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1 Welcome

This manual describes the printing and scanning functions and operations of the printer controller for the Konica Minolta digital color copier C350.

1.1 Product Overview

The printer controller is a device used for adding printing, network printing, scanning and box functions to the C350 copier.

Available printer controller functions

- Printing from a computer (using the PCL5c printer driver)
- Support of network protocols including TCP/IP, NetBEUI, and IPX/SPX
- Direct printing over the network using Windows, LPR, or IPP printing
- Transfer and notification over the network of image data scanned with this machine
- Fax operations using the Internet (Internet fax transmission/reception)
- Forwarding image data stored in the hard disk of this machine
- Specify settings for this machine and the printer controller from a client computer over the network (using a Web browser)
- Capture images using software installed on a computer (using the TWAIN driver)

1.2 Trademarks and Copyrights

Trademarks

- KONICA MINOLTA, the KONICA MINOLTA logo, and PageScope are trademarks of KONICA MINOLTA HOLDINGS, INC.
- Ethernet is a registered trademark of Xerox Corporation.
- Microsoft, Windows and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Novell and NetWare are registered trademarks of Novell, Inc.
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- Netscape Communications, the Netscape Communications logo, Netscape Navigator, Netscape Communicator, and Netscape are trademarks of Netscape Communications Corporation.
- All other product and brand names are trademarks or registered trademarks of their respective companies or organizations.

BOX Utility

- This software is based in part on the work of the Independent JPEG Group.

Compact-VJE

Copyright 1986-2003 VACS Corp.

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Please note that the display screens used in this manual may differ from the actual screens that appear on your computer display. Also, specifications and other information contained in this manual are subject to change without notice.

2 Before Using the Controller

2.1 Operating Environment

The printer controller operates in the following environments.

Computer	IBM PC or compatible	
Operating System	Windows 98/98SE, Windows Me, Windows 2000, Windows XP, Windows NT 4.0 (SP6a or later), or Windows Server 2003	
RAM	64 MB or more	
Network Connection	Connection Method	Ethernet 10Base-T/100Base-TX
	Protocol	TCP/IP, NetBEUI, or IPX/SPX (NetWare 4.x, 5.x, and 6)
Parallel Connection	IEEE1284 (Compatible/Nibble/ECP) (Optional local interface kit is required.)	
Web Browser (when using PageScope Web Connection)	Microsoft Internet Explorer Ver.5.5 or later (JavaScript-compliant), or Netscape Communicator Ver.4.5 or later (JavaScript-compliant)	

2.2 Accessories

Printer Driver CD-ROM

The Printer Driver CD-ROM contains the following.

- Printer Driver for Windows
- Font Manager
- TWAIN Driver
- BOX Utility
- User’s Manual (this manual: PDF file)
- Latest Information (Readme.txt)



Note

The Readme.txt file contains important updated information. Be sure to read it.

To use the “Store to HDD”, “Distribution” (for printing pages with a distribution number), Scan to HDD, or Box functions, the optional hard disk must be installed on this machine. (To use the “Distribution” function, an additional 256 MB of RAM must be installed.)

3 Connecting to a Computer

In order to send print data from a computer to this machine, or to capture data scanned using this machine, it is necessary to connect this machine to the computer.

There are two ways to connect this machine to the computer. A network connection can be used to connect this machine to the computer over a network, or a parallel connection can be used to connect this machine directly to the computer.

Network connection	Use an Ethernet cable to connect this machine to a network.
Parallel connection	Use a parallel cable to connect this machine directly to the parallel port of a computer.



Note

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

3.1 Using a Network Connection

To use this machine in a network environment, use a 10Base-T/100Base-TX cable (Ethernet cable) to connect this machine to the network.



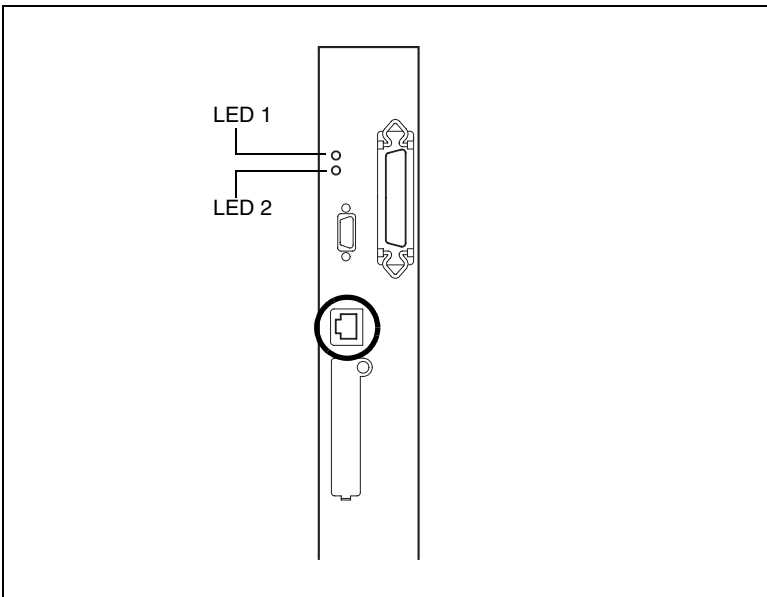
Important

Be sure to use a Category 5 or 5E cable that complies with the 10Base-T/100Base-TX standard.

Always use a 10Base-T/100Base-TX cable that is shielded. Failure to do so may result in radio frequency interference.

Connection procedure

- 1 Make sure this machine is turned off.
- 2 Connect one end of the 10Base-T/100Base-TX cable to the 10Base-T/100Base-TX port on this machine, and connect the other end of the cable to the network hub.



This machine is now connected to the network.

- 3** When this machine is turned on, LED1 will light up.
- LED1: LINK
Lights up if this machine is properly connected to the network.
 - LED2: ACT
Blinks depending on the data reception status.

3.2 Using a Parallel Connection

Use a parallel cable (IEEE 1284, Centronics) to connect the parallel port on this machine to the parallel port on the computer.

The parallel port on this machine supports IEEE 1284 Type B.



Note

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

Always use a parallel cable that is shielded. Failure to do so may result in radio frequency interference.

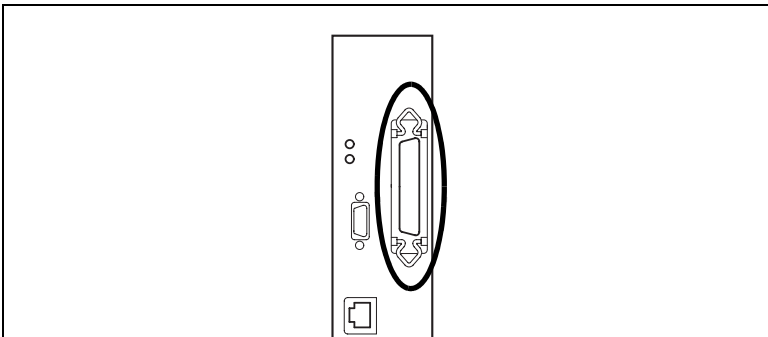


Memo

To install the printer driver using Plug and Play, use the parallel cable to connect this machine to the computer when you install the printer driver.

Connection procedure

- 1 Turn this machine and the computer off.
- 2 Connect one end of the parallel cable to the parallel port (printer port) on the computer.
- 3 Connect the other end of the parallel cable to the parallel port on the back of this machine. Use the two clips to secure the interface cable connector.



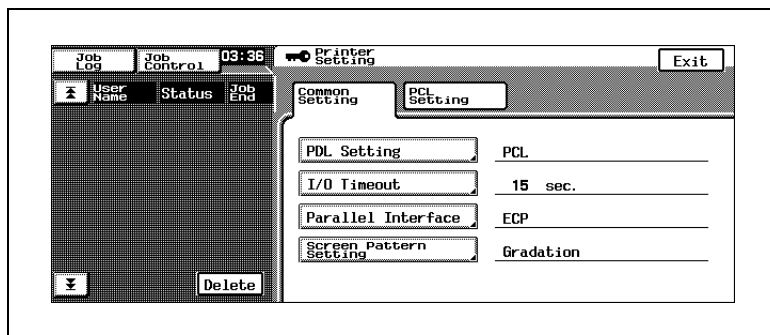
This machine is now connected to the computer.

3.2.1 Specifying the Interface Settings

If necessary, specify the parallel interface settings from this machine's control panel.

Parallel interface setting

- 1 Press the [Utility] key on this machine's control panel, touch [Admin. Mode], and then enter the administrator access code.
- 2 Touch [Printer Setting], then [Common Setting].



- 3 Specify settings for the following.
 - I/O Timeout:
Set the communication timeout. (10 to 300 seconds)
 - Parallel Interface:
Set the mode to be used with the parallel interface. ("Compatible", "Nibble", or "ECP")

4 Installing the Printer Driver

This chapter describes how to install the printer driver from the supplied CD-ROM.

The installation procedure differs depending on how this machine is connected to the computer. If this machine is connected to the computer using a parallel connection, the printer driver can be installed using Plug and Play or the Add Printer Wizard.

The installation method also differs depending on the version of Windows that you are using. Refer to the table below for the appropriate procedure for installing the printer driver on your computer.

Connection method	Refer to
Network connection	<i>"When This Machine and the Computer are Connected Using a Network Connection" on page 4-2</i> <i>"For Windows 98/Me/2000/NT 4.0" on page 4-2</i> <i>"For Windows XP/Server 2003" on page 4-5</i>



Note

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



Memo

For details on the installation procedure for parallel connection, refer to the C350 Printer Controller User's Guide.

4.1 When This Machine and the Computer are Connected Using a Network Connection

4.1.1 Installing the Printer Driver Using the Add Printer Wizard



Note

In order to perform IPP printing operations, the printer driver must be installed so that IPP printing can be set up when the printer driver is installed. For further details on IPP printing, refer to “IPP Printing (Windows 2000/XP/Server 2003)” on page 6-11.

For Windows 98/Me/2000/NT 4.0

- 1 While Windows is running, load the CD-ROM into the computer's CD-ROM drive.
- 2 In Windows, click the [Start] button, point to “Settings”, and then click “Printers”.
- 3 Double-click the “Add Printer” icon.
The Add Printer Wizard starts up.
- 4 Follow the on-screen instructions.
- 5 On the screen for selecting the printer connection, select **Local printer**.

