Item		Description
NetWare	NetWare Print	<p>Enables or Disables the NetWare print option.</p> <p>Choices: Enable, Disable                      Default: Disable</p> <p>Configuration Menu Equivalent:                      INTERFACE MENU -                      ETHERNET - NETWORK -                      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: 1 to 63 characters Default: BHC35P-xxxxxx  xxxxxx displays six last digits of the MAC address in hexadecimals.
	Print Server Password	Sets the Print Server password. Range: Up to 31 characters Default: [Blank]
	Retype Password	Verifies the new password typed in the Print Server Password text box. Range: Up to 31 characters Default: [Blank]
	Print Queue Scan Rate	Sets the number of the queue scan interval. Range: 1 - 65535 (Seconds) Default: 1
	Bindery/NDS	Specifies the bindery options. Choices: NDS, Bindery/NDS, Bindery Default: NDS
	Preferred File Server	Sets the Preferred File Server for the printer. Range: Up to 47 characters Default: [Blank]

Item		Description
	Preferred NDS Context Name	Sets the Preferred NDS Context for the printer. Range: Up to 191 characters Default: [Blank]
	Preferred NDS Tree Name	Sets the Preferred NDS Tree for the printer. Range: Up to 63 characters Default: [Blank]
NPrinter/ RPrinter	Printer Name	Sets the printer's name. Range: 1 to 63 characters Default: BHC35P-xxxxxx  <i>xxxxxx displays six last digits of the MAC address in hexadecimals.</i>
	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.

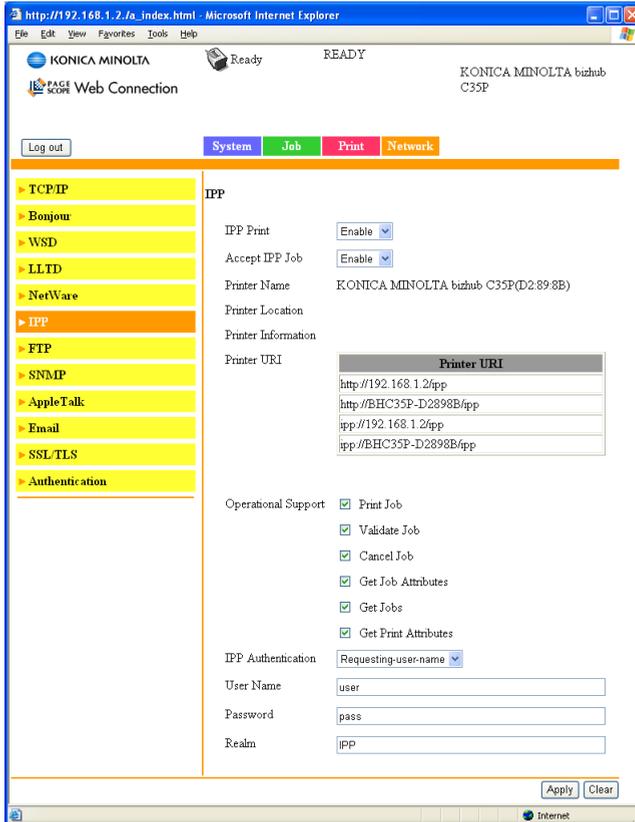
## NetWare Status



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 6 “Network Printing” In order to apply the settings, the printer must be turned off, then on again after the setting is specified.

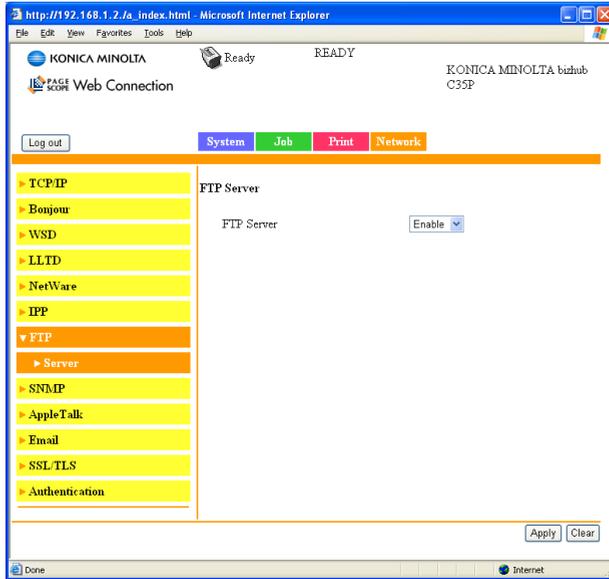
Item	Description
IPP Print	<p>Sets whether or not to use IPP.</p> <p>Choices: Enable, Disable            Default: Enable            Configuration Menu Equivalent:                INTERFACE MENU -                ETHERNET - TCP/IP -                IPP - ENABLE</p>

