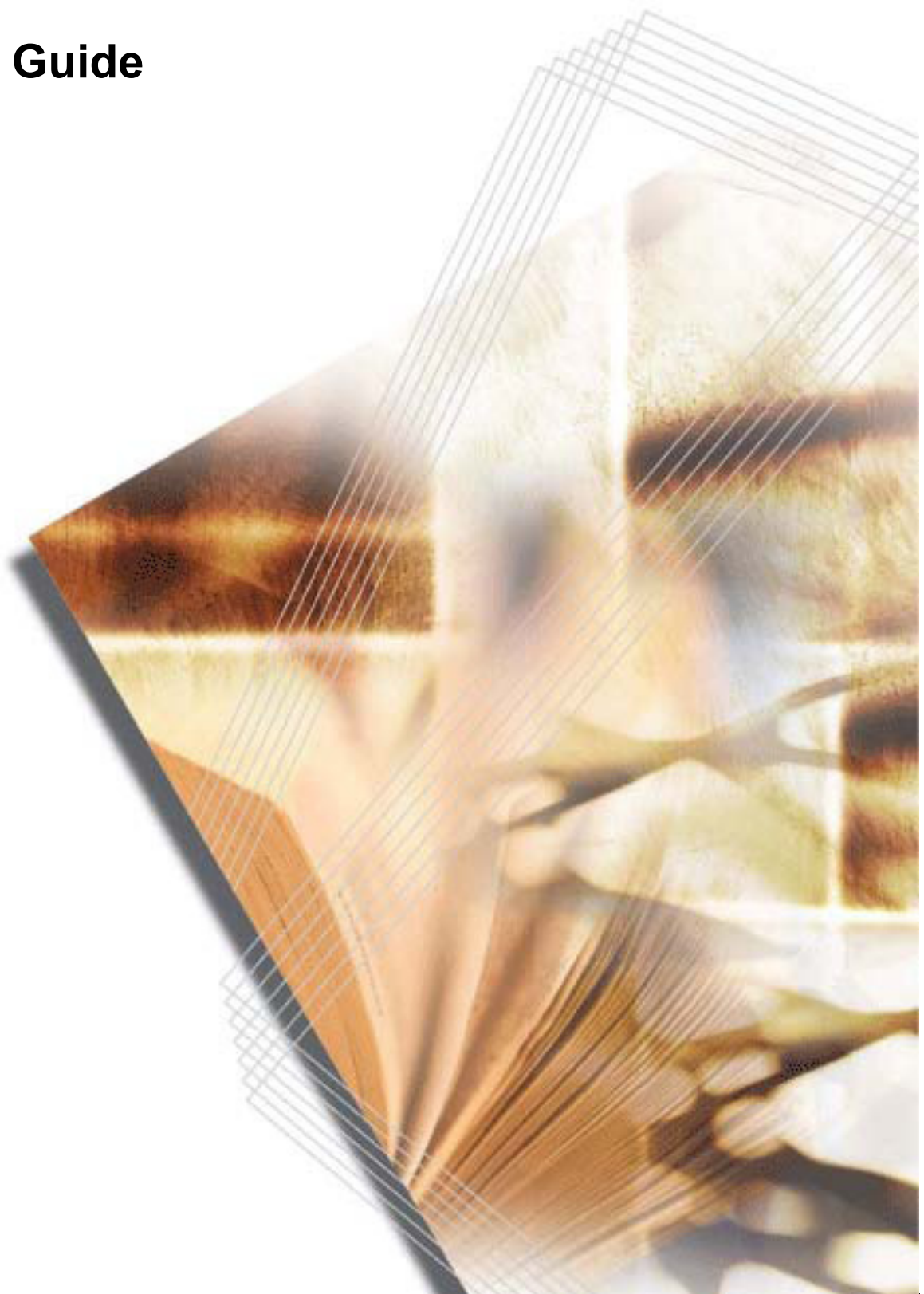# KYOCERA

Kyocera Extended Driver
Version 4.0

User Guide

Legal Notes

Unauthorized reproduction of all or part of this guide is prohibited.

The information in this guide is subject to change for improvement without notice.

We cannot be held liable for any problems arising from the use of this product, regardless of the information herein.

Regarding Trademarks

- PCL is a registered trademark of Hewlett-Packard Company.
- Microsoft Windows is a registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- PostScript is either a registered trademark or trademark of Adobe Systems Incorporated in the U.S. and/or other countries.
- TrueType is a registered trademark of Apple Computer Inc.
- All other brand and product names herein are registered trademarks or trademarks of their respective companies.

Examples of the operations given in this guide support the Microsoft Windows XP printing environment. Essentially the same operations are used for MIcrosoft Windows 95/98/Me/2000 environments.

Models supported by the KX printer driver

Copier/ MFP			
KM- 1650	KM- 4030	KM- C830	CS- 1650
KM- 1815	KM- 4035	KM- C830D	CS- 1815
KM- 2050	KM- 4530	KM- C850	CS- 2050
KM- 2530	KM- 5035	KM- C850D	CS- 2550
KM- 2550	KM- 5530	KM- C2520	CS- 6030
KM- 3035	KM- 6030	KM- C2630	CS- 8030
KM- 3530	KM- 6330	KM- C3225	
	KM- 7530	KM- C3232	
	KM- 8030	KM- C4008	

Printers			
FS- 820	FS- 1900	FS- 9500DN	
FS- 920	FS- 1920	FS- 9520DN	
FS- 1010	FS- 3800	FS- C5016N	
FS- 1018MFP	FS- 3820N	FS- C5020N	
FS- 1020D	FS- 3830N	FS- C5030N	
FS- 1030	FS- 6020	FS- C8008N	
FS- 1800	FS- 6026	FS- C8026N	
FS- 1800+	FS- 9100DN		
	FS- 9120DN		

The explanatory screens shown in this guide may differ from your printing system.

Table of Contents

Chapter 8   Job

Chapter 9   Profile

Chapter 10   Advanced

1 Installation

A printer driver is an application that sends documents to the printing system. Install the printer driver from the supplied CD-ROM. Once installed, a variety of printing system settings can be configured.

> **Note:** In Windows XP or 2000, you must be logged into the system with administrator privileges to install the printer driver.

When installing the printer driver, you must specify the connection method and port. Once the printer driver is installed, you can add more components. For detailed information on installing components, see *Installing Components* on page 1-9.

1 The **Welcome to the Kyocera Printer Installation Wizard** dialog box appears. Click **Next**.
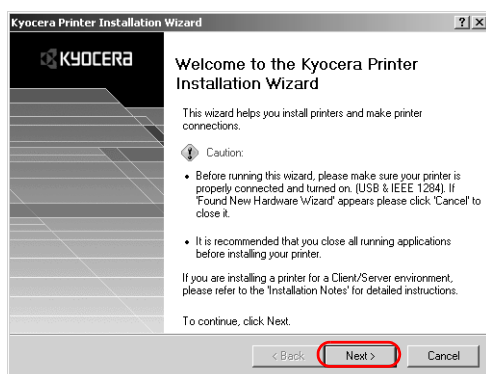
2 The **Local or Network Connection** dialog box appears. Select **Local connection,** and click **Next.** For a Network connection, proceed to *Network Connection* on page 1-4.
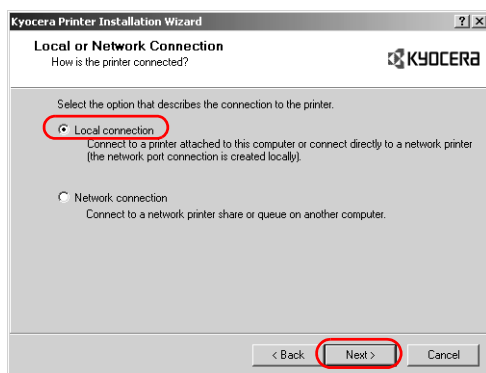
3 The **Select Printer Model** dialog box appears. From the list, select the **Manufacturer** and corresponding **Printers** to connect, and click **Next**.
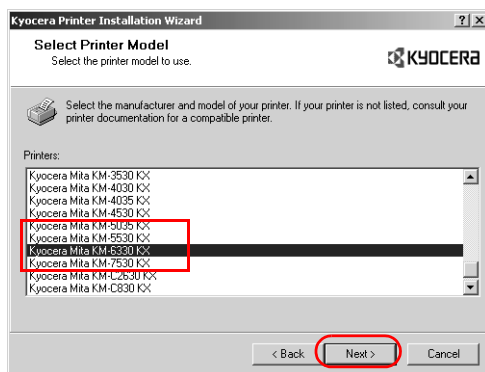
- If the **Found New Hardware** dialog box appears, click **Cancel**.
- If the **Hardware Installation** warning dialog box appears, click **Continue Anyway**.
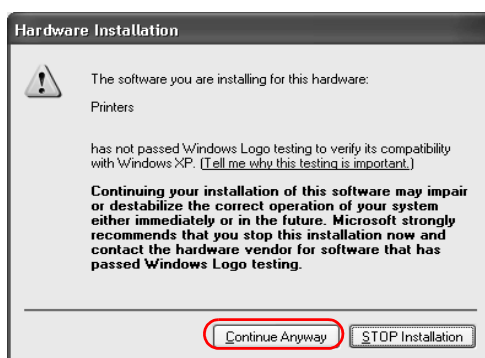
- If the **Network Printer Port Monitor** dialog box appears, select **Yes** to install an e-mail printer port for network printing and click **Next**.
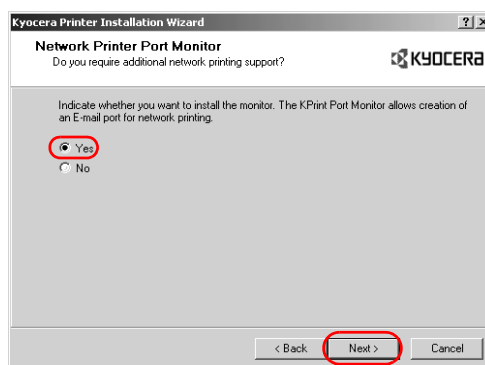
4 The **Select the Printer Port** dialog box appears. If the port you want to use appears in the **Use the following port:** list, select the port, click **Next**, and then proceed to *step 6* on page 1-7.