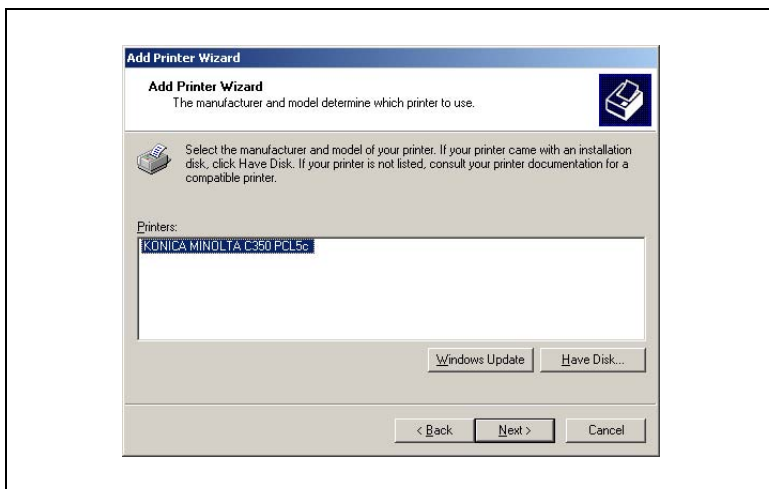


**Note**

For details on installing the printer driver in a network environment, refer to “6 Network Printing in a Windows Environment”. Because it is necessary to specify other network settings in advance when installing the printer driver using a network connection, install it using a local connection at this time.

- 6 Click the [Next] button.
- 7 Click the [Have Disk] button.
- 8 Click the [Browse] button.
- 9 Depending on the version of Windows that you are using, specify the directory on the CD-ROM that contains the printer driver, and then click the [OK] button.
 - For Windows 98: (CD-ROM)\Driver\English\Printer\Win9xME
 - For Windows Me: (CD-ROM)\Driver\English\Printer\Win9xME
 - For Windows 2000: (CD-ROM)\Driver\English\Printer\Win2KXP
 - For Windows NT 4.0: (CD-ROM)\Driver\English\Printer\WinNT40
- 10 Click the [OK] button.

The Printers list appears.



- 11 Click the [Next] button.

- 12 Specify the connection port. Select **LPT1** here.
- 13 Follow the on-screen instructions to perform the installation.

**Note**

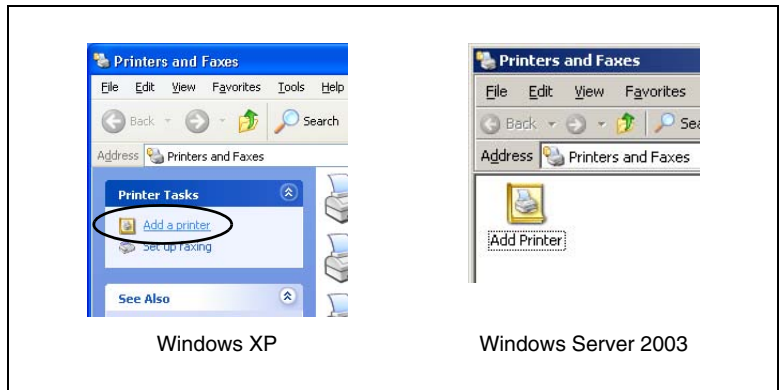
*Do not perform a test print at this point.
Perform the test print after the network settings have been specified.*

- 14 When installation is complete, make sure that the icon of the installed printer appears in the “Printers” window.
- 15 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

For Windows XP/Server 2003

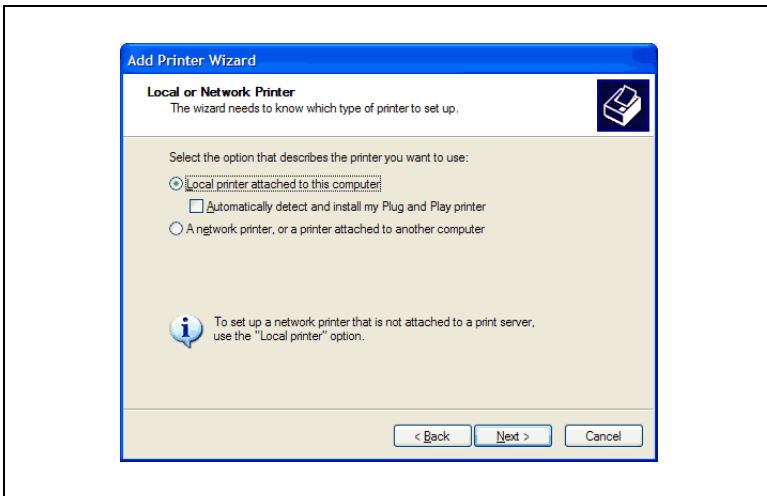
- 1 While Windows is running, load the CD-ROM into the computer's CD-ROM drive.
- 2 In Windows, click the [Start] button, and then click "Printers and Faxes".
- 3 For Windows XP, click **Add a printer** on the **Printer Tasks** menu. For Windows Server 2003, double-click the "Add Printer" icon.



The Add Printer Wizard starts up.

- 4 Click the [Next] button.

- 5 Select **Local printer attached to this computer**, and then click the [Next] button.
Clear the **Automatically detect and install my Plug and Play printer** check box.



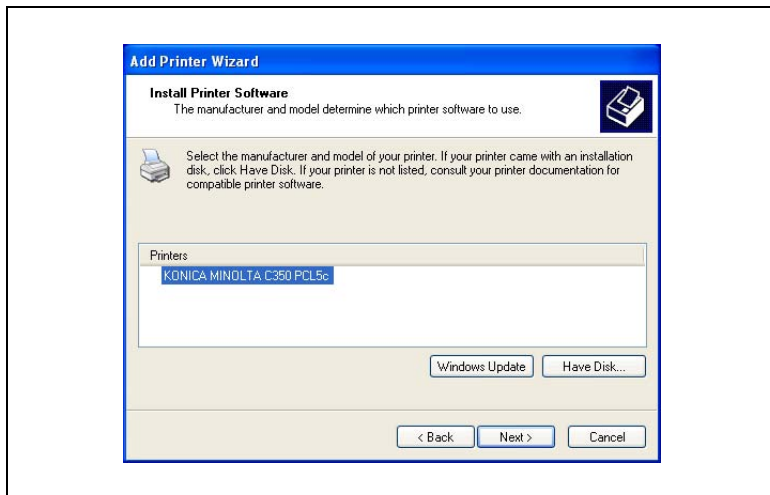
Note

For details on installing the printer driver in a network environment, refer to “6 Network Printing in a Windows Environment”. Because it is necessary to specify other network settings in advance when installing the printer driver using a network connection, install it using a local connection at this time.

- 6 The Select Printer Port dialog box appears. Select **LPT1** here, and then click the [Next] button.
- 7 Click the [Have Disk] button.
- 8 Click the [Browse] button.
- 9 Specify the directory on the CD-ROM (\Driver\English\Printer\Win2KXP) that contains the printer driver for Windows XP/Server 2003, and then click the [OK] button.

10 Click the [OK] button.

The Printers list appears.

**11** Click the [Next] button.**12** Follow the on-screen instructions to start the installation.**Note**

Perform a test print after the network settings have been specified.

13 When installation is complete, make sure that the icon of the installed printer appears in the “Printers and Faxes” window.**14** Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

4.2 Uninstalling the Printer Driver

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

Uninstalling the printer driver

- 1 For Windows 98/Me/2000/NT, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.
- 2 In the “Printers” (for Windows XP/Server 2003, “Printers and Faxes”) window, select the icon of the printer that you want to delete.
- 3 Press the [Delete] key on the computer keyboard to delete the printer driver.
- 4 Follow the on-screen instructions to perform the uninstallation.

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

This completes the uninstallation procedure.

5 Setting Up the Printer Driver

The printer driver setup dialog box can be displayed from the “Printers” (for Windows XP/Server 2003, “Printers and Faxes”) window of the Windows. Settings specified in the printer driver setup dialog box displayed using the procedure described below will be applied when printing from any application.



Memo

To specify custom settings, click “Print” in the menu of the application, and then click the [Properties] button next to the printer name in the Print dialog box. Settings specified here apply only to the current file.

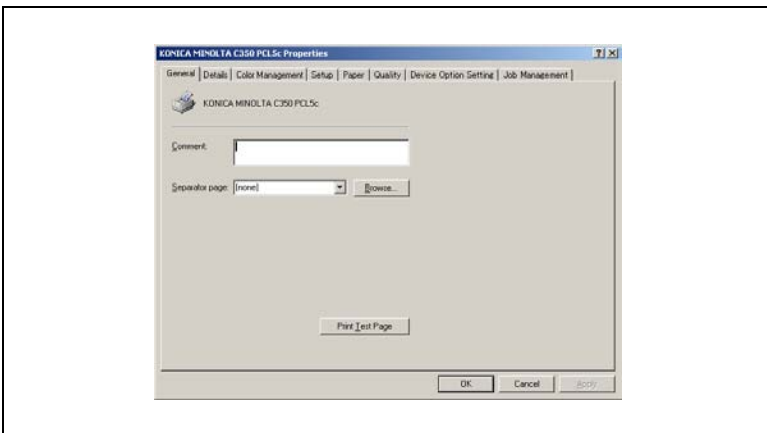
5.1 Displaying the Printer Driver Setup Dialog Box

5.1.1 Displaying the Printer Driver Setup Dialog Box in Windows 98/Me

Display procedure

- 1 In Windows, click the [Start] button, point to “Settings”, and then click “Printers”.
- 2 Select the “KONICA MINOLTA C350 PCL5c” icon.
- 3 On the “File” menu, click “Properties”.

The printer driver setup dialog box shown below appears.



Note

Use the settings on the 5 tabs at the top of the dialog box to set up the printer driver.

5.1.2 Displaying the Printer Driver Setup Dialog Box in Windows 2000/NT 4.0

Display procedure

- 1 In Windows, click the [Start] button, point to “Settings”, and then click “Printers”.
- 2 Select the “KONICA MINOLTA C350 PCL5c” icon.
- 3 To display the “Device Option Setting” tab, click “Properties” on the “File” menu.
- 4 To display the “Setup”, “Paper”, “Quality”, or “Job Management” tab, perform the following procedures after selecting the icon in step 2.
 - For Windows 2000: On the “File” menu, click “Printing Preferences”.
 - For Windows NT 4.0: On the “File” menu, click “Document Defaults”.

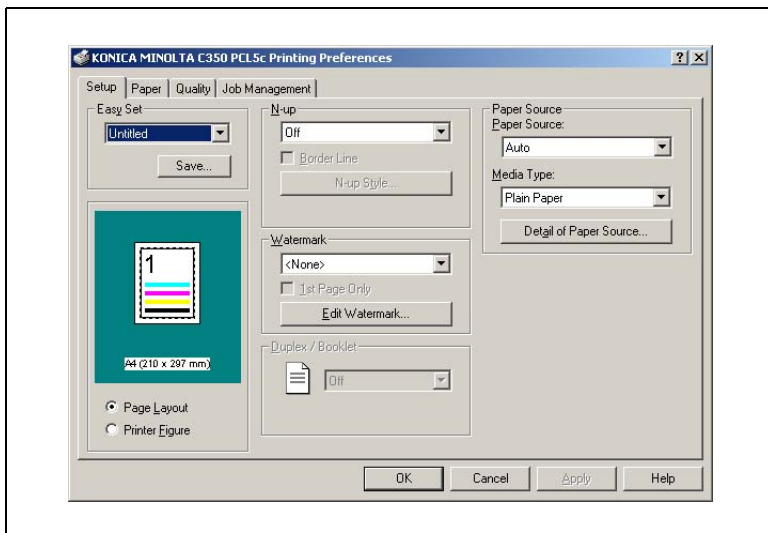
5.1.3 Displaying the Printer Driver Setup Dialog Box in Windows XP/Server 2003

Display procedure

- 1 In Windows, click the [Start] button, and then click “Printers and Faxes”.
- 2 Select the “KONICA MINOLTA C350 PCL5c” icon.
- 3 To display the “Device Option Setting” tab, click “Properties” on the “File” menu.
- 4 To display the “Setup”, “Paper”, “Quality”, or “Job Management” tab, click “Printing Preferences” on the “File” menu after selecting the icon in step 2.