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 bizhub C35P(xx:xx:xx)  Specify the settings from the <b>System - Machine Settings</b> page.
Printer Location	Displays the printer's location. Default: [Blank]  Specify the settings from the <b>System - Machine Settings</b> page.
Printer Information	Displays the printer information. Default: [Blank]  Specify the settings from the <b>System - Machine Settings</b> page.
Printer URI	Displays the printer's Uniform Resource Identifier (URI). <ul style="list-style-type: none"> <li>■ http://&lt;IP_address&gt;/ipp</li> <li>■ http://FQDN:/ipp</li> <li>■ ipp://&lt;IP_address&gt;/ipp</li> <li>■ ipp://FQDN:/ipp</li> <li>■ https://&lt;IP_address&gt;/ipp</li> <li>■ https://FQDN:/ipp</li> </ul>  "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: 1 to 20 characters Default: user
	Password	Specify the password used with Basic or Digest authentication. Range: 1 to 20 characters Default: pass
	Realm	Specify the realm used with Basic or Digest authentication. Range: 1 to 127 characters Default: IPP

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

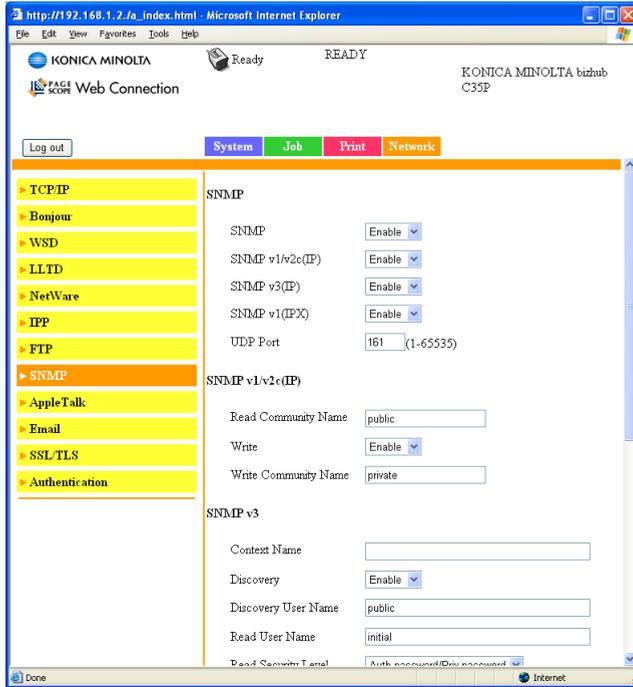
# FTP Server



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:

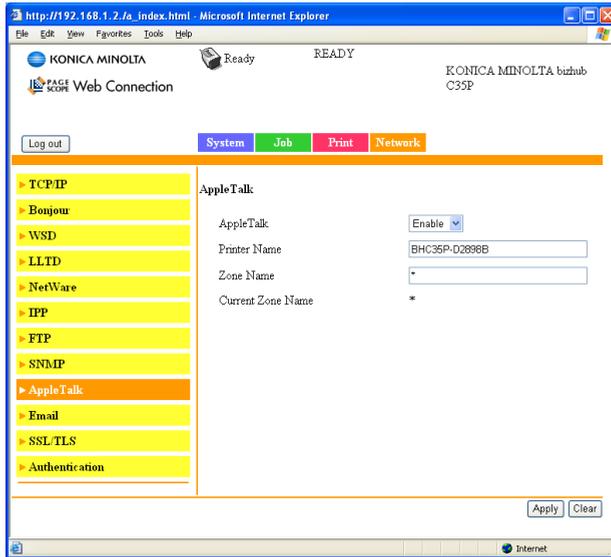
Item		Description
SNMP	SNMP	If <b>Enable</b> is selected, SNMP is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - TCP/IP - SNMP - ENABLE
	SNMP v1/v2c(IP)	If <b>Enable</b> is selected, SNMP v1/v2c(IP) is enabled. Choices: Enable, Disable Default: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