Connections

If you are connecting your device to your computer with a parallel cable, select **LPT1:** from **Use the following port:**, then click **Next**, and then proceed to
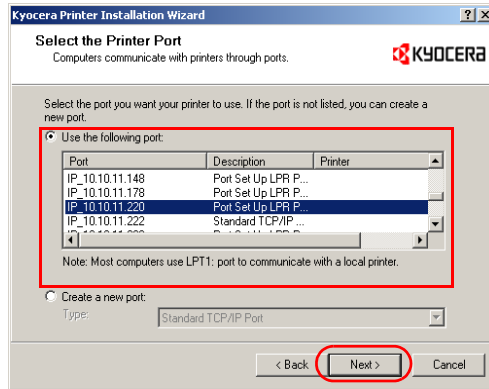
If the port is *not* in the list, select **Create a new port**, select the port type from the menu, and click **Next**.
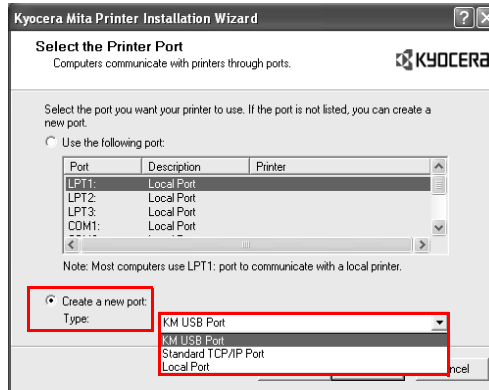
Instructions for creating a new USB port are below. To create a network port, see

USB Port

1 If there are no USB ports listed under **Use the following port**, from the **Create a new port type** list, select **KM USB Port:**, then click **Next**.
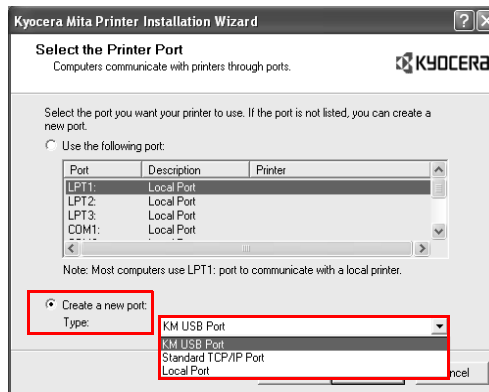
2   The **KM USB Port monitor** dialog box appears. Confirm the Port name and click **Advanced...**.
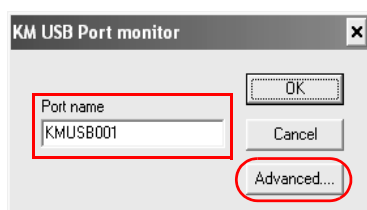
3   The **Serial number** list appears. Confirm the serial number and click **OK**.
If the **Serial number** list is blank, cancel the installation procedure. Turn off the printing system and return to step 1.
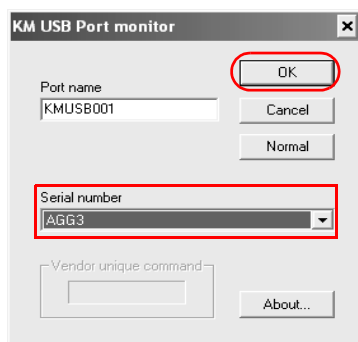
That completes the setup of a USB port. Proceed to

Network Connection

1   The **Local or Network Connection** dialog box appears. Select **Network Connection** and click **Next**.
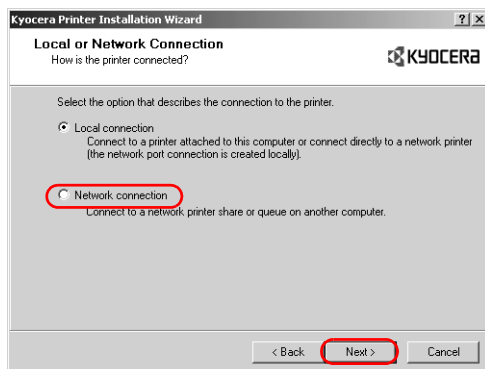
2   The **Locate Your Printer** dialog box appears. Select one of the following search methods:

- **Type the printer name...**: Leave the printer name blank and click **Next**. All printing systems available on network servers appear.
- If you have directly typed in the print server name, click **Next**.

- • **Connect to a printer on the Internet or...**: Search by URL for printing systems that operate with the Internet print protocol.
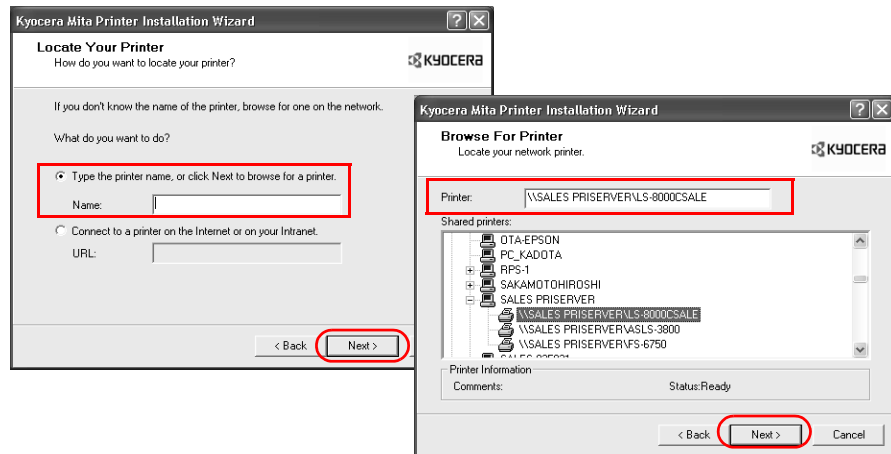
3 Find and select the printing system URL and click **Next**.
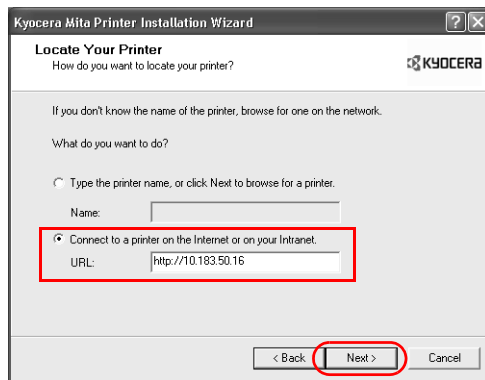
Create a New Network Port

1 The **Select the Printer Port** dialog box appears. Select **KPrint Port:** from the **Create a new port: Type** list, and then click **Next**.
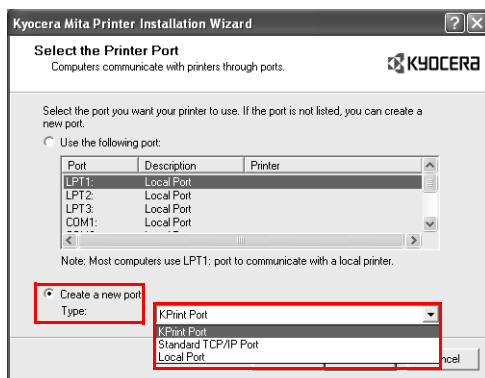
2   The **KPrint Add Port Wizard** dialog box appears. Select **Print using LPR (Line Printer Remote)** and click **Next**.
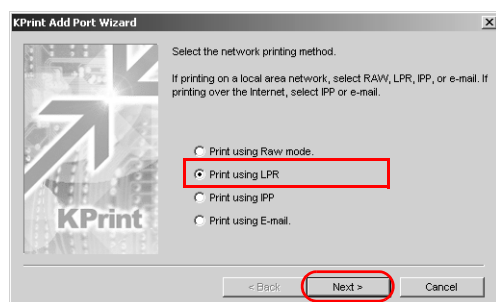
> **Note:** If the **KPrint** utility is installed, the following procedure may differ.