5.2 Common Controls

The following describes the common settings and buttons that are displayed on all five tabs (“Setup”, “Paper”, “Quality”, “Device Option Setting”, and “Job Management”).



OK

Click this button to close the printer driver setup dialog box and apply any settings that have been changed.

Cancel

Click this button to cancel any settings that have been changed and close the dialog box.

Apply

Click this button to apply any settings that have been changed without closing the printer driver setup dialog box.

Help

Click this button to display the help for each item on the currently displayed screen.

Easy Set

The current settings on each tab can be saved as a set and retrieved when you want to use them again.

To save the current settings, click the [Save] button. The Save Easy Set Name dialog box appears. Enter the name of the set (10 characters or less), and then click the [OK] button.

After the settings have been saved as a set, they can be retrieved by selecting the appropriate set name from the drop-down list.

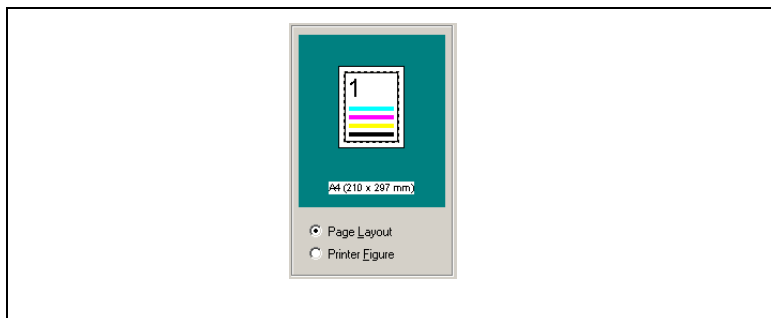
Select “Default” from the drop-down list to restore the tab’s default settings.

When an existing set of settings is selected from the drop-down list, the button changes to the [Delete] button. Click the [Delete] button to delete the currently selected set.

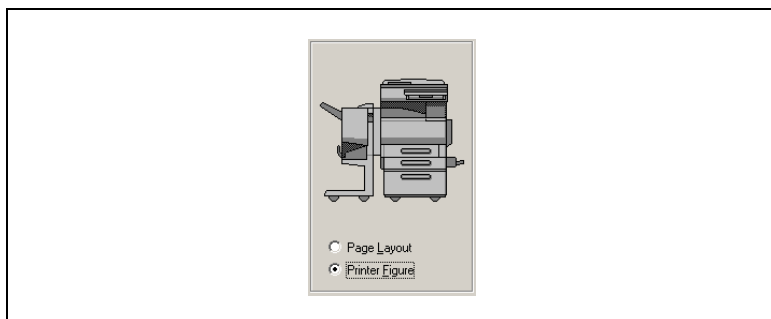
Page Layout/Printer Figure

When **Page Layout** is selected, a preview of the page layout as specified in the current printer driver settings is displayed, and a preview image can be checked before actual printing is performed.

When any setting is changed, the page layout preview also changes.



When **Printer Figure** is selected, a printer figure is displayed showing any options, such as the paper drawer, that are installed on this machine.



5.3 Settings

5.3.1 Setup Tab

Item	Description
N-up	Prints multiple pages on one page.
Watermark	Prints a watermark on the pages. The watermark text can be changed or edited.
Duplex/Booklet	Selects the duplex or booklet printing setting.
Paper Source	Specifies the paper source and the type of paper. The paper source for the front cover, the back cover or for OHP interleaving can also be specified. Select a paper type specified with this machine.
Output Setting	Specifies an output setting such as stapling, hole punching, or folding.

5.3.2 Paper Tab

Item	Description
Original Document Size	Specifies the size of the original document. Custom paper sizes can also be specified.
Output Paper Size	Specifies the output paper size. An enlargement or reduction ratio can also be specified.
Copies	Specifies the number of copies to be made.
Collate	Specifies that the pages be output in sets.
Orientation	Specifies the printing orientation.

5.3.3 Quality Tab

Item	Description
Select Color or Grayscale	Selects the color mode. If "Color (Manual)" is selected, clicking the [Detail of Color Settings] button displays the Detail of Color Settings dialog box, where detailed color settings can be specified.
Exposure Modes	Selects the color matching mode. Text: Text mode, Photo: Photo mode
Use Printer Font	Sets whether to use the printer font.
Resolution	Specifies the print resolution (600 × 600 dpi fixed).
Download as Bitmap	Selects whether the font is downloaded as a bitmap or program (vector font).
Glossy Mode	Sets the glossy mode.

5.3.4 Device Option Setting Tab

Item	Description
Device Option	Specifies the options installed on this machine.
Job Owner (Default User Name)	Selects the default user name that is shown as the job user name on the control panel of this machine.
Access Number (Default Access Number)	Sets the default for the access number (password).
About	Enables the version of the printer driver to be viewed.

5.3.5 Job Management Tab

Item	Description
Store Job	Specifies the job storage method. • Delete After Printing: Deletes the job after it is printed. • Print and Hold: Stores the job temporarily after it is printed. • Store to HDD: Stores the job on the hard disk until it is deleted from this machine. • Store to Memory: Stores the job in memory until it is deleted from this machine. • Proof and Print: Prints only the first set of the job, and stores the rest in the memory. • Lock Job: Locks the job and specifies a password.
Job Owner	Specifies the job user name and job name.
Distribution	Prints a distribution number in the background.
Access Code	Specifies the assigned access number (password) when the Copy Track mode is set from this machine.



Memo

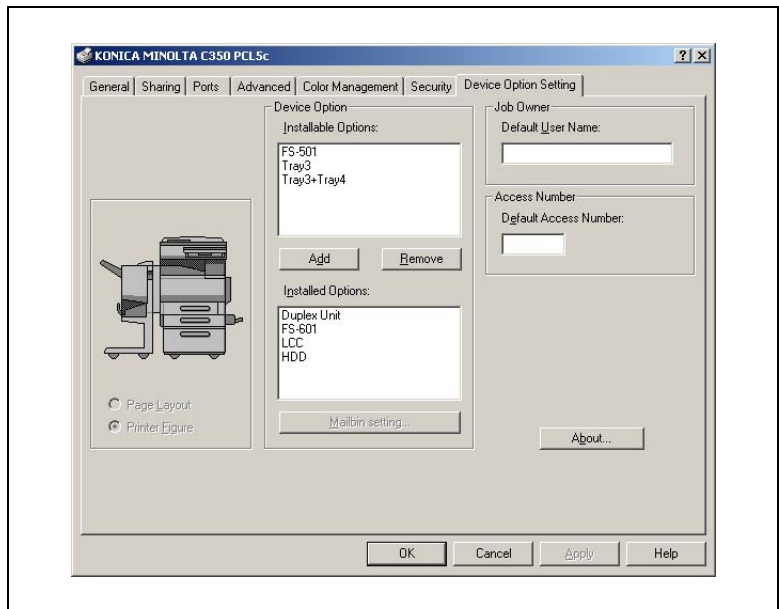
For details on the printer driver settings, refer to the C350 Printer Controller User's Guide.

5.4 Setting Device Options

You can enable options installed on this machine from the printer driver.

Setting procedure

- 1 Display the printer driver setup dialog box (refer to *“Displaying the Printer Driver Setup Dialog Box”* on page 5-2), and then click the “Device Option Setting” tab.
- 2 From the **Installable Options** list, select the device that you want to install, and then click the [Add] button.



Check that the device the you selected is displayed in the **Installed Options** list.



Note

If options installed on this machine are not set up in the “Device Option Setting” tab, you will not be able to use them from the printer driver. After an option is installed on this machine, be sure to set it up in the “Device Option Setting” tab.

6 Network Printing in a Windows Environment

6.1 Network Connection Methods That Can Be Selected in Each Windows OS

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

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

Network Printing from a Windows OS

	Windows Printing	LPR Printing	IPP Printing
Protocol Used	NetBEUI	TCP/IP	TCP/IP
Windows 98/98SE	x		
Windows Me	x		
Windows 2000	x	x	x
Windows XP	x	x	x
Windows NT 4.0	x	x	
Windows Server 2003	x	x	x



Note

To perform Windows printing, the NetBEUI protocol must be installed on your computer.

Before setting up network printing, refer to the procedure described in “4 Installing the Printer Driver” and install the printer driver.

To perform network printing, change the printer port for the installed printer driver to one for a network connection, and then change the settings on this machine as necessary.

For an IPP connection, it is necessary to start with the step for installing the printer driver.

Network Printing in a NetWare Environment

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



Memo

For the print procedures on NetWare, refer to the C350 Printer Controller User's Guide.

6.2 Setting the IP Address for This Machine

First, use this machine's control panel to assign an IP address to this machine.

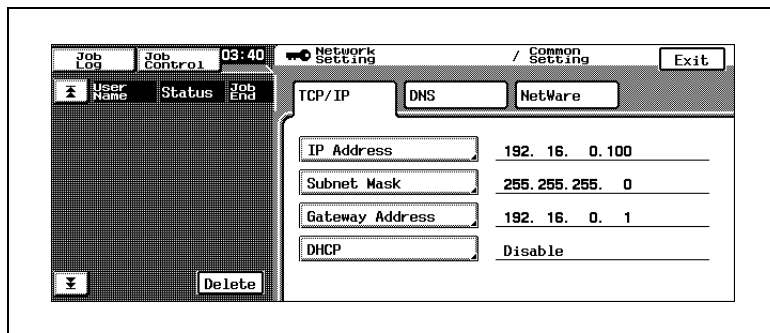


Note

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

Setting procedure

- 1 Press the [Utility] key on this machine's control panel, touch [Admin. Mode], and then enter the administrator access code.
- 2 Touch [Network Setting], [Common Setting], then [TCP/IP].



- 3 Specify settings for the following.
 - IP Address:
Set the IP address of this machine.
 - Subnet Mask:
Set the subnet mask for the network to which you are connecting.
 - Gateway Address:
Set the default gateway address for the network to which you are connecting.



Note

Although the IP address is entered without using the DHCP server in the procedure described here, it is also possible to automatically assign the IP address from the DHCP server. When "DHCP" is set to "Enable", the IP address, subnet mask, and gateway address settings are automatically assigned from the DHCP server on the

network, so it is not necessary to assign them manually. However, note the following when setting “DHCP” to “Enable”:

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

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

- 4 To apply the settings, restart this machine (turn it off, then on again).
Turn this machine back on to enable the IP address.