Item		Description
	SNMP v1(IPX)	If <b>Enable</b> 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: 1 to 15 characters Default: public
	Write	If <b>Enable</b> 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: 1 to 15 characters Default: private
SNMP v3	Context Name	Specifies the context name. Range: Up to 63 characters Default: [Blank]
	Discovery	If <b>Enable</b> is selected, Discovery is enabled. Choices: Enable, Disable Default: Enable
	Discovery User Name	Specifies the user name for detection. Range: 1 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: &lt;Mac address&gt;(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: &lt;Mac address&gt;(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



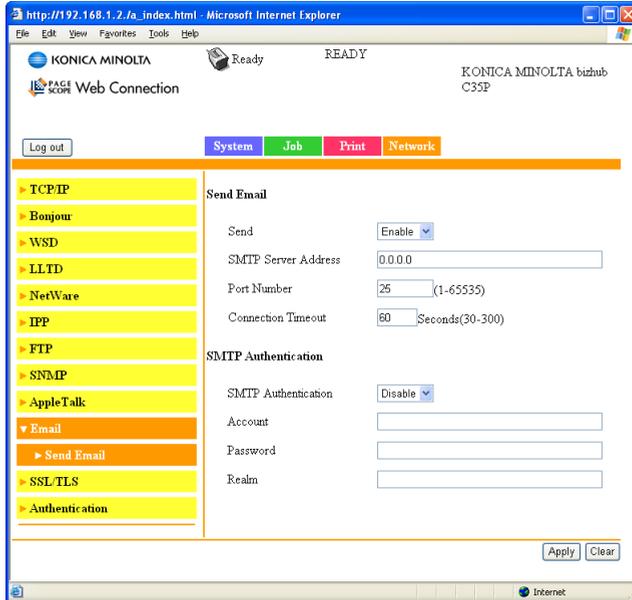
The **Network - AppleTalk** window allows you to configure the following items:

Item	Description
AppleTalk	If <b>Enable</b> is selected, AppleTalk is enabled. Choices: Enable, Disable Default: Enable Configuration Menu Equivalent: INTERFACE MENU - ETHERNET - APPLETALK - ENABLE
Printer Name	Sets the printer name. Range: 1 to 31 characters Default: BHC35P-xxxxxx  xxxxxx displays six last digits of the MAC address in hexadecimal.
Zone Name	Sets the Zone Name. Range: 1 to 31 characters Default: *
Current Zone Name	Identifies the current zone name.
Apply button	Applies the configuration settings for this window.

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

## Email

### Send Email



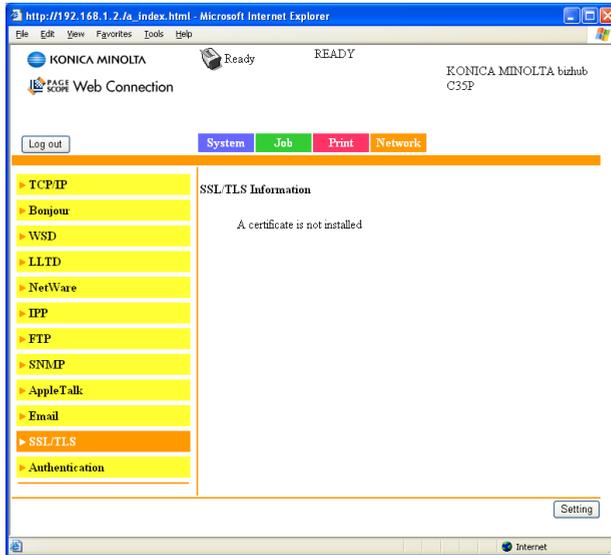
The **Network - Email - Send Email** window allows you to configure the following items:

Item	Description
Send Email	<p>Send</p> <p>If <b>Enable</b> is selected, sending Email is enabled.</p> <p>Choices: Enable, Disable</p> <p>Default: Enable</p> <p>Configuration Menu Equivalent:</p> <p style="text-align: center;">INTERFACE MENU - ETHERNET - TCP/IP - SMTP - ENABLE</p>
	<p>SMTP Server Address*</p> <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</p> <p>Default: 0.0.0.0</p>