3   In the **Enter the IP address or host name of the print server** dialog box, enter the **IP Address or Host Name** and click **Next**.

   •   Click **Search...** if the IP Address or Host Name is not known. A list of available network printing systems displays. Select the network printing system, then click **OK**. Click **Next to continue**.
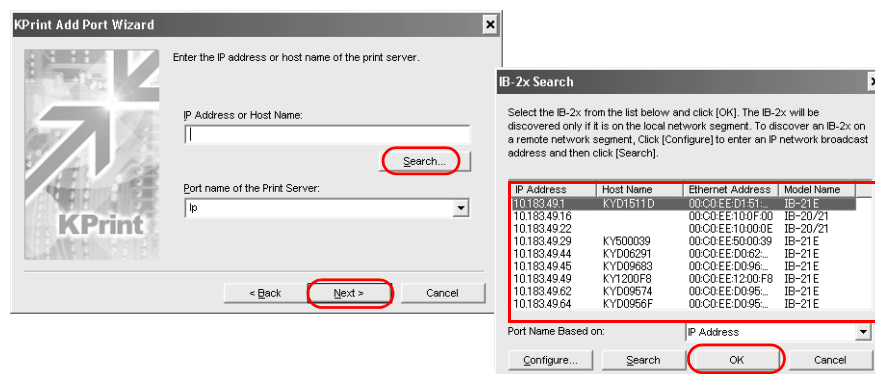
4   Confirm the destination printer port name and click **Next**.
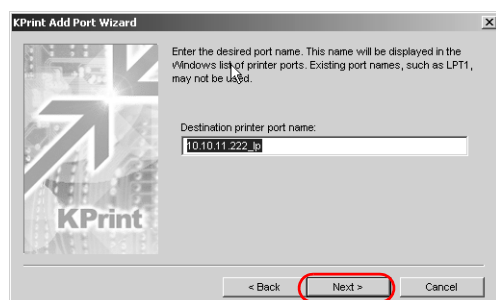
5 Confirm the settings, and click **Finish**.
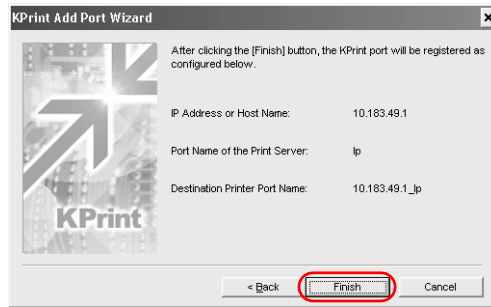
That completes the setup of a network port. Proceed to *step 6*, below.

6 The **Name Your Printer** dialog box appears. Select **Yes** or **No** to use the printing system as the default printing system for Windows-based programs. Click **Next**.
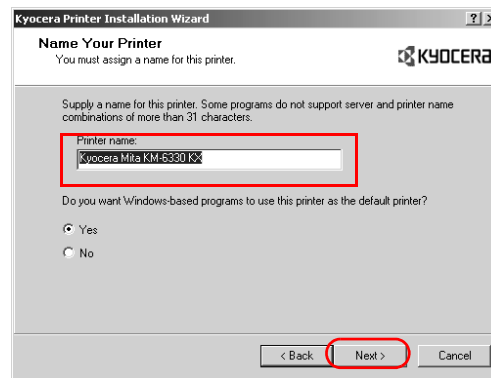
7 The **Printer Sharing** dialog box appears. If you do not want to share the printing system, select **Do not share this printer** and click **Next**.
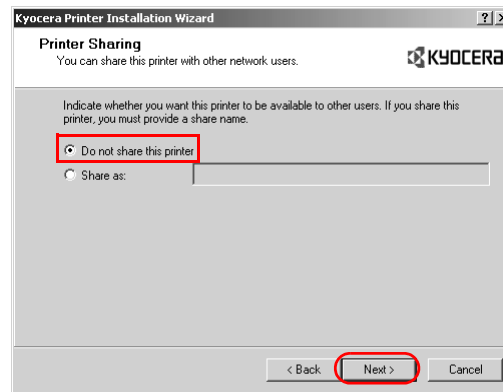
8 The **Print Test Page** dialog box appears.

- Select **Yes (recommended)** to print a test page to confirm the proper operation of your printing system and click **Next**. If the test page does not print properly, click **Troubleshoot** to determine the problem.

• Select **No** if you do not wish to print a test page and click **Next**.
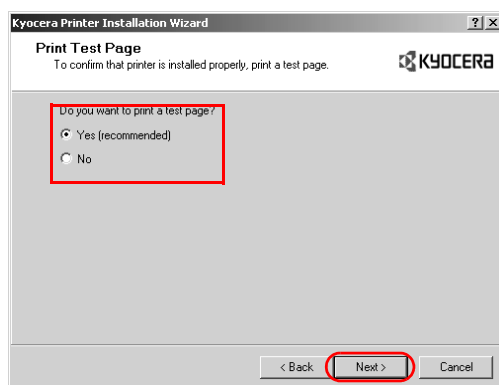
9 The **Confirm Settings** dialog box appears. Verify the settings and click **Install**. The printer driver installation begins.
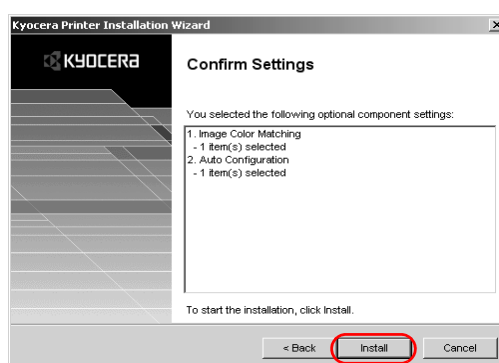
10 Once the installation is complete, the **Printer Installed Successfully** dialog box appears.

• Select **Yes (recommended)** to install optional components and click **Next**. Proceed to *Installing Components* on page 1-9.
• Select **No** if you do not wish to install optional components and click **Next**.
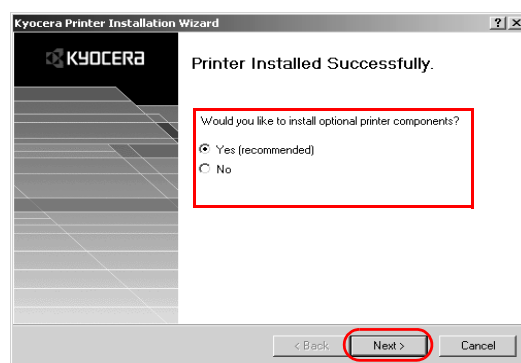
11 Choose from one of the following options:

• Select **Yes** and click **Next** to install additional printer drivers. The **New Printer Installation** dialog box appears.
• Select **No** to complete the installation and click **Finish**.

Installing Components

You can expand the functions of your printer driver by installing components that compliment the ways in which you utilize your printing system. For more information on profiles, refer to *Add Profile* on page 9-1.

Note: The displayed components may vary based on the printing system model.

Once the installation is complete, the **Printer Installed Successfully** dialog box appears. Select **Yes (recommended)** and click **Next**.
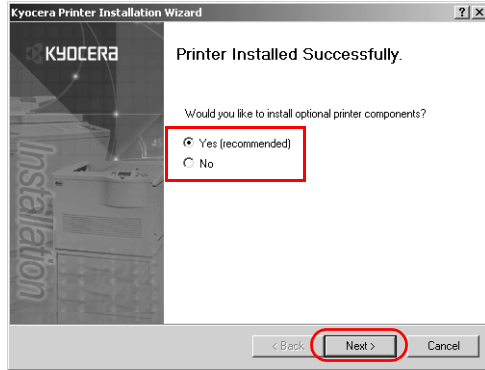
12 The **Select Components** dialog box appears. Select the check box of the components to install, and click **Next**. Follow the instructions in the dialog box to proceed.
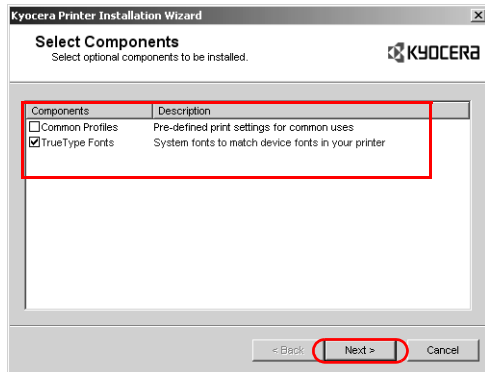
13 The **Confirm Settings** dialog box appears. Verify the selected component items, and click **Install**.

14 The **Printer Components Installation Completed** dialog box appears. Choose from one of the following options.

•   Select **No** to complete the installation, and click **Finish**.
•   Select **Yes** to install additional printer drivers, and then click **Next**.

When you have completed installing printing systems and components, click **Exit** to complete the installation. If prompted, restart your system.