6.3 Accessing PageScope Web Connection

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

Use your Web browser to directly access PageScope Web Connection.

Access procedure

- 1 Start up the Web browser.
- 2 In the URL field, enter the IP address for this machine as shown below, and then press the [Enter] key.
 - `http://<IP_address_for_the_copier>/`
Example: If the IP address for this machine is 192.168.0.10
`http://192.168.0.10/`

The initial page of PageScope Web Connection appears.

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

6.4 Windows Printing

You can use Windows printing to print directly over the Microsoft network.



Note

To perform Windows printing, the NetBEUI protocol must be installed on your computer.

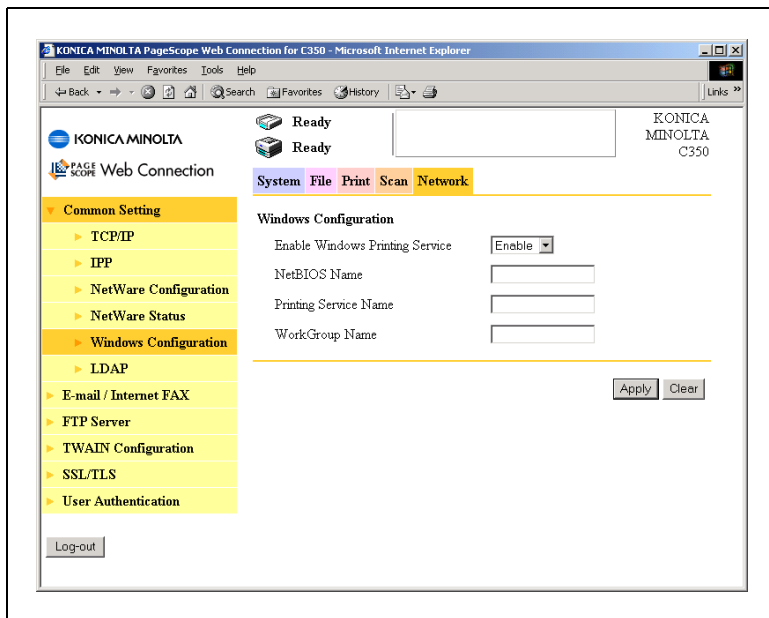
6.4.1 Operations on This Machine

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

Specify the settings described below for Windows printing in PageScope Web Connection.

Setting procedure

- 1 Start up PageScope Web Connection.
- 2 Enter the administrator access code, and log in to Administrator mode.
- 3 On the “Network” tab, click **Common Setting**, and then click **Windows Configuration** in the sub-menu that appeared.



- 4 Specify settings for the following.
 - Enable Windows Printing Service:
Set whether to use the Windows printing service. Select “Enable” here.
 - NetBIOS Name:
Specify the NetBIOS name (up to 15 alphanumeric characters).
 - Printing Service Name:
Specify the printing service name (up to 13 alphanumeric characters).
 - WorkGroup Name:
Specify the work group name (up to 15 alphanumeric characters).
- 5 To apply the settings, restart this machine (turn it off, then on again).

6.4.2 Printer Driver Settings

For Windows 98/Me

- 1 Click the [Start] button, point to “Settings”, and then click “Printers”.
- 2 Right-click the icon for the installed printer, and then click “Properties”.
- 3 On the “Details” tab, click the [Add Port] button.
- 4 Select **Network**, and then click the [Browse] button. In the network configuration window that appeared, select the appropriate printer icon.

For Windows 2000/XP/NT 4.0/Server 2003

- 1 For Windows 2000/NT 4.0, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.
- 2 Right-click the icon of the installed printer, and then click “Properties”.
- 3 Click the [Add Port] button on the “Ports” tab, double-click “Local Port” or select “Local Port” and click the [New Port] button, and then enter \\NetBIOS name\Printing Service name.



Note

Enter the same NetBIOS name and printing service name that you entered in PageScope Web Connection (refer to “Operations on This Machine” on page 6-6).

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

6.5 LPR Printing (Windows 2000/XP/NT 4.0/Server 2003)

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

6.5.1 Operations on This Machine

Specify the IP address for this machine. For the setting procedure, refer to *“Setting the IP Address for This Machine” on page 6-3*.

6.5.2 Printer Driver Settings

For Windows 2000/XP/Server 2003

- 1 For Windows 2000, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.
- 2 Right-click the icon of the installed printer, and then click “Properties”.
- 3 On the “Ports” tab, click the [Add Port] button.
- 4 In the **Available Printer Ports** list, select **Standard TCP/IP Port**, and then click the [New Port] button.
- 5 When the Add Standard TCP/IP Printer Port Wizard starts up, click the [Next] button.
- 6 In the **Name of printer or IP address** box, enter the IP address for this machine, and then click the [Next] button.
- 7 Select **Custom**, and then click the [Settings] button.
- 8 Select **LPR**, enter “Print” in the **Queue Name** box, and then click the [OK] button.
- 9 Click the [Next] button, and then click the [Finish] button to apply the setting.

For Windows NT 4.0

- 1 Click the [Start] button, point to “Settings”, and then click “Printers”.
- 2 Right-click the icon of the installed printer, and then click “Properties”.
- 3 On the “Ports” tab, click the [Add Port] button.
- 4 In the **Available Printer Ports** list, select **LPR Port**, and then click the [New Ports] button.

**Note**

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

- 5 In the **Name or address of server providing lpd** box on the Add LPR Compatible Printer dialog box, enter the IP address for this machine.
- 6 In the **Name of printer or print queue on that server** box, enter “Print”.
- 7 Click the [OK] button to apply the setting.

6.6 IPP Printing (Windows 2000/XP/Server 2003)

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

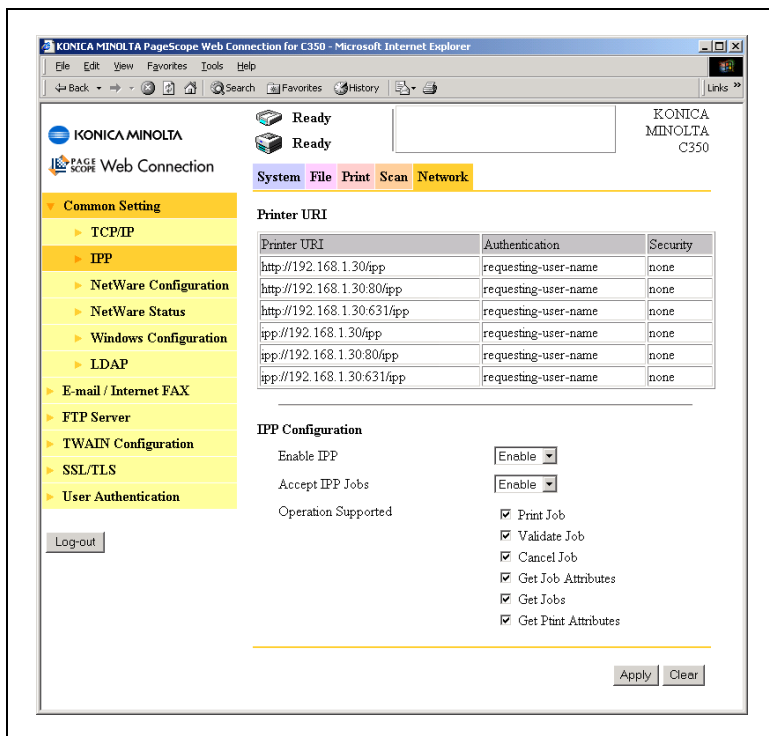
6.6.1 Operations on This Machine

Specify the IP address for this machine. For the setting procedure, refer to *“Setting the IP Address for This Machine” on page 6-3.*

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

Setting procedure

- 1 Start up PageScope Web Connection.
- 2 Enter the administrator access code, and log in to Administrator mode.
- 3 On the “Network” tab, click **Common Setting**, and then click **IPP** in the sub-menu that appeared.



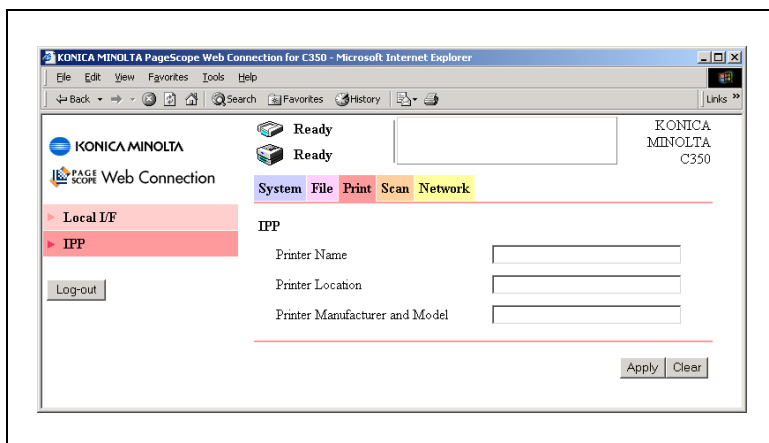
4 Specify settings for the following.

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

Then, on the “Print” tab of PageScope Web Connection, specify the settings for IPP printing.

Setting procedure

1 In Administrator mode, click **IPP** in the menu on the “Print” tab.



2 Specify settings for the following.

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

6.6.2 Installing the Printer Driver

For IPP printing, reinstall the printer driver.

Installation procedure

- 1 Load the supplied CD-ROM into the computer's CD-ROM drive.
- 2 For Windows 2000, click the [Start] button, point to "Settings", and then click "Printers".
For Windows XP/Server 2003, click the [Start] button, and then click "Printers and Faxes".
- 3 For Windows 2000/Server 2003, double-click "Add Printer".
For Windows XP, click **Add a printer** on the **Printer Tasks** menu.
The Add Printer Wizard starts up.
- 4 Click the [Next] button.
- 5 In the Local or Network Printer dialog box, select **Network printer**, and then click the [Next] button.
- 6 In the Locate Your Printer dialog box, select **Connect to a printer on the Internet or on your intranet**.
- 7 In the **URL** field, enter the URL for this machine in the following format, and then click the [Next] button.
 - `http://<IP_address_for_the_copier>/ipp`
Example: If the IP address for this machine is 192.168.0.10
`http://192.168.0.10/ipp`
- 8 When the confirmation dialog box appears, click the [OK] button.
- 9 Click the [Have Disk] button.
- 10 Click the [Browse] button, specify the directory on the CD-ROM that contains the printer driver (\Driver\English\Printer\Win2KXP), and then click the [OK] button.
- 11 Check that "KONICA MINOLTA C350 PCL5c" is displayed in the **Printers** list, and then click the [Next] button.
- 12 Select whether to set the printer as the default printer, and then click the [Next] button.

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

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

7 Using the Scan Functions

This chapter describes the setup and operating procedures of the scan functions.