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

## SSL/TLS

### SSL/TLS Information



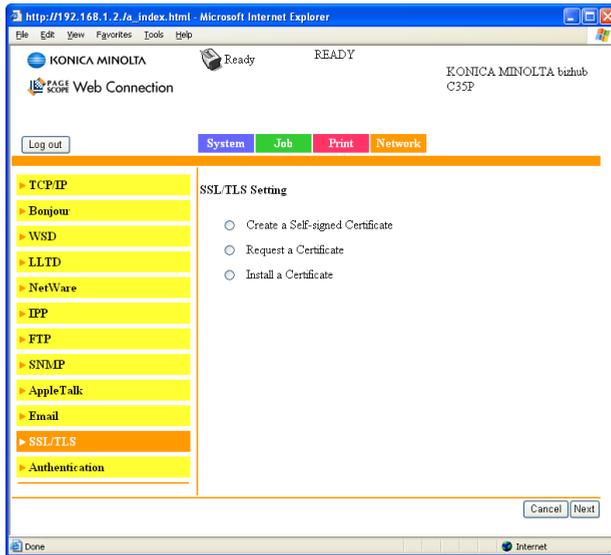
The **Network - SSL/TLS - SSL/TLS Information** page allows you to specify SSL/TLS settings.



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

Item	Description
Setting button	Displays the <b>SSL/TLS Setting</b> page.

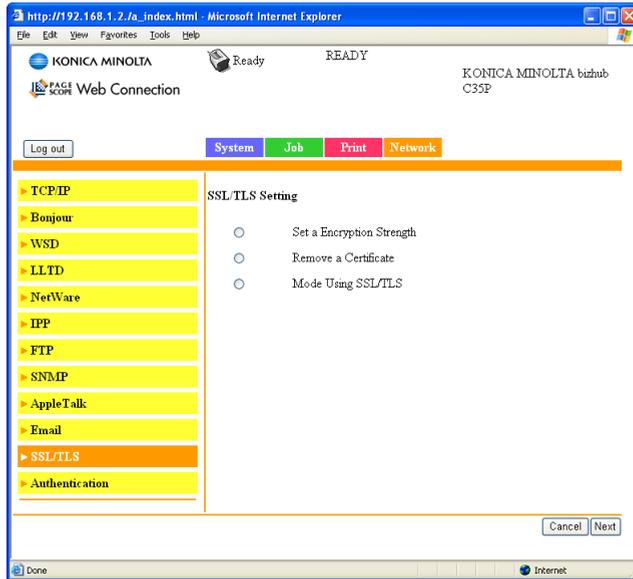
## SSL/TLS Setting (When a certificate is not installed)



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 <b>Network - SSL/TLS - SSL/TLS Information</b> page.

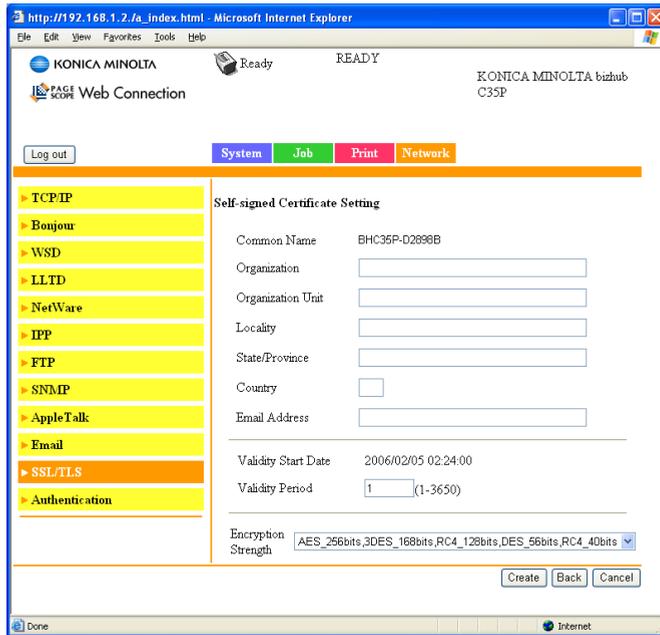
## SSL/TLS Setting (When a certificate is installed)



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

Item	Description
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 <b>Network - SSL/TLS - SSL/TLS Information</b> page.