2 Printer Properties

This section explains how to customize the installed printer driver settings including:

- *Accessing Printer Properties*
- *Installing Optional Devices*
- *User Settings*
- *Page Description Language (PDL)*
- *Administrator Settings*
- *Compatibility Settings*
- *Auto Configuration*

Follow the steps below to set your preferred options as the default settings. These default settings can be changed temporarily when printing from within Windows-based applications.

Accessing Printer Properties

1 Click **Start** in the Quick Launch toolbar, and click **Printers and Faxes.** The **Printers and Faxes** window appears.

Windows 98/Me/2000: Open the **Start** menu, and click **Settings** and **Printers** in sequence to display the **Printers** window.

2 Right-click the printer icon in the **Printers and Faxes** window. A list appears.
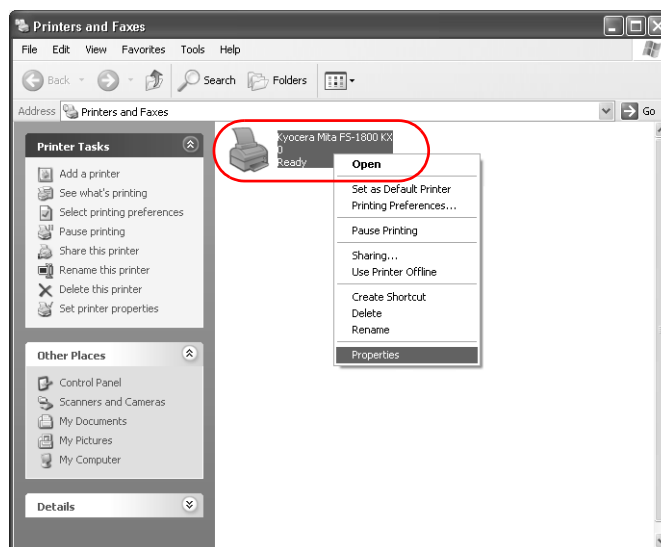
3 Click **Properties** in the list. The **Properties** dialog box appears.

Installing Optional Devices

With the **Printer Properties** window displayed, open the **Device Settings** tab. For each optional device installed in your printing system, select the equivalent setting under the **Device Options** list. Depending upon the model, available devices include

finishers, paper feeders, side feeders, high-capacity feeders, hard disk and RAM disk, tandem unit, booklet stitcher, and duplex unit. For models connected to a network, the **Auto Configure** button can be used to select all available devices. You can also specify the memory setting, PDL (Page Description Language), settings for the user, administrator settings for operation panel messages, passwords, and more.

Note: The printer image shown in the **Printer Properties** dialog box and the list of **Device options** will vary depending on the printing system you have.

Device Options

1 Click the **Device Settings** tab.

2 In the **Device options** area of the **Device Settings** tab, select the check boxes for devices installed in your printing system.
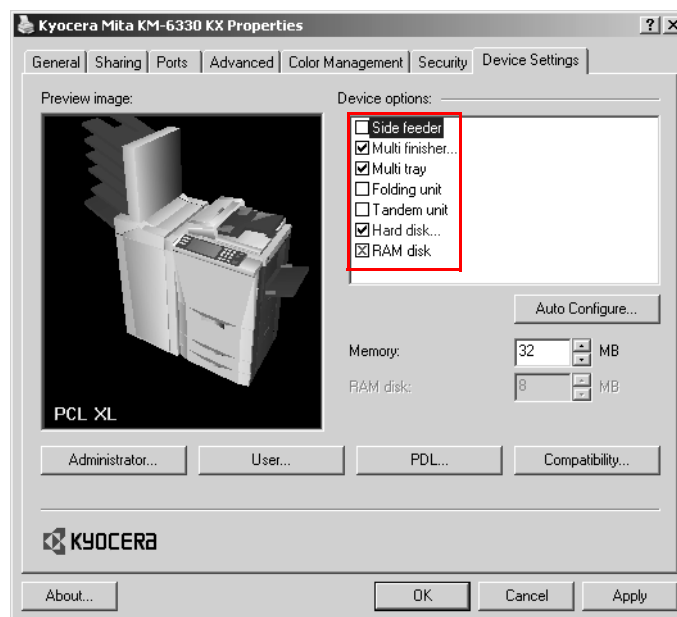
Note: Some devices cannot be installed simultaneously. For example, a finisher and a booklet stitcher cannot be used at the same time. After you have selected a device, other devices will be marked with a red X, preventing the selection of conflicting devices.

When you select the check box of an optional device shown in blue, a sub-dialog box appears with additional setting details. If a device option check box is already selected, double-click the device option to open the sub-dialog box.

The **Hard Disk Settings** dialog box appears if you select the **Hard disk** option, enabling the configuration of virtual mailboxes. For further details, see *Virtual Mailbox* on page 8-8.

3 In the **Memory** box, select the memory capacity of your printing system. This setting is required to optimize the downloading of printing system fonts. If you don't know the memory capacity of your printing system, you can use Auto Configure so the information can be automatically selected. If auto configure is not available, then printing system memory can be seen on the status page. To generate a status page,

select this option from operation panel. See *Auto Configuration* on page 2-11 for more information.
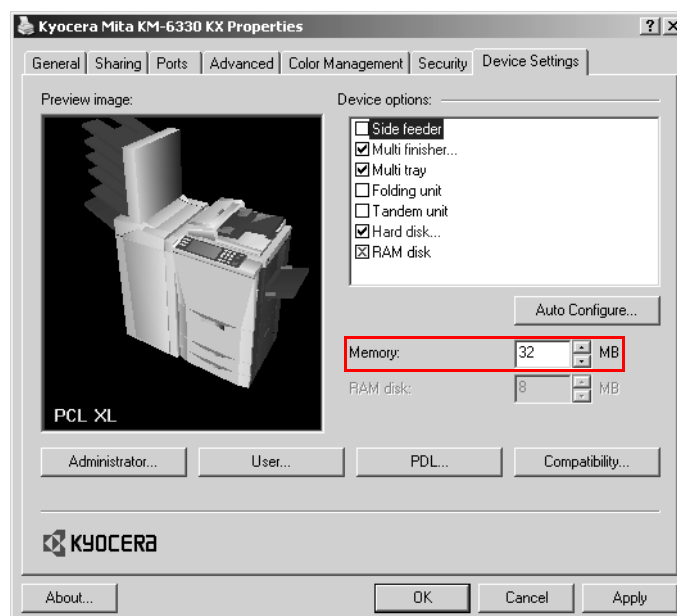
Punch Settings

When you select the check box for a finishing device shown in blue in the **Device options** list, such as Finisher or Multi-Finisher, the **Punch Unit Settings** dialog box appears. If the device listing is already enabled, double-click the option to display the **Punch Unit Settings** dialog box.

Select **2 Hole**, **2 & 3 Hole**, or **2 & 4 Hole** punch option depending on the optional Punch Unit attached to your finisher to enable hole punching.

Assigning Virtual Mailboxes

If you enable the **Hard disk** check box, the **Hard Disk Settings** dialog box appears and virtual mailboxes can be created. For further details, see *Virtual Mailbox* on page 8-8.

Note: An installed hard disk supports the following options: Quick Copy, Proof and Hold, Private Print, Job Storage, Virtual Mailbox, Temporary Storage, and Permanent Storage.

RAM Disk

The RAM disk functions as a hard disk saving print requests into the printing system's memory if a hard disk for printing is not installed. When a hard disk is installed, the RAM disk function is inactive.

Note: Since the RAM disk is volatile memory, all data sent to the printing system is lost if the power is turned off.

The size of the RAM disk is specified in settings at the printing system's operation panel. For further details, consult the printing system's *Operation Guide*.

RAM Disk Settings

1 In the **Device options** list, enable the **RAM disk** check box. The memory capacity can be adjusted in the **RAM disk** box.
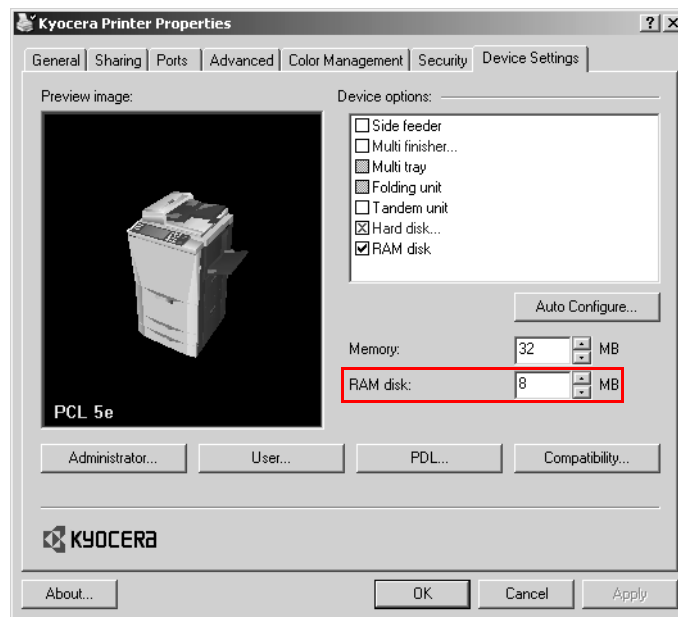
2 Specify the **RAM disk** size. The maximum RAM disk capacity may vary depending on your printing system model and installed memory.