This machine's control panel or PageScope Web Connection is used to set up the scan functions. For details on the startup procedure of PageScope Web Connection and the procedure for logging in to Administrator mode, refer to "10 Using PageScope Web Connection".

The following types of scan functions are available on this machine. Use the appropriate type that matches your network environment and application.

Scan to E-mail	Sends scanned data as an attachment to an e-mail.
Scan to FTP Server	Sends scanned data to an FTP server.
Scan to PC	Sends scanned data to a computer using FTP.
Scan to HDD	Sends scanned data to the optional hard disk.
Internet FAX	Attaches the scanned data to an e-mail and sends it to a device that supports Internet faxing. In addition, received image data can be printed.



Memo

For the setup and operating procedures in each Scan Mode, refer to the C350 Printer Controller User's Guide.

7.1 Environment Required for the Scan Functions

The following environment is required to send image data (send and receive for Internet faxing) using the scan functions.



Note

All scan functions can only be used under a TCP/IP network environment.

	Environment Required to Send Image Data	Environment Required to Receive Image Data	Other Limitations
Scan to E-mail	Mail server (on the network)	Mail client computer	A maximum file size may be specified on the mail server.
Scan to FTP server	FTP server (on the network)	FTP client computer	
Scan to PC	FTP server application (on the receiving computer)	Client computer	
Scan to HDD	Optional hard disk (installed into this machine)	Web browser or BOX Utility	
Scan to Internet FAX	Mail server (on the network)		The destination must have a device that can receive Internet faxes. A maximum file size may be specified on the mail server.
Internet FAX reception		Mail server	

7.2 Supported File Formats

You can select TIFF, PDF, or JPEG for the scan data file format.

The transmission file is created according to the specified file format. One of the extensions below is attached to the file name according to the specified file format.

.pdf for the PDF format, .jpg for the JPEG format, or .tif for the TIFF format



...

Note

Depending on the specified Color Mode setting, some file formats cannot be selected.

	PDF	TIFF	JPEG
Full Color	O	×	O
Gray Scale	O	×	O
Black	O	O	×



...

Note

The file format cannot be selected with the Scan to Internet FAX operation. With this operation, the data is sent in the TIFF format ("Black" Color Mode setting, 200 × 200 dpi).

If multiple pages of a document are scanned when the JPEG format is selected, data is sent one page at a time.

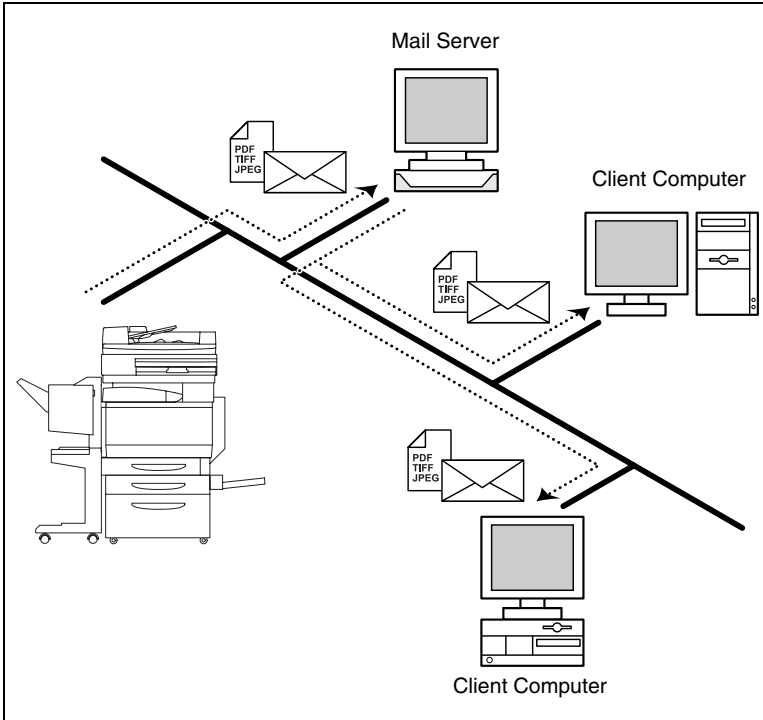
Example: If 10 pages are scanned, 10 JPEG files are sent.

7.3 Scan to E-mail

Sends the image data scanned on this machine as an attached file to an e-mail address.

Suitable for sending low-resolution data.

Requires a network environment with a mail server.



7.4 Scan to FTP Server

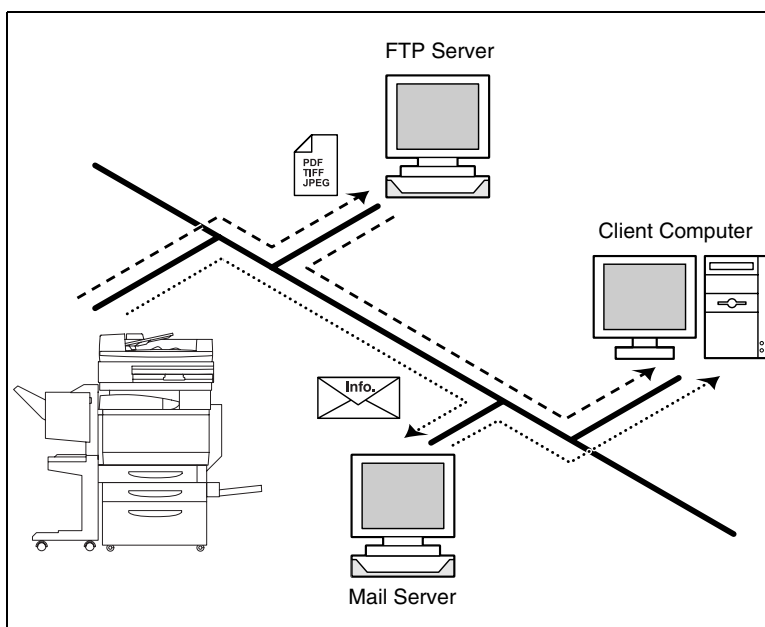
Sends the image data scanned on this machine to a specified folder on the FTP server.

Suitable for sending high-resolution data.

Requires a network environment with an FTP server.

Allows you to select whether to use the e-mail notification function, which sends an e-mail message containing information indicating the storage location of the image data. (A mail server is required for using the e-mail notification function.)

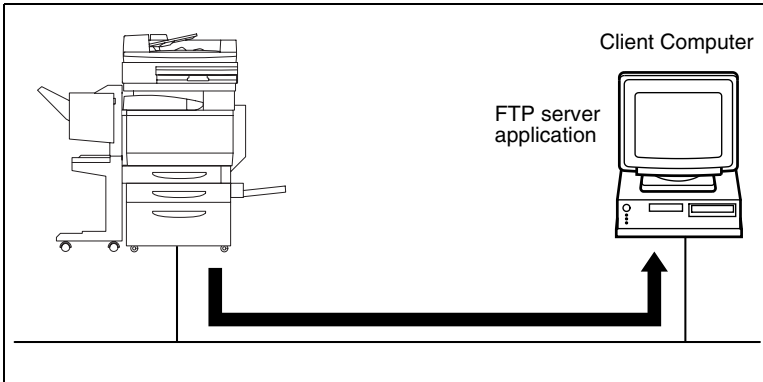
Possible to access FTP servers on the Internet via a proxy server. (In such case, a proxy server is required.)



7.5 Scan to PC

Sends the image data scanned on this machine directly to a computer using FTP.

Requires an FTP server application on the computer and the application must be running when receiving the image data.



7.6 Scan to HDD

Sends the image data scanned on this machine to a specified folder (box) on the hard disk installed in this machine.

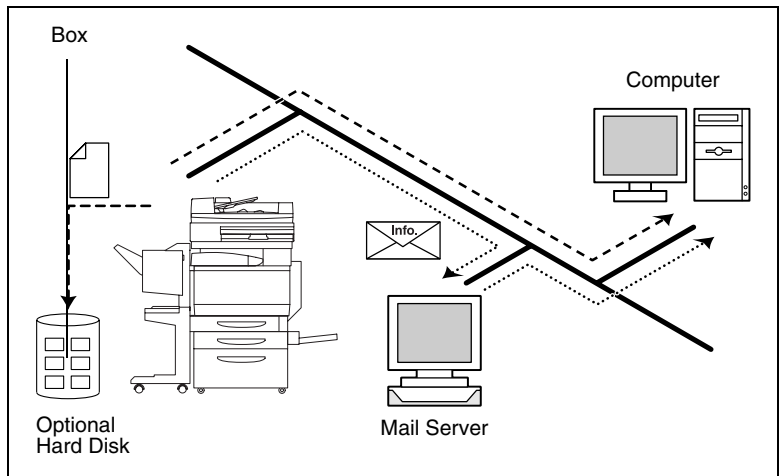
Suitable for sending high-resolution data.

Allows you to select whether to use the e-mail notification function, which sends an e-mail message containing information indicating the storage location of the image data. (A mail server is required for using the e-mail notification function.)



Note

To use this scan function, an optional hard disk must be installed in this machine.



7.7 Scan to Internet FAX

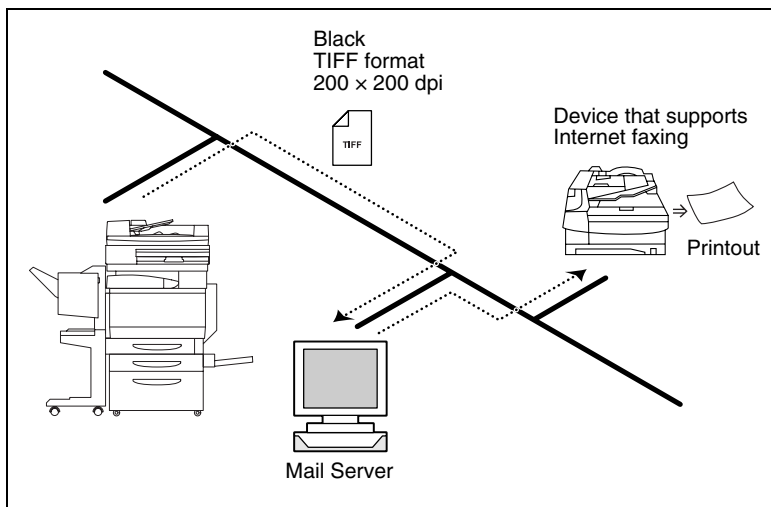
Attaches the image data scanned on this machine to an e-mail and sends it to a device that supports Internet faxing.

The image data is sent with the “Black” Color Mode setting in the TIFF format at 200 × 200 dpi.



Memo

Before sending document data using Internet faxing, check in advance whether the receiving side is capable of receiving Internet faxes.