## Self-signed Certificate Setting

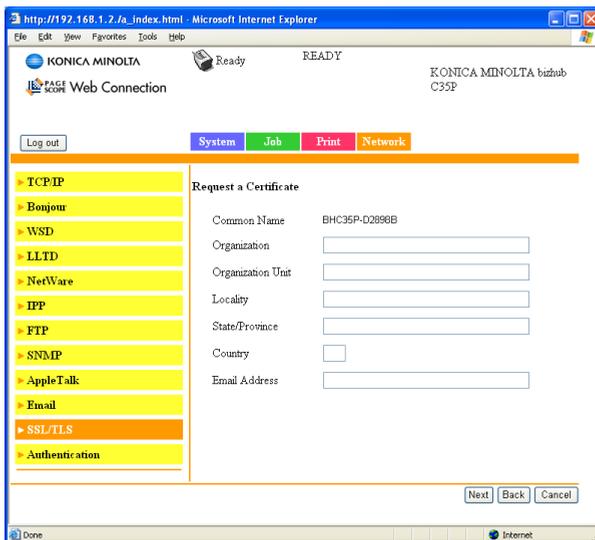


The **Network - SSL/TLS - Self-signed Certificate Setting** page allows you to create a certificate and specify SSL settings.

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: 1 to 63 characters Default: [Blank]
Organization Unit	Specify the name of the post. Range: 1 to 63 characters Default: [Blank]

Item	Description
Locality	Specify the name of the municipality. Range: 1 to 127 characters Default: [Blank]
State/Province	Specify the name of the state or province. Range: 1 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: 1 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"> <li>■ AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li>■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li>■ RC4_128bits, DES_56bits or RC4_40bits</li> </ul> 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 <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.

## Request a certificate



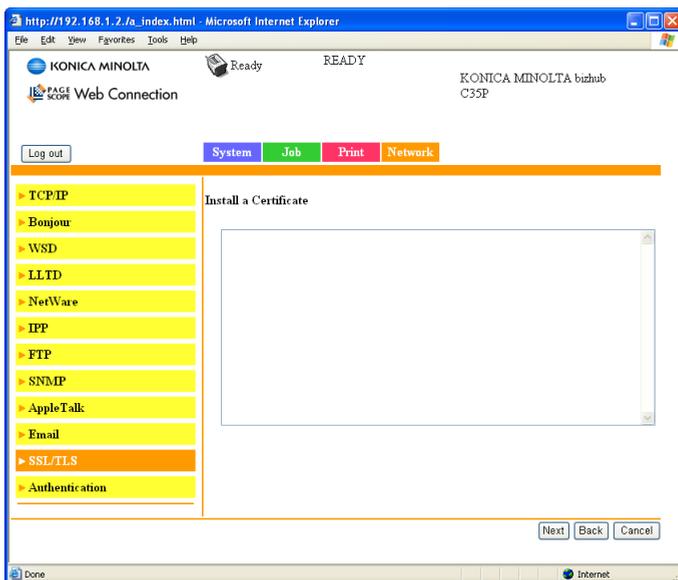
The **Network - SSL/TLS - Request a Certificate** page allows you to configure the following items:

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: 1 to 63 characters Default: [Blank]
Organization Unit	Specifies the name of the post. Range: 1 to 63 characters Default: [Blank]
Locality	Specifies the name of the municipality. Range: 1 to 127 characters Default: [Blank]

Item	Description
State/Province	Specifies the name of the state or province. Range: 1 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: 1 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 <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - SSL/TLS - SSL/TLS Information</b> page.



## Install a Certificate



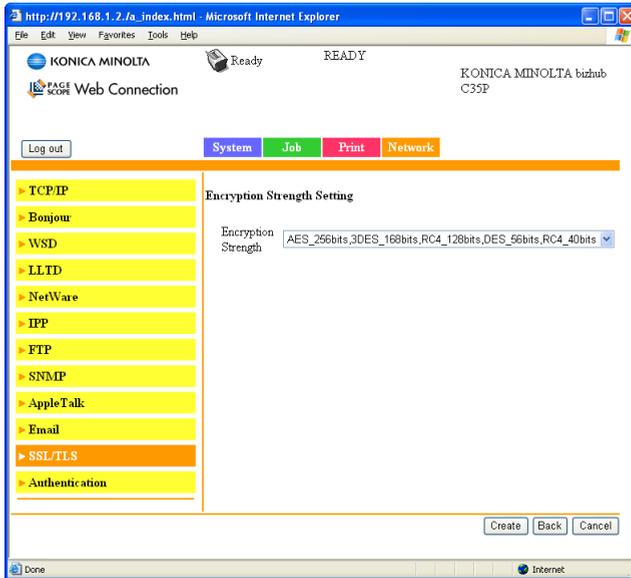
The **Network - SSL/TLS - Install a Certificate** page allows you to install the certificate issued by the certificate authority.