For example, if the memory corresponds to 32 MB minus 24MB, the maximum available capacity for the RAM Disk is 8 MB. The value in the **RAM disk** box will not exceed 8 MB. For further details, consult the printing system's *Operation Guide*.

User Settings

The following user information can be configured by clicking **User** in the **Device Settings** tab.

• *Identification*
• *Unit of Measurement*
• *Language Preference Selection*

Identification

In this dialog box, enter user name and department information to be displayed at the operation panel during printing. For some printing system models, the User name can be used with the Job Storage feature. For further details, see *Job Storage (e-MPS)* on page 8-1 and *Operation Panel Message* on page 2-8.

1 In the **Device Settings** tab, click **User**.

2 The **User Settings** dialog box appears. In the **User name** and **Department** boxes, enter up to 31 characters.

   • Enter the preferred name in **User Name** field.
   • Enter the user's department or group name in the **Department** field.
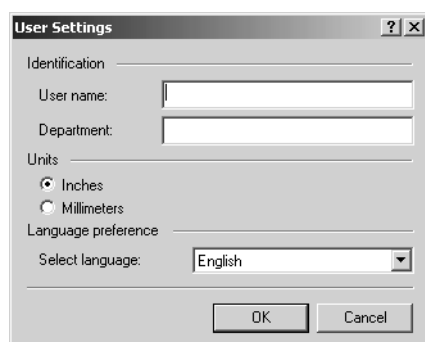
3 Click **OK**.

Unit of Measurement

The unit of measurement will be used for the following settings:

   • Custom Page Sizes setting in the Page Sizes section in the Basic tab
   • Spacing setting in the Watermark tab's Add and Edit dialog boxes
   • Poster settings and Gutter width in the Layout tab.

In the **User Settings** dialog box, select either inches or millimeters.

Language Preference Selection

The Language preference option specifies the interface language of the **Device Settings** tab of **Printer Properties** and all tabs of **Printing Preferences**. Available languages will vary depending on your locale and your computer settings.

Select the preferred language from the **Language preferences** list. To activate the new language, click **OK** in the **User Settings** and then in the **Properties** dialog box.

Page Description Language (PDL)

You have the option to change the Page Description Language (PDL) by clicking **PDL** in the **Device Settings** tab. Available PDLs vary based on the printing system. You can choose from **PCL XL**, **PCL 5e**, **PCL 5c**, or **KPDL** (Kyocera Page Description Language). We recommend **PCL XL** for most printing purposes. After you select a PDL, the selection appears in the lower corner of the 3-D image.
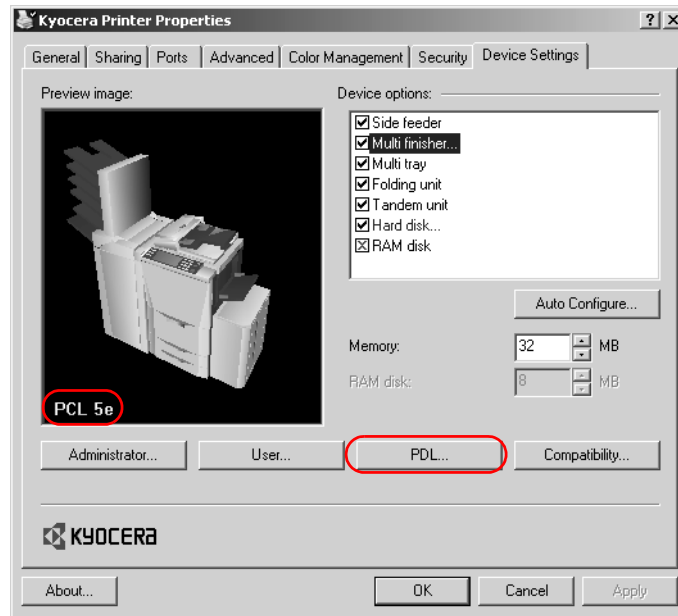
PDL Settings

1 In the **Device Settings** tab, click **PDL**.

2 The **PDL Settings** dialog box appears. Select the desired language from the **Select PDL** list. See the table below for options and descriptions.

Option	Description
PCL XL (color and monochrome printing systems)	The most recent version of HP PCL and PCL 6. This PDL includes PCL 5e features. Enhanced over PCL 5e/c in these areas: • Reduced file size • Better print speed • Faster return to application • Lacks backward compatibility with earlier PCL versions

Option	Description
PCL 5c (color printing systems)	Specifies PCL 5c as the PDL. • Fully compatible with earlier PCL versions • Bidirectional communication support • Wide selection of fonts for use with Microsoft Windows applications • Allows more options for utilizing PRESCRIBE commands within applications • Complex graphics might not print as well
PCL 5e (monochrome printing systems)	Specifies PCL 5e as the PDL. • Fully compatible with earlier PCL versions • Bidirectional communication support • Wide selection of fonts for use with Microsoft Windows applications • Allows more options for utilizing PRESCRIBE commands within applications • Complex graphics might not print as well
KPDL (color and monochrome printing systems)	Specifies KPDL as the PDL. KPDL is used when printing from applications that support PostScript 2 or 3. • An optional KPDL upgrade kit may be required for some models. • Kyocera's emulation of PostScript printing • Strong graphics reproduction • Print speeds may be slower than PCL 5e/c • Requires more printing system memory than PCL 5e/c • Enables native TrueType font downloading

In **GDI compatible mode**, vector graphics are rasterized for printing as bitmap images. Use the **GDI compatible mode** option to improve the graphic output quality created by the application. Due to memory restrictions, this feature is not available in certain printing environments.

3 **Settings** is available when the PDL is set to KPDL, and, on some models, when PCL XL is selected.

PCL XL

Option	Description
Disable auto media type switching	A check box control for disabling automatic switching of the paper source. If the selected cassette runs out of paper: Cleared: The printing system will automatically switch to another cassette loaded with the same page size and media type. Selected: Printing will stop until you load more paper into the cassette.

KPDL

Option	Description
Allow data passthrough	Data passthrough reduces errors when printing complex jobs from applications that use PostScript formatting.

Administrator Settings

The following settings can be specified by clicking **Administrator** in the **Device Settings** tab. We recommend that the Administrator Settings should only be changed by the system administrator or authorized users.

• *Job Accounting*
• *Operation Panel Message*
• *Administrator Password*

Note: The **Administrator Settings** dialog box appearance and options may vary depending on your printing system.

Job Accounting

Job Accounting settings are specified by the system administrator to implement an accounting system for assessing charges or other budgetary or tracking applications. The accounting system can help manage or restrict the printing volume by department, group or individual. For further details, contact your system administrator or authorized users.

Note: For further details, see Job Accounting in the *Operation Manual* on the Document Library CD-ROM.

Operation Panel Message

You can specify settings to display the job name, user name, or department for the current job on the printing system's operation panel. The available settings may vary depending on the features of your printing system.

1 In the **Device Settings** tab, click **Administrator.**

2 The **Administrator Settings** dialog box appears.

Select the **Operation panel message** check box. Select from the following options to display at the operation panel during the printing of a job:

Option	Description
Display job name	Displays the job name during printing. The job name is the name sent from the application to the printer driver or it can be selected in the *Job* dialog box before printing.
Display user name	Displays the user name during printing. The user name is the information entered according to the instructions in *Identification* on page 2-5.
Display department	Displays the user group during printing. The group name is the information entered according to the instructions in *Identification* on page 2-5.

3 Click **OK**.

Administrator Password

By setting a password, you can protect and restrict the settings made in the **Administrator Settings** dialog box. Once a password is entered, all Administrator settings are disabled until the password is typed in the **Enter Password** dialog box.

Set the Password

1 In the Administrator Settings dialog box, select the **Password protect** check box to open the **Password** dialog box.
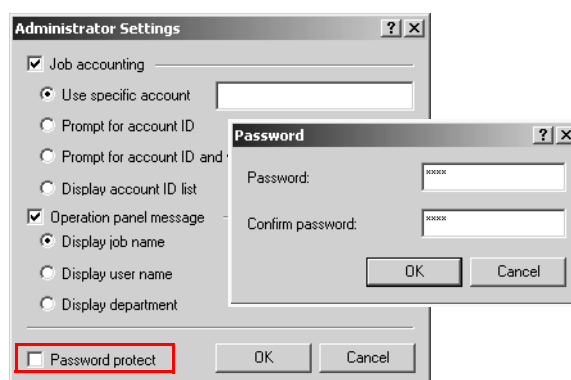
2   In the **Password** dialog box, enter the new password in the **Password** field. Reenter the password in the **Confirm password** field and click **OK**.

Note: Use a password from 4 to 16 characters.