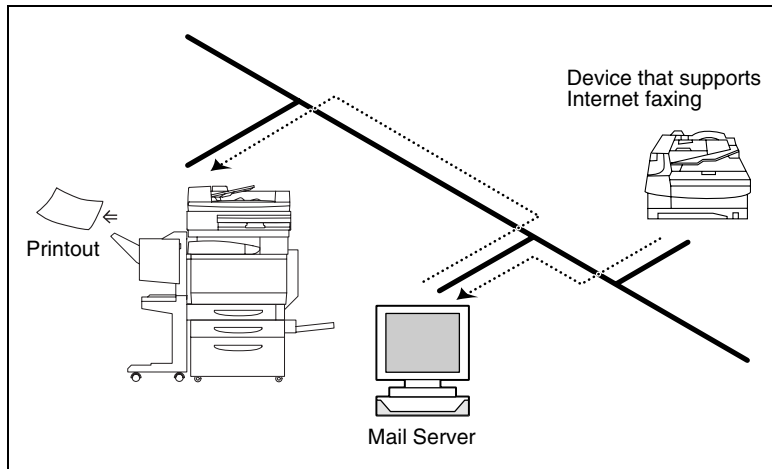


7.8 Internet FAX Reception

Receives e-mails sent from a device that supports Internet faxing and prints out the data.

The following image data can be received.

- “Black” Color Mode setting, TIFF format, 200 × 200 dpi/200 × 100 dpi



8 Scanning Images Using TWAIN (PC Scanning Function)

TWAIN is an interface used to import images scanned on a certain device onto different computer platforms. Here, TWAIN refers to controlling this machine’s scanner and importing the scanned data into the application. To use TWAIN, a TWAIN driver must be installed on the computer and TWAIN configuration is required in this machine. This function is available only when it is used over a network.

8.1 Operating Environment

The TWAIN driver operates in the following environments.

Computer	IBM PC or compatible
Operating System	Windows 98/98SE, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 (SP6a or later)

8.2 Installing the TWAIN Driver

Installation

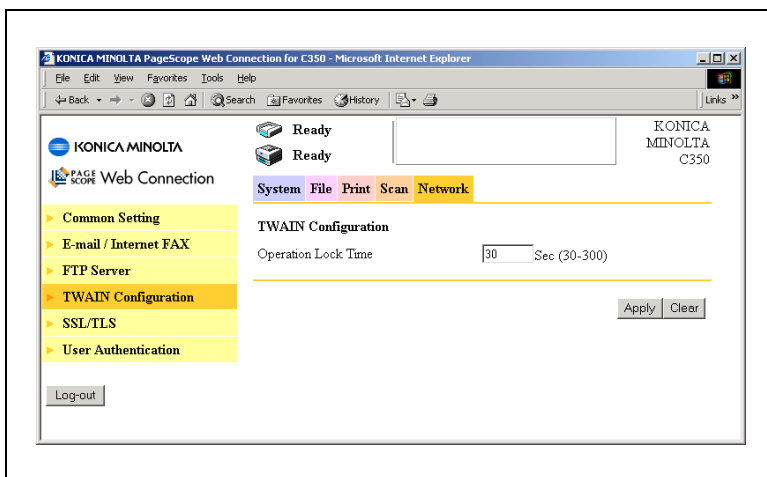
- 1 On the supplied CD-ROM, open the folder (\Driver\English\TWAIN) containing the TWAIN driver.
- 2 Double-click the “Setup.exe” file to run the installation program.
- 3 Carry out the installation by following the instructions on the screen.

8.3 Setting the Panel Lock Timeout for TWAIN

Using PageScope Web Connection or this machine's control panel, set the panel lock timeout for using TWAIN to import images onto the computer.

Using PageScope Web Connection

- 1 Start up PageScope Web Connection.
- 2 Enter the administrator access code, and log in to Administrator mode.
- 3 On the "Network" tab, click **TWAIN Configuration** in the menu.



- 4 Specify settings for the following.
 - Operation Lock Time:
Set the panel lock timeout for performing TWAIN scan operations from the computer.

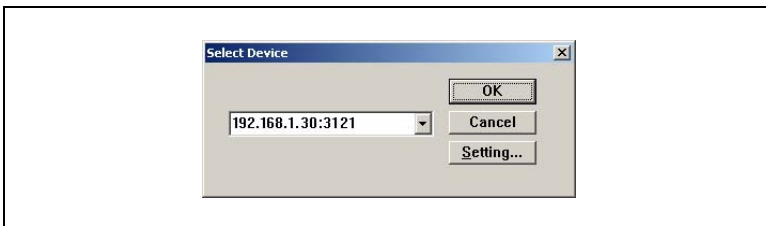
Using this machine's control panel

- 1** On this machine's control panel, press the [Utility] key, touch [Admin. Mode], and then enter the administrator access code.
- 2** Touch [Network Setting], then [Twain].
- 3** Specify the setting for the "Operation Lock Time for TWAIN" parameter.

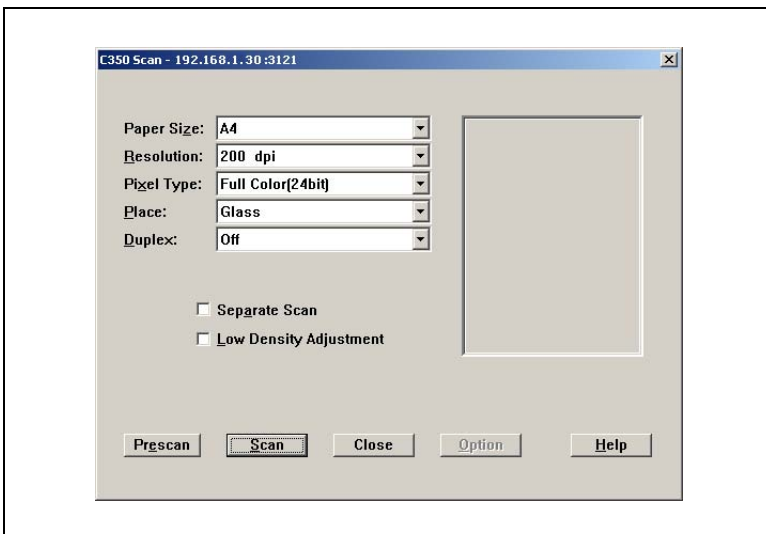
8.4 Retrieving Images Using TWAIN

Retrieval procedure

- 1 Set the document on this machine.
- 2 In the application used to retrieve images, carry out the TWAIN scan operation (for example, click “Select Device” on the “File” menu).
- 3 Select the retrieval destination for the scanned data (IP address:port number). In the retrieval destination list, available TWAIN devices on the network appear. To search for retrieval destinations, click the [Setting] button and specify the conditions in the dialog box that appears. (Refer to “*Searching the Scanner*” on page 8-7.)



- 4 Click the [OK] button to open the scan dialog box.
- 5 Specify settings for the following.



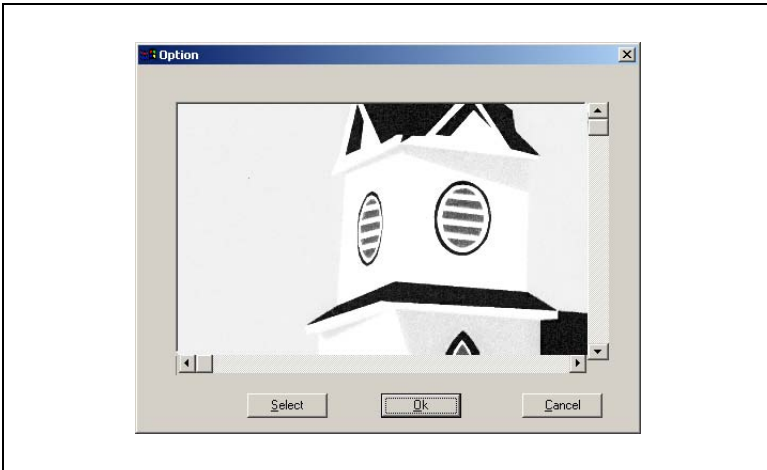
- Paper Size:
Set the paper size to be scanned.
- Resolution:
Set the resolution.
Settings: 600 dpi, 400 dpi, 300 dpi, or 200 dpi
- Pixel Type:
Specify the type of data to be scanned.
Settings: "Full Color", "Gray Scale", or "Black & White"
- Place:
Sets the scan mode of the document.
If "Duplex" is set to "On", "Place" is set to "ADF".
Settings: "Glass" or "ADF"
- Duplex:
Set whether the scanned document is a duplex document.
Settings: "On" or "Off"
- Separate Scan:
Specify the processing of multiple documents.
- Low Density Adjustment:
Specify whether to remove the background.
- [Prescan] button:
Perform a test scan.
- [Scan] button:
Scan the data and import the data into the application.
- [Option] button:
Open the Option dialog box.
Refer to *"Setting the Option Dialog Box" on page 8-6.*

6 Click the [Scan] button.

The document is scanned, and the scanned data is imported into the application.

8.4.1 Setting the Option Dialog Box

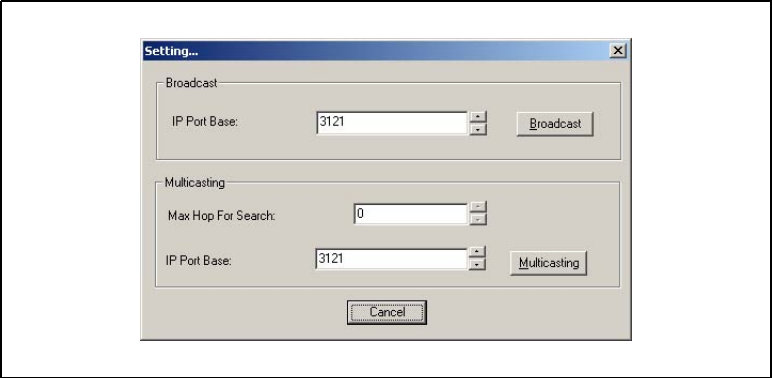
Click the [Option] button in the Scan dialog box to open the dialog box shown below. You can specify a range and perform clipping.



Drag the pointer to select the part of the image to be clipped, and then click the [Select] button. (up to 5 areas can be specified).

8.4.2 Searching the Scanner

Click the [Setting] button in the dialog box used to select the retrieval destination of the scanned data to open a dialog box used to search the scanners.



You can specify the following search conditions.

Broadcast

Searches using the broadcast protocol.

IP Port Base	Specify the port number to be searched.
Broadcast	Execute the search.

Multicasting

Searches using the multicasting protocol.

Max Hop for Search	The number of hops to be searched is fixed at 0. You cannot change this value.
IP Port Base	Specify the port number to be searched.
Multicasting	Execute the search.

9 Using the Box Functions

This chapter describes the procedure for forwarding the image data stored in boxes on this machine’s hard disk in Box functions.



Note

To use these box functions, an optional hard disk must be installed in this machine.



Memo

For the procedure of saving the image data in the box on the hard disk, refer to the C350 Printer Controller User’s Guide.

9.1 Overview

The following box functions are available on this machine. Use the appropriate type that matches your network environment and application.