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

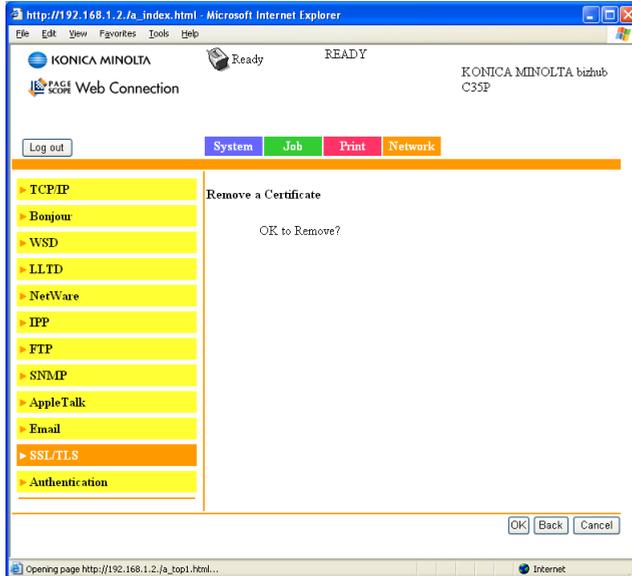
Item	Description
Encryption Strength	Specify the encryption level. Choices: <ul style="list-style-type: none"> <li>■ AES_256bits, 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li>■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</li> <li>■ RC4_128bits, DES_56bits or RC4_40bits</li> </ul>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

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

## Remove a Certificate



*This menu item appears if a certificate is installed.*



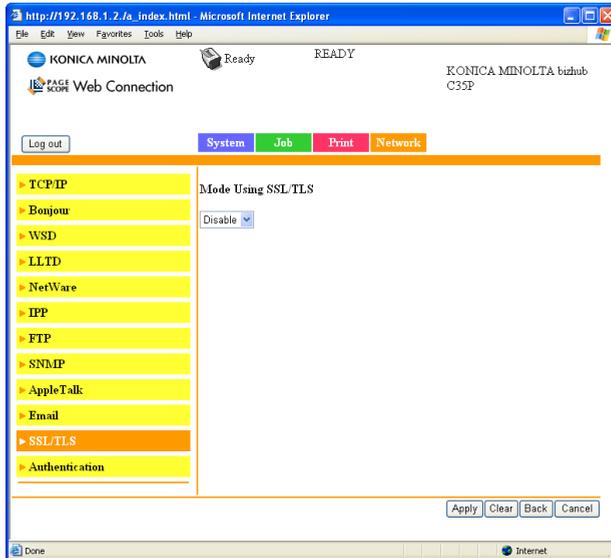
The **Network - SSL/TLS - Remove a Certificate** page allows you to delete the installed certificate.

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

## Mode Using SSL/TLS



*This menu item appears if a certificate is installed.*

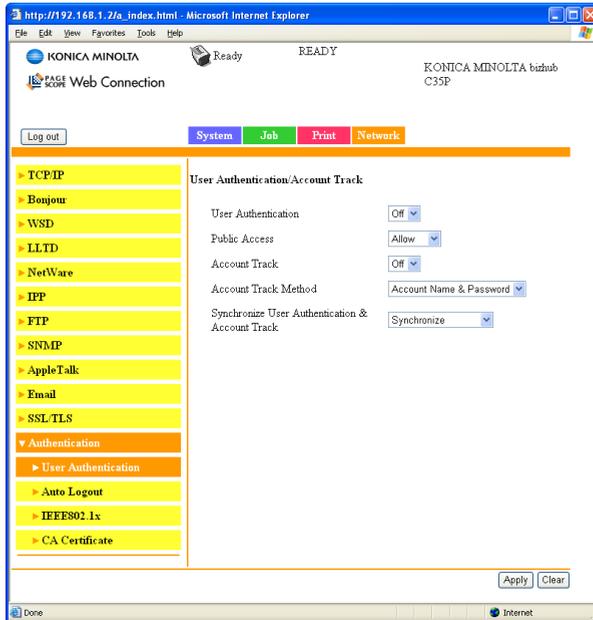


The **Network - SSL/TLS - Mode Using SSL/TLS** page allows the SSL transmission mode to be specified.