Change the Password

1   In the **Device Settings** tab, click **Administrator.**

2   The **Enter Password** dialog box appears. Enter the password and click **OK**.
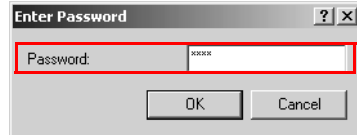
3   The **Administrator Settings** dialog box appears. Clear the **Password protect** check box. A **Password** message appears.
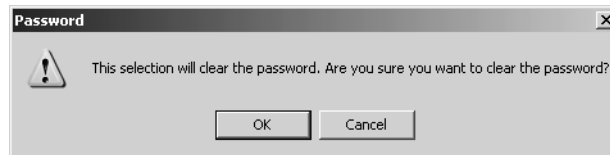
4   Click **OK**.

See *Set the Password* on page 2-9 to enter a new password.

Compatibility Settings

This feature supports compatibility for media source values unique to the printer driver, such as those for cassettes or feeders, so your newly installed Kyocera Extended driver maintains identical media source support with the driver it replaces, whether for a Kyocera driver or from another manufacturer. If media source macros exist for the older driver, then the alignment of media source values will maintain support without the need to change the macros.

Use the Driver Info utility, available on the Kyocera Software Library CD, to compare the source values for all installed drivers.

If the values for a given media source differ between the old and new printer drivers, reassign the value in the new driver to match the value in the previous driver.

Compatibility settings can be adjusted by clicking **Compatibility** in the **Device Settings** tab.

Note: Changing the device settings may result in printing errors. For further details on changing these settings, contact your nearest Kyocera dealer.

Device Compatibility

1   In the **Device Settings** tab, click **Compatibility.**

2   The **Compatibility Settings** dialog box appears. From the list in the **Media source enumeration** area, select the paper supply method.
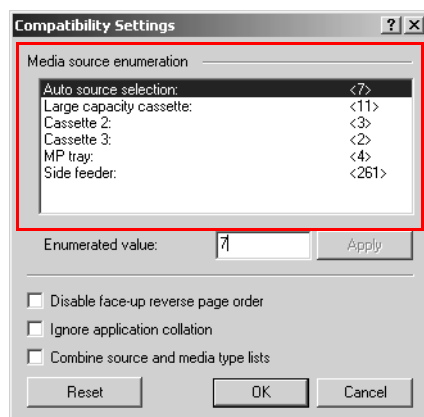
The current value is listed in the **Enumerated value** box.

3   Enter a new Enumerated value for the media source and click **OK**. You can also restore all the parameters to the default by clicking **Reset**.

The other options in the **Compatibility Settings** dialog box vary depending on model. Options can include:

Combine source and media type lists   This option changes the **Basic** tab of **Printer Properties** so that **Media type** and **Source** are combined into one box, labelled **Source**.

Enable manual duplex on network port   Use this option if you do not have a duplex unit and you want to print using *Manual Duplex* (see *page 3-10*).

Disable face-up reverse page order   This options prevents reverse order printing if face up output is selected.

Ignore application collation   Use this option to bypass the **Collate** setting in the application, and give priority to the printer driver setting.

Auto Configuration

Auto configure detects the installed device options on the printing system if it is connected over a network. This button appears in the **Device Settings Properties** page. It can detect devices including finishers, paper feeders, side feeders, high-capacity feeders, hard disk and RAM disk, tandem unit, booklet stitcher, and duplex unit.

Auto Configure can detect printing system devices such as input devices, output devices, RAM disk size, and hard disk size. Then it updates the **Device options** list in the **Device Settings** properties page. Auto Configure keeps the printer driver's **Device Settings** consistent with the actual printing system devices.

Auto Configure currently supports these ports for Microsoft Windows operating systems:

- Windows 98 & ME – KPrint ports (Raw mode, LPR, and IPP) only
- Windows NT 4.0 – KPrint ports (Raw mode, LPR, and IPP) only
- Windows 2000 – TCP/IP Ports and KPrint Ports (Raw mode, LPR, and IPP)
- Windows XP – TCP/IP Ports only

TCP/IP port can be either an IP address or the printing system name (Host name).

Note: Auto Configuration is not supported for Microsoft Windows 95.

Click **Auto Configure**. An "in progress" message will appear.
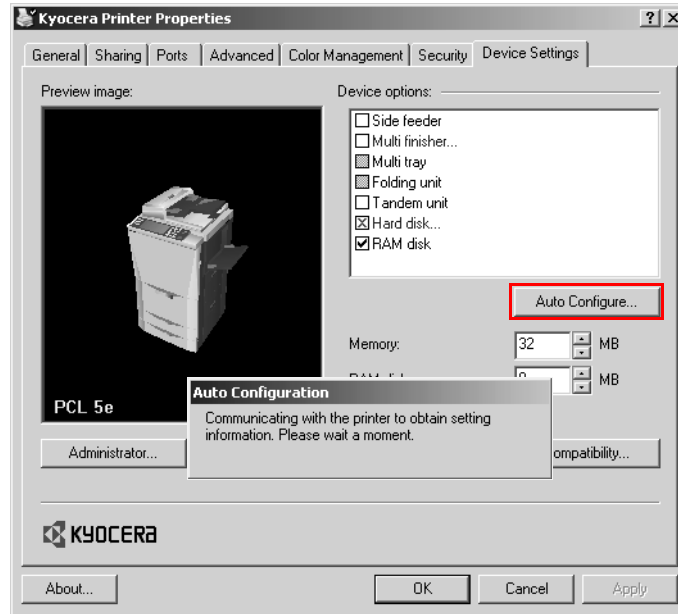
The check box settings in the **Device options** list will be changed and the 3D image will be updated according to the device options installed. Memory and RAM Disk information will also change based on the setting information returned.

Under the following conditions the Auto Configure tool cannot communicate with the printing system:

• The printing system is powered off or is in the middle of the startup process. In such cases, Auto Configure will display the following message after the time out.
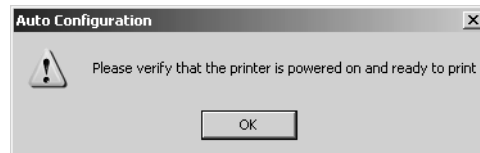
• The Windows XP firewall prevents the communication. It generates the following message:

The Microsoft Windows XP Firewall settings can be changed to allow communication between the printing system and your computer. The default setting for Windows XP Service Pack 2 is for the Windows Firewall to be set to **On**.

When the Windows Security alert shown above appears, click **Unblock** to allow communication between the printing system and your computer.

When you click **Unblock**, Auto Configure is added to the Windows Firewall exception list, as shown in the example below. The Windows Firewall is accessed through the Control Panel.
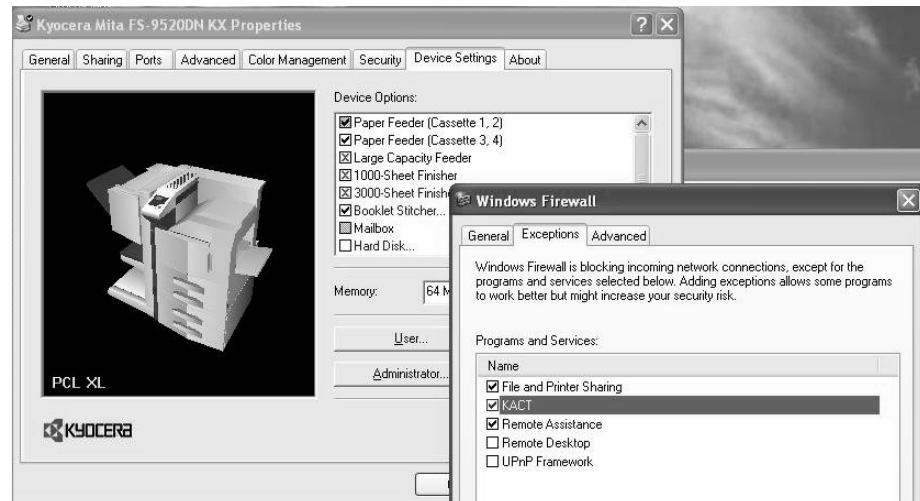
3 Printing Basics

This section describes the following printing tasks when printing from Microsoft Windows applications.

- *Basic Printing Tasks*
- *Printing on Paper of Non-Standard Sizes*
- *Duplex Printing*
- *Reverse Order Printing*
- *Collating Modes*

Basic Printing Tasks

The steps required to print a document created with an application are explained below. You can select the printing paper size and output destination.

Note: The **Print** dialog box does not look the same in every application.