Function	Description
Forward to E-mail	Forwards the image data in the box by attaching the data to an e-mail message.
Forward to FTP Server	Forwards the image data in the box to an FTP server.
Forward to PC	Forwards the image data in the box to a computer using FTP.

9.2 Environment Required for the Box Functions

To forward image data using a box function, the following environment is required.



Note

All box functions can only be used under a TCP/IP network environment.

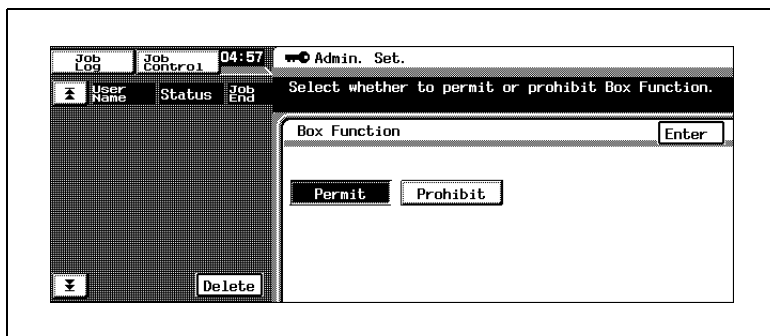
	Environment Required to Forward Image Data	Environment Required to Receive Image Data	Other Limitations
Forward to E-mail	Mail server (on the network)	Mail client computer	A maximum file size may be specified on the mail server.
Forward to FTP Server	FTP server (on the network)	FTP client computer	
Forward to PC	FTP server application (on the receiving computer)	Client computer	

9.3 Using the Box Functions

To use the box functions, you must enable the box functions from this machine's control panel.

Setup procedure

- 1 On this machine's control panel, press the [Utility] key, touch [Admin. Mode], and then enter the administrator access code.
- 2 Touch [Admin. Set.], then [Box Function] (page 2/4).



- 3 Touch [Permit], and then touch [Enter].



Memo

For the setup and operating procedures of the box function, refer to the C350 Printer Controller User's Guide.

10 Using PageScope Web Connection

PageScope Web Connection is a device control utility program provided by the HTTP server built into the printer controller. Start up a Web browser on a computer on the network and access PageScope Web Connection to easily change the copier settings.

10.1 System Requirements

Network	Ethernet network and TCP/IP protocol
Computer application program	Web browser: Microsoft Internet Explorer Ver. 5.5 or later (JavaScript enabled) Netscape Communicator Ver. 4.5 or later (JavaScript enabled)

10.2 Accessing PageScope Web Connection

PageScope Web Connection can be accessed directly from a Web browser.

Procedure

- 1 Start up the Web browser.
- 2 In the Address bar, enter the IP address of this machine as shown below. Then, press the [Enter] key.
http://<IP_address_for_copier>/
Example:
If the IP address of this machine is 192.168.0.10
http://192.168.0.10/
The initial page of PageScope Web Connection appears.



Memo

Below is the URL after SSL/TLS is enabled.
https://<IP_address_for_copier>/

For the procedure to set the IP address of this machine, refer to "Setting the IP Address for This Machine" on page 6-3.

10.2.1 Operation

PageScope Web Connection operation is identical to that for Internet Web pages. You can click a link on the page to jump to the link destination, or click the [Back] (or [Forward]) button to display the previous (or next) page.

10.3 Page Structure

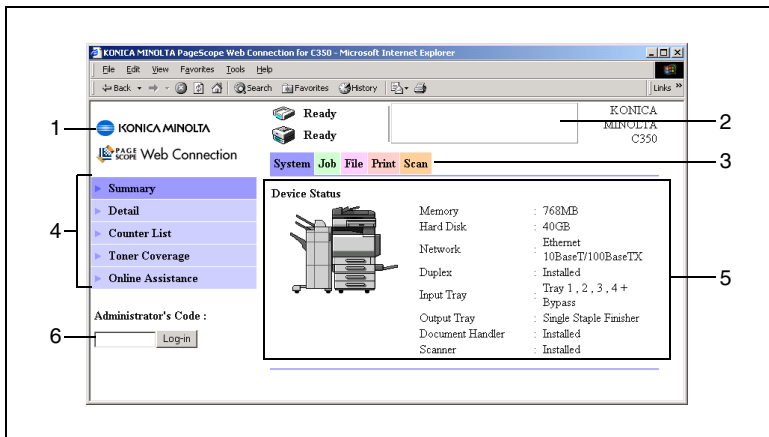
The page that appears immediately after PageScope Web Connection is accessed is called the User mode page. All users can view this page. By entering the appropriate access code in the **Administrator's Code** box on the User mode page, you can display the Administrator mode page. (Refer to "Logging in to Administrator Mode" on page 10-4.)

The configuration of the PageScope Web Connection page is shown below.



Memo

If you wish to change the display language of PageScope Web Connection, log in to Administrator mode, and change the setting using "PageScope Web Connection Setting" in the menu.



1. KONICA MINOLTA Logo

Click the logo to jump to the following Web site (KONICA MINOLTA Web site).

<http://konicaminolta.net>

Click the PageScope Web Connection logo to display the version information.

2. Status Display

The statuses of this machine's printer section and this machine's scanner section are displayed using icons and text.

The message "Ready" appears when this machine is operating normally.

If an error has occurred in this machine, the status of the problem/error and other error information are shown.

3. Tabs

The categories that can be controlled by PageScope Web Connection are displayed. The following tabs are displayed in User mode.

- System
- Job
- File
- Print
- Scan

For details on each tab, refer to the following sections.

4. Menus

Information and settings for the selected tab are listed. The menus that appear vary depending on the tab that is selected.

5. Information and Settings Display

Details of the item selected from the menu are displayed.

6. Administrator's Code

Enter the administrator access code to log in to Administrator mode.

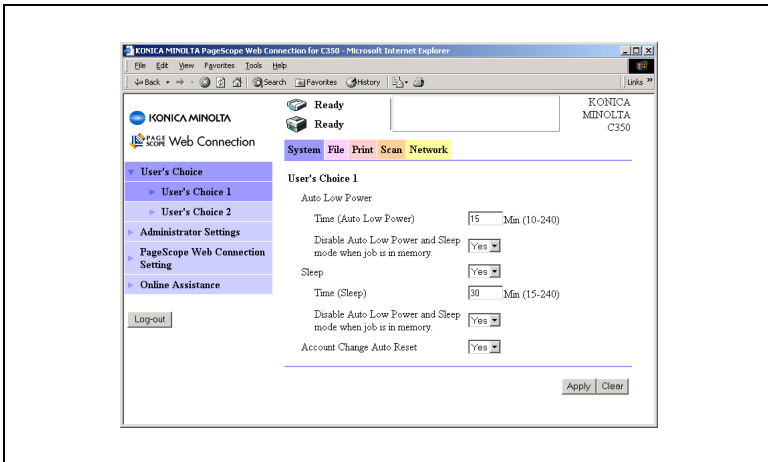
10.4 Logging in to Administrator Mode

You can switch between User mode and Administrator mode. However, you must enter Administrator mode to specify system configurations or network configurations.

Login procedure

- ➔ In the **Administrator's Code** box on the User mode page, enter the administrator password (administrator access code) of this machine, and then click the [Log-in] button.

The Administrator mode page appears.



To return to User mode, click the [Log-out] button.



Note

When logged in to Administrator mode, the control panel of this machine is locked and cannot be used.

Depending on the status of this machine, you may not be able to log in to Administrator mode.

When logged in to Administrator mode, if no operation is performed for a set length of time, a timeout occurs and you will automatically be logged out from Administrator mode. The timeout time is the time that is specified by the "Time (Panel Reset Timer)" item on the "Administrator Settings" page. If the time is set within the range of 1 to 5 minutes, the timeout time is set to 5 minutes. If "Panel Reset Timer" is set to "No", the timeout time is 10 minutes.

If the unauthorized access lock is enabled on this machine's control panel and you enter a wrong administrator's code three times, the login is determined to be invalid and you will no longer be able to log in to Administrator mode. To enable access, this machine must be restarted (turned off, then on again).

11 Using the BOX Utility

The BOX Utility is a program used to retrieve, print, or send as an e-mail attachment the image data that has been stored on the hard disk using the Scan to HDD operation. The data is exchanged with the copier using FTP.

**Note**

To use this utility program, an optional hard disk must be installed in this machine.

The main features of the BOX Utility are as follows:

- Display a list of image data that is stored on the hard disk installed in this machine.
- View and check the image data on the hard disk. The image can be expanded or reduced.
- Display a list of thumbnails of the image data.
- Print the selected image data.
- Easily send image data using e-mail, FTP, or SMB.
- Collectively back up or restore images (administrator only).

11.1 System Requirements

Computer	IBM PC or compatible Pentium II 450 MHz with 128 MB or more (Pentium III 1 GHz with 256 MB or more recommended)
Operating System	Windows 98SE, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 (SP 6a or later)
Network Environment	A TCP/IP network is required.
Driver	The printer driver must be installed to print the images.
Applications	Adobe Acrobat Reader or Adobe Acrobat (to display PDF files*) Adobe Acrobat 5.0 (to display thumbnails of PDF files)
* PDF files can be displayed if a different application that can display PDF files is installed and the extension is assigned to the application.	

11.2 Supported File Formats

The BOX Utility supports the following file formats.

File Format	Supported Functions
JPEG	Color mode: Full color or grayscale You can specify the compression ratio.
TIFF	Color mode: Black Priority compression method for monochrome: MH or MMR
PDF	Color mode: Full color, grayscale, or black Priority compression method for monochrome: MH or MMR

11.3 Installing the BOX Utility

**Note**

If other application programs are running, close them before starting the installation. If another application is running, the program may not be installed correctly.

Procedure

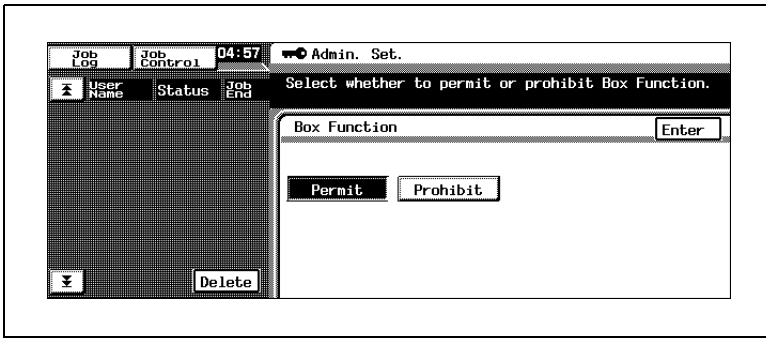
- 1** Open the folder that contains BOX Utility on the supplied CD-ROM (the “BoxUtility” folder).
- 2** Double-click the “Setup.exe” file to run the installation program.
- 3** Complete the installation according to the instructions that appear.
- 4** If a computer restart confirmation screen appears, restart the computer.

11.4 Using the Box Functions

To use BOX Utility, you must enable the box functions from this machine's control panel.