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 <b>Network - SSL/TLS - SSL/TLS Setting</b> page.
Cancel button	Click to return to the <b>Network - SSL/TLS - SSL/TLS Information</b> 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 HD-P03 or a CompactFlash card is installed.*

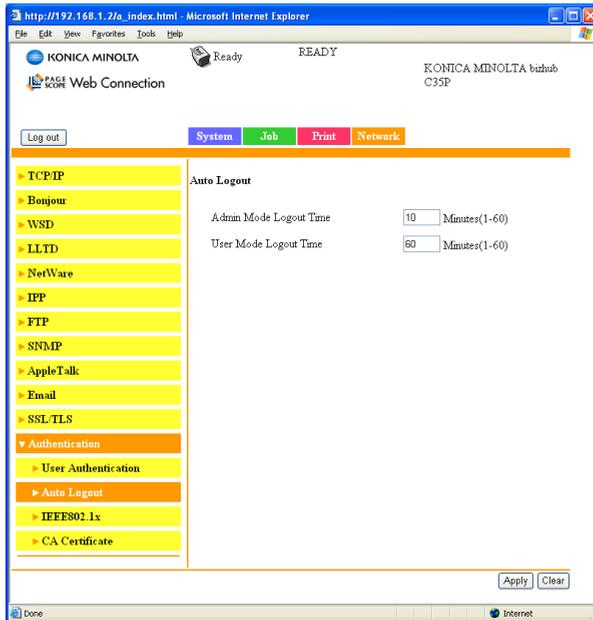


*When **User Authentication** or **Account Track** is set to **On** and **Public Access** is set to **Restrict** on this page, printing is not possible except from a host where authentication settings can be specified (Windows printer driver or PageScope Direct Print). In addition, resources (fonts, 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 &amp; Password, Password Only Default: Account Name &amp; 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.