Basic Printing

1 Insert the proper paper size (such as A4) into the printing system's paper cassette or MP tray.

2 From the application's **File** menu, select **Print**. The **Print** dialog box appears.
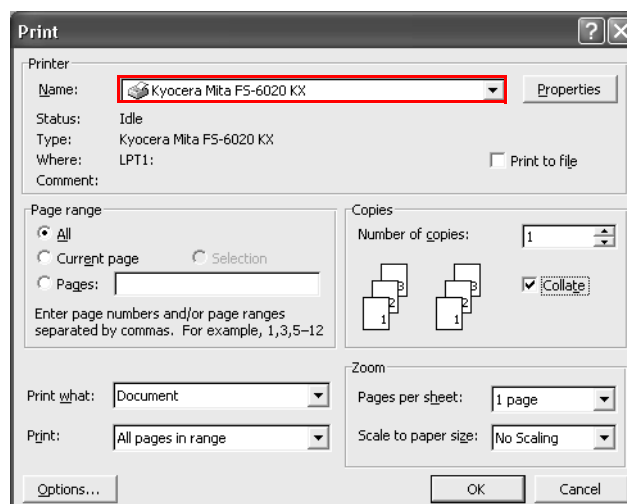
3 Select the desired printing system from the list of available printing systems.

4 Specify the number of copies to print in the **Number of copies** field. You can print up to 999 copies. When printing two or more copies, enable the **Collate** check box for collation. Number of copies and Collate can also be specified in the Basic tab

If **Ignore Application Collation** is selected in the **Compatibility Settings** dialog box, the **Print Collate** setting will not be applied. See *page 3-16* for further information.

When using Microsoft Word, we recommend that you click **Options** and for default tray select **Use printer settings**.
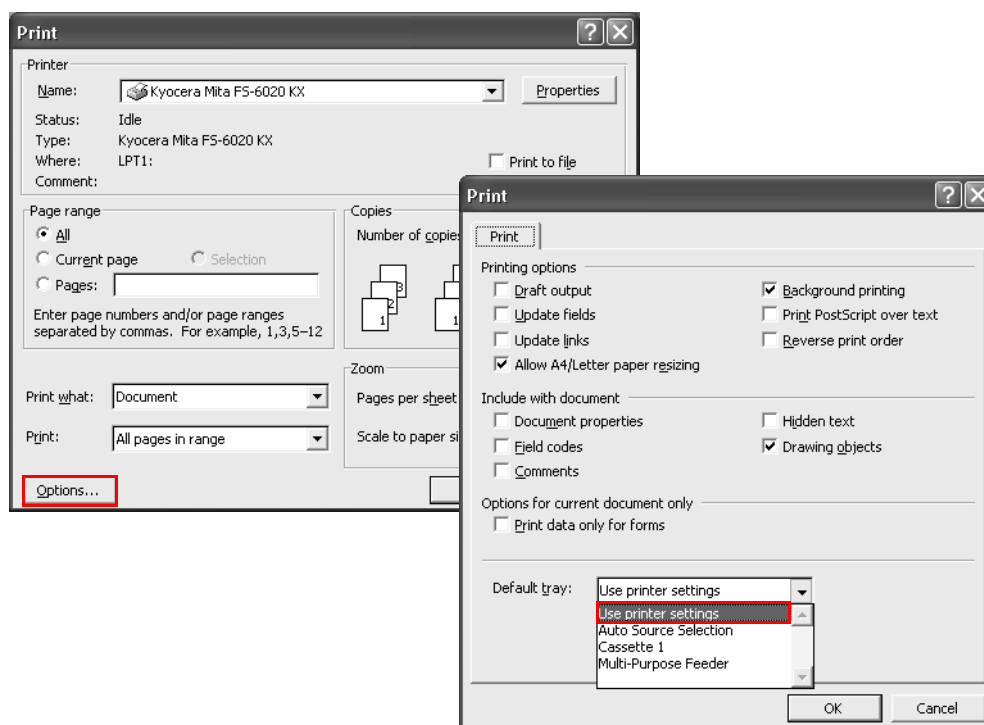
5 Click **OK**.

6 Click **Properties** to open the **Properties** dialog box.
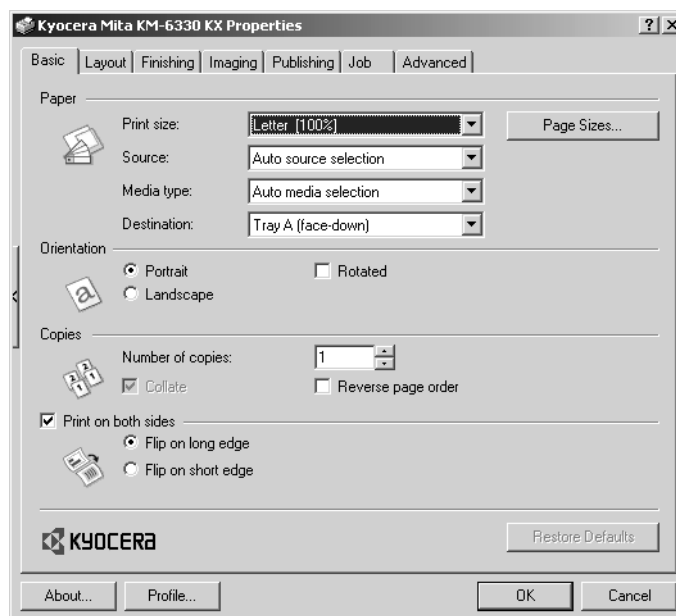
7 In the **Basic** tab, click **Page Sizes** to open the **Page Sizes** dialog box. In the **Select page size** list, select a page size for the print job.
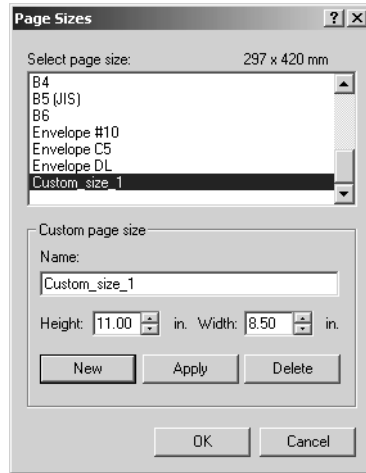
8 Click **OK** to return to the **Basic** tab. Click **OK** to return to the **Properties** dialog box.

For best results when printing on transparencies or recycled paper (the back side of paper which has already been printed on), from the **Media type** list select the media type. For further details, see *Media Types* on page 3-5.

The printing system automatically selects the paper size that matches the size specified above. A message appears requesting you to load paper into the MP tray if the proper paper size is not available.

9 Click the **Source** list to specify the paper cassette for printing.

10 Choose either **Portrait** or **Landscape** to match the document page orientation. You can rotate the document 180 degrees by selecting the **Rotated** check box.

11 Click **OK** to return to the **Print** dialog box.

12 Click **OK** to start printing.

Print Sizes

This section describes how to print documents of different sizes than the original document. The document image is adjusted to match the size you select.

1 In the **Properties** dialog box, from the **Basic** tab click **Page Sizes**.

2 In the **Page Sizes** list, select the document's paper size and click **OK**.
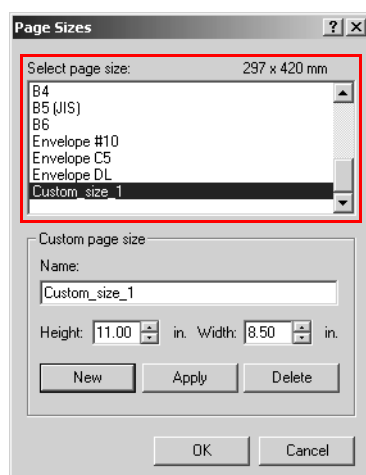
3 In the **Basic** tab, click the **Print Size** list and select the preferred output paper size.
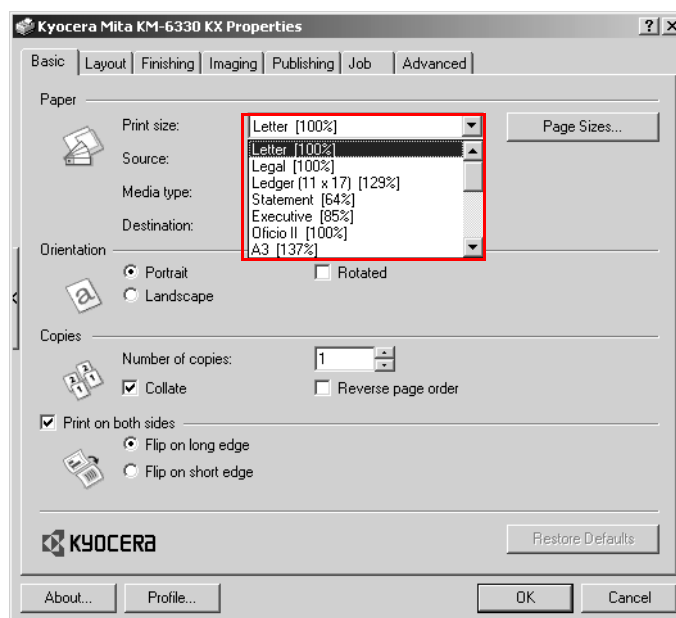
4 Confirm that the proper paper size is loaded. Click **OK** to return to the **Print** dialog box.

5 Click **OK** to start printing.

The source document is automatically scaled to fit the output paper size.

If you would like to manually input the Scaling percentage, see *Scaling And Gutters* on page 4-7.

Multiple Pages Per Sheet

You can print by arranging multiple pages of the source document on a single sheet of paper. When this function is enabled, **Poster** and **Scaling** are unavailable.

1 In the **Properties** dialog box, click the **Layout** tab.

2 Click the **Multiple pages per sheet** check box.

3 Specify the number of source pages in the **Pages per sheet** list. You can select the horizontal direction for the page layout using **Layout**.
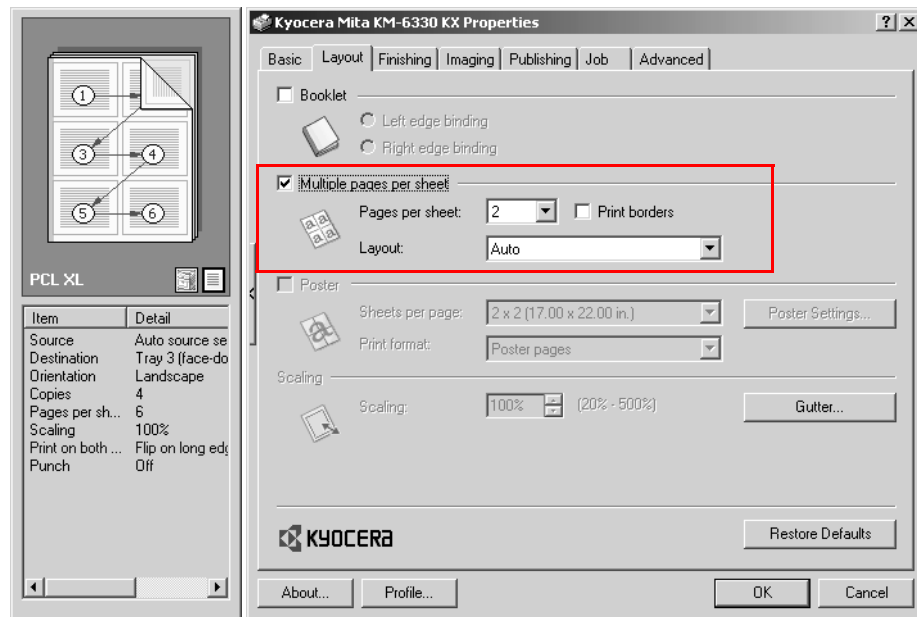
If you select six pages per sheet, then six pages are printed on a single sheet as shown in the dialog box in the example above. If **Auto** is selected for layout, pages are arranged from the top left corner to the bottom right corner.

Selecting the **Print Borders** check box displays and prints the page borders of each page.

> **Note:** When KPDL is set for the PDL, printing may be affected in some applications. Change the setting to PCL XL or PCL 5e, or set **Passthrough** mode in the KPDL mode settings to **Off**. For further details on changing the PDL, refer to *Page Description Language (PDL)* on page 2-6.

Media Types

The printing system automatically selects the paper size specified in the **Page Sizes** setting in the **Basic** tab by default when you are printing on regular paper. However, the printing system supports a wide variety of printing media depending on your printing system model.

You can specify the media type in the **Media type** setting for auto media selection selection when using non-standard types of printing media, such as recycled paper, labels, or transparencies. You can also specify the finishing settings for best results. Automatic selection of media types can be disabled in the PCL XL settings dialog box. For further details, refer to *Page Description Language (PDL)* on page 2-6.

Labels, transparencies, and envelopes must be printed using the MP tray. Ensure the paper is properly loaded by following the instructions outlined in the supplied printing system's *Operation Guide*.

Note: The default setting is for **Source** and **Media type** to be separate, but it is possible to combine them using a setting in **Compatibility Settings**. If they are combined, the **Media type** list is not available. To change this setting, open **Printer Properties** from the Microsoft Windows **Printer and Faxes** window, go to **Device settings** and then **Compatibility Settings,** and then uncheck **Combine source and media type lists**.

When paper is properly loaded in the paper cassette, the printing system can automatically detect the paper size. However, it is necessary to use the operation panel on the printing system to assign the media type of the paper cassette so that the printing system can recognize it. The steps to specify the media settings are listed below.

1 Load the paper in a paper cassette or the MP tray.

Note: Use the MP tray in cassette mode (the default). For further details on MP tray modes, refer to the printing system's *Operation Guide*.

2 Specify the media type at the operation panel on the printing system.

3 Open the **Properties** dialog box.

4 Select the document paper size from the **Print Size** list.

5 From the **Media type** list, select the type of media for printing, then click **OK**.
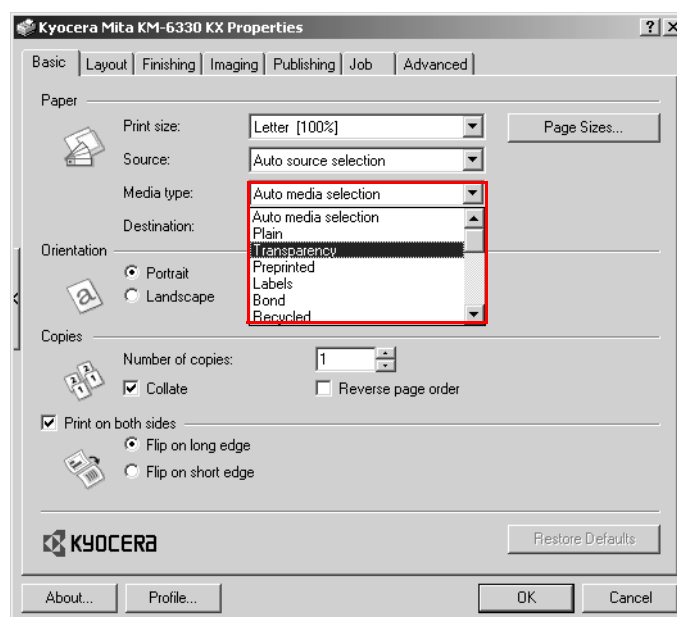
Options available in the **Media type** list are as follows.

Media Type	Usable Paper Cassettes
Plain 64 to 90 g/m^2	All
Transparency	Multi-purpose tray (MP tray)

Media Type	Usable Paper Cassettes
Preprinted	All
Labels	Multi-purpose tray (MP tray)
Bond (securities)	All
Recycled	All
Vellum Less than 64 g/m^2	All
Rough 90 to 200 g/m^2	Multi-purpose tray (MP tray)
Letterhead	All
Color 64 to 90 g/m^2	All
Prepunched	All
Envelopes	Multi-purpose tray (MP tray)
Card Stock	All
Thick	Multi-purpose tray (MP tray)
High quality	All
Custom (1-8)	Refer to *Operation Guide*

Once printing begins, the printing system automatically selects the paper to match the paper size and specified media type.

If the paper loaded does not match the size, type, or both, a message appears requesting you to load paper in the MP tray.

Printing on Paper of Non-Standard Sizes

To use custom sizes of paper in your printing system, you must first define the custom paper sizes in the **Properties** dialog box.

Note: For custom paper, supply the paper using the universal (adjustable) paper cassette or the MP tray.

Custom Paper Sizes

1 Load the custom paper into the printing system. For further details, refer to the printing system's *Operation Guide*.

2 Click **Start** in the Windows taskbar and then select **Printers and Faxes.** The **Printers and Faxes** window appears.

Note: Windows 98/Me/2000: Open the printer driver properties by clicking **Start** in the Windows taskbar and then selecting the **Printers** window.

3 Right-click the printer icon and select **Properties** to open the **Properties** dialog box.

4 Click **Printing Preferences** to open the **Printing Preferences** dialog box.

5 Click **Page Sizes**. The **Page Sizes** dialog box appears.
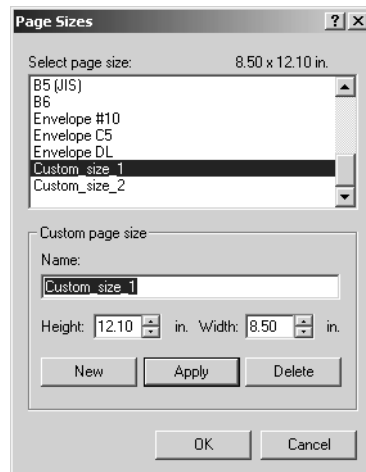
6 Click **New**. "Custom_size_1" will appear in the **Name** field. Replace Custom_size_1 with the name for your new custom paper size. The name can be up to 31 characters.

7 Enter the measurements in the **Height** and **Width** boxes in millimeters or inches.

Size limits for custom paper are listed in the table below.

Size	Cassette	MP tray	Duplexer unit
Minimum (A4 printing systems)	148 × 210 mm (5.8 x 8.3 inches)	70 × 148 mm (Portrait)	148 × 216 mm
Maximum (A4 printing systems)	216 × 356 mm (8.5 x 14 inches)	216 × 356 mm (Portrait)	216 × 356 mm
Minimum (A3 printing systems)	148 × 210 mm (5.8 x 8.3 inches)	70 × 148 mm	148 × 210 mm
Maximum (A3 printing systems)	297 × 450 mm (11.7 x 17.7 inches)	310 × 458 mm	297 × 431.8 mm