Setup procedure

- 1 On this machine's control panel, press the [Utility] key, touch [Admin. Mode], and then enter the administrator access code.
- 2 Touch [Admin. Set.], then [Box Function] (page 2/4).



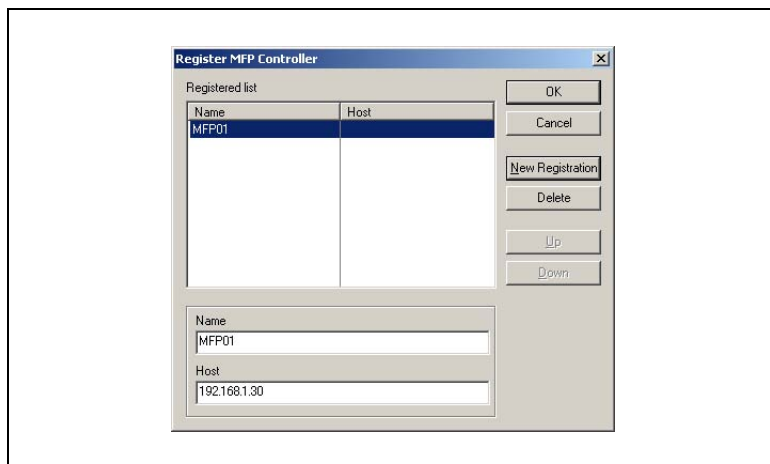
- 3 Touch [Permit], and then touch [Enter].

11.5 Registering the Copier

To retrieve image data on the copier hard disk, the copier must be registered in the utility program. Up to 10 copiers can be registered.

Registration procedure

- 1 Click the [Start] button, and then click “Programs” – “KONICA MINOLTA” – “BOX Utility” – “BOX Utility” to start up the BOX Utility.
- 2 On the “Setup” menu, click “Register MFP Controller”.
The setup dialog box below appears.



- 3 Click the [New Registration] button.
- 4 Enter the registration name in the **Name** box (up to 16 characters) and the IP address of the copier in the **Host** box.



Memo

The following symbols cannot be used in the box name.

*\ / : * ? " < > |*

For the procedure to set the IP address of this machine, refer to “Setting the IP Address for This Machine” on page 6-3.

- 5 Press the computer keyboard's [Enter] key and click the [OK] button.

The registration is saved.

You can also edit or delete registrations and change the order that the registrations are displayed in the Register MFP Controller dialog box.

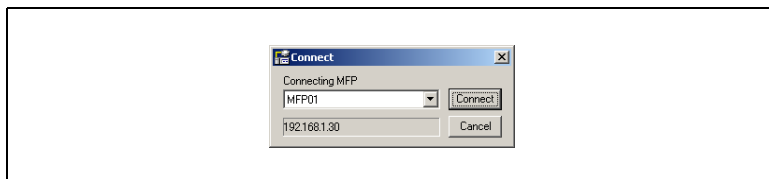
11.6 Connecting the Copier

Connect the copier to access the image data on the copier hard disk.

Connection procedure

- 1 On the “Communicate” menu, click “Connect”. You can also click  on the toolbar.

A dialog box used to select the destination appears.

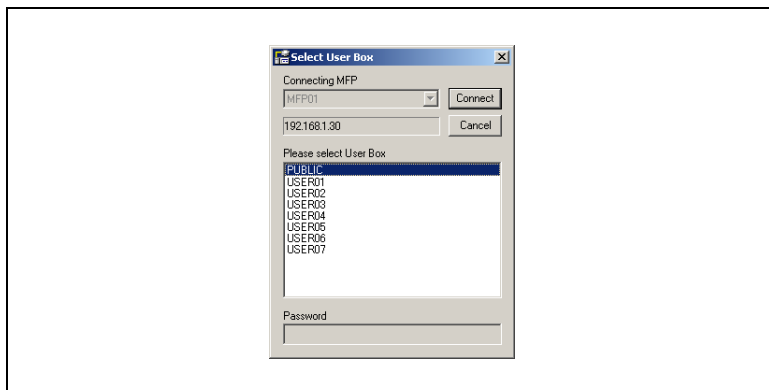


- 2 If multiple copiers are registered, select the copier to be connected from the **Connecting MFP** drop-down list.

The **Connecting MFP** drop-down list displays the registration names that were entered in “*Registering the Copier*” (refer to “*Registering the Copier*” on page 11-5).

- 3 Click the [Connect] button.

The connection is established and the boxes on the copier hard disk appear.



- 4 Select the box containing the image data that you wish to view. If a user box is selected, enter the password for the box in the **Password** box.

- 5 Click the [Connect] button.

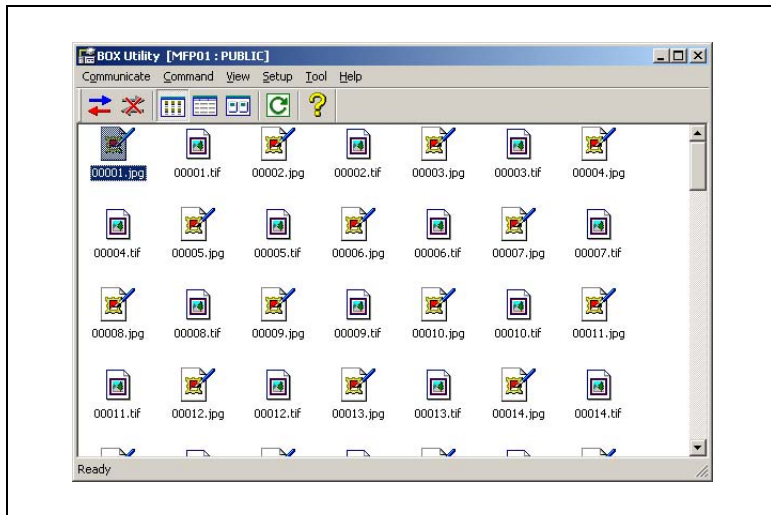
A list of image data in the selected box appears.

Disconnecting from the copier

- To disconnect from the copier, click “Disconnect” on the “Communicate” menu, or click  on the toolbar.

11.7 Main Window

After connecting the copier and selecting a box, a list of image data is displayed.



Memo

For the operating procedures on the List Window, refer to the C350 Printer Controller User's Guide.

11.8 Image Display Window

An image display window opens when you select a file from the main window, then click “Open” on the “Command” menu.



You can perform the operations described below in the image display window.

Saving the image file

- On the “File” menu, click “Save As”.
The file save dialog box appears.

Displaying the print preview

You can display a preview sample before printing the displayed image.

- On the “File” menu, click “Print Preview”.
The print preview screen appears.

12 Troubleshooting

12.1 Unable To Print

This chapter explains the troubleshooting procedures for possible malfunctions.

Perform the troubleshooting procedures given below when this machine does not print, even after you have executed the print command from your computer.

Symptom	Probable Cause	Action
A message appears, stating that “no printers are connected”, “no paper is loaded”, or “LPT1 write error”.	An error has occurred in this machine.	Check this machine’s control panel.
	The network cable or printer cable is disconnected.	Check that the printer cable or network cable is connected properly.
This machine does not start printing although processing of the print job was completed on the computer.	An error has occurred in this machine.	Check this machine’s control panel.
	The network cable or printer cable is disconnected.	Check that the printer cable or network cable is connected properly.
	The printer driver selected for printing is not compatible with the printer controller.	Check the printer name selected in the Print dialog box.
	A print job is queued in this machine, delaying printing.	Check the job order on the Active Jobs screen of this machine’s control panel.
	The print job is locked.	Check if the print job is locked on the Locked Jobs screen of this machine’s control panel. If it is, unlock it.
	The connection of this machine to the network is not yet established (while connecting to a network).	Consult with the network administrator.
	If the Copy Track mode is set, an illegal access number (password) may have been entered.	Enter the correct access number (password).

If the problem persists after all of these procedures have been performed, read the User’s Manual of this machine.

12.2 Unable To Specify Desired Settings or Unable To Print as Specified

Perform these troubleshooting procedures if you cannot specify the desired settings in the print driver, or if the print results do not represent the settings that have been specified.



Memo

Some of the printer driver functions cannot be combined with other functions. For details, refer to the C350 Printer Controller User's Guide.

Symptom	Probable Cause	Action
A printer driver setting cannot be selected.	Some functions cannot be combined.	Do not try to select settings that are dimmed.
The Conflicts dialog box appears.	An incorrect combination of functions have been specified.	Check the settings and specify the functions correctly.
Print is not performed as specified.	Incorrect settings have been specified.	Check each setting in the printer driver.
	A combination of functions, although possible in the printer driver, is not possible with this machine.	
	The paper size, orientation, and other settings specified in the application have priority over those specified in the printer driver.	Enter the correct settings in the application.
The watermark cannot be printed.	The watermark is not correctly set.	Check the watermark settings.
	The watermark density is set to a level that is too low.	Check the Shading setting.
	Watermarks cannot be printed in graphics applications.	No watermark can be printed in this case.
The staple function cannot be specified.	Stapling is not possible if "Media Type" is set to "Thick" or "Transparency".	Check each setting in the printer driver.

Symptom	Probable Cause	Action
Stapling cannot be performed.	Number of pages that can be stapled when FS-501 is installed: Up to 30 pages	Change the Copies setting.
	Number of pages that can be stapled when FS-601 is installed: Up to 50 pages on A4/ Letter or smaller paper, and up to 25 pages on B4/Legal or larger paper	
	Number of pages that can be center-stapled when FS-601 is installed: Up to 10 pages	
	Stapling is not possible if the document contains pages of different sizes.	Check the document.
The stapling position is not as expected.	The orientation setting is not correct.	Check the stapling position on "Page Layout" of the printer driver setup dialog box.
The hole punch function cannot be specified.	Hole punching cannot be specified if "Booklet", "Transparency", "Thick2", "Thick3", or "Envelope" is selected.	Check each setting in the printer driver.
The pages are not punched.	Printed pages may be fed out without being punched if the paper is loaded into the paper source with an incorrect orientation.	Check the orientation setting.
The hole punch position is not as expected.	The orientation setting is not correct.	Check the punch position on "Page Layout" of the printer driver setup dialog box.
The folding function cannot be specified.	FS-601 must be installed in order to specify the folding function. FS-601 must be selected on the "Device Option Setting" tab.	Select FS-601 on the "Device Option Setting" tab of the printer driver.
	Folding cannot be specified together with stapling or "Thick".	Check each setting in the printer driver.
The image is not printed properly.	Available memory space is not sufficient.	Simplify the image to reduce the data size.
Paper is not fed from the specified paper source.	Paper will not be fed from the specified paper source if that paper source is loaded with paper of a different size or orientation.	Load the paper source with paper of the appropriate size and orientation.
The access number cannot be specified.	To specify access numbers, an optional hard disk and an optional 256 MB memory must be installed on this machine. In addition, the hard disk must be added in the "Device Option Setting" tab of the printer driver.	• Add the necessary options. • Add the hard disk in the "Device Option Setting" tab of the printer driver.

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