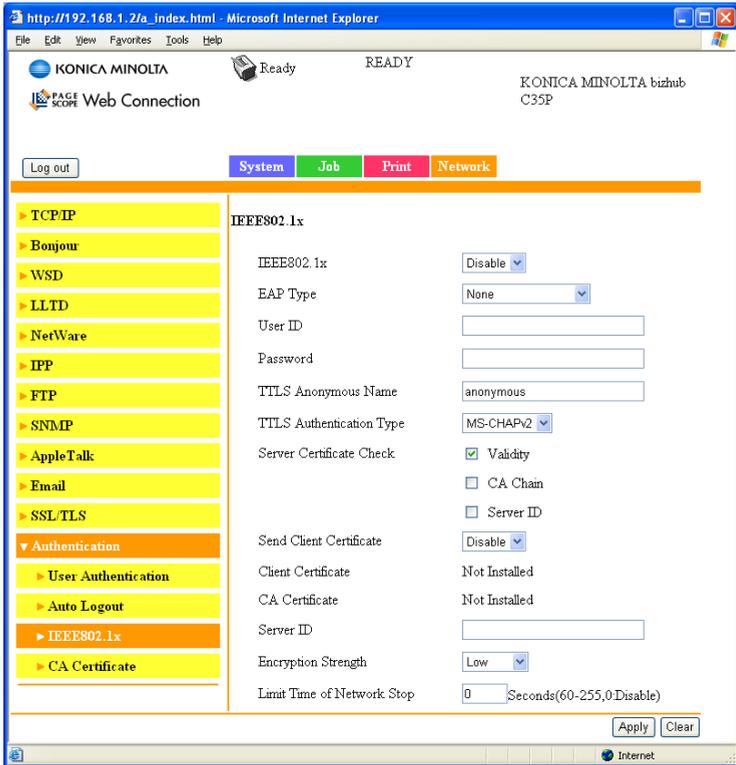
## Auto Logout



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

Item	Description
User ID	<p>Specifies the account name, when <b>EAP Type</b> is set to <b>EAP-MD5</b>, <b>EAP-TLS</b>, <b>EAP-TTLS</b>, <b>PEAP</b>, <b>LEAP</b> or <b>Server Specification</b>.</p> <p>Range: Up to 128 characters Default: [Blank]</p>
Password	<p>Specifies the password, when <b>EAP Type</b> is set to <b>EAP-MD5</b>, <b>EAP-TLS</b>, <b>EAP-TTLS</b>, <b>PEAP</b>, <b>LEAP</b> or <b>Server Specification</b>.</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 <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>Server Specification</b>.</p> <p>Range: Up to 128 characters Default: anonymous</p> <p> <i>If <b>EAP Type</b> is set to <b>Server Specification</b> while the actual authentication method is <b>EAP-MD5</b>, type in the same name as the <b>User ID</b>.</i></p>
TTLS Anonymous Type	<p>Specify the EAP-TTLS phase 2 authentication procedure. Specifies the TTLS anonymous type, when <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>Server Specification</b>.</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 <b>EAP Type</b> is set to <b>EAP-TLS</b>, <b>EAP-TTLS</b> or <b>PEAP</b>.</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 <b>EAP Type</b> is set to <b>EAP-TTLS</b> or <b>PEAP</b>.</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 <b>Network - SSL/TLS</b> 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 <b>Network - Authentication - CA Certificate</b> 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 <b>EAP Type</b> is set to <b>EAP-TLS</b>, <b>EAP-TTLS</b>, or <b>PEAP</b>.</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 <b>EAP Type</b> is set to <b>EAP-TLS</b>, <b>EAP-TTLS</b>, or <b>PEAP</b>.</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 <b>CA Certificate Setting</b> page.

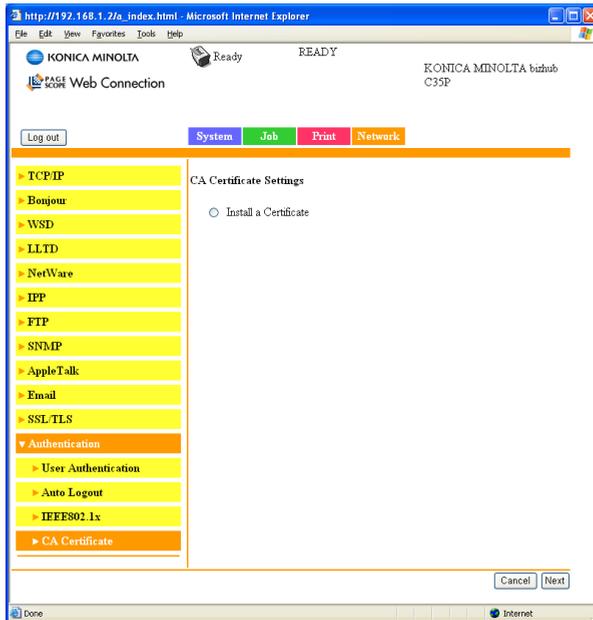
## CA Certificate Setting (When a certificate is installed)



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 <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.

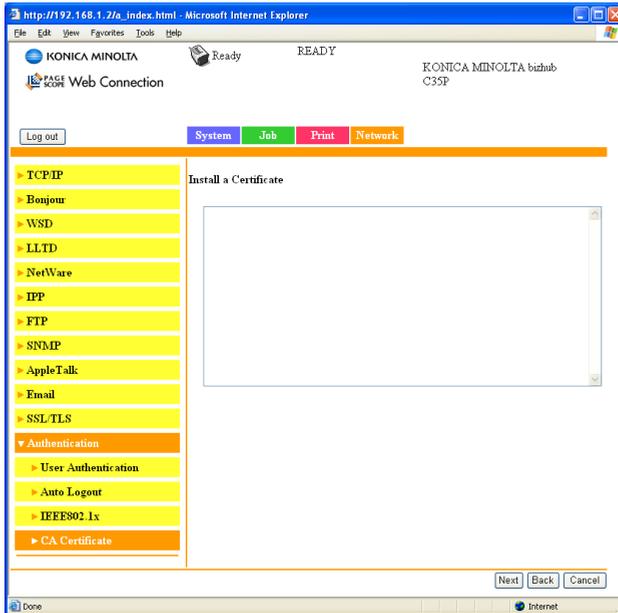
## CA Certificate Setting (When a certificate is not installed)



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 <b>Network - Authentication - CA Certificate - CA Certificate Information</b> 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 <b>Network - Authentication - CA Certificate - Install a Certificate</b> page.
Back button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Setting</b> page.
Cancel button	Click to cancel the entered data and return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> 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 <b>OK</b> in the confirmation message to delete the certificate.
Back button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Setting</b> page.
Cancel button	Click to return to the <b>Network - Authentication - CA Certificate - CA Certificate Information</b> page.



*Appendix* **A**



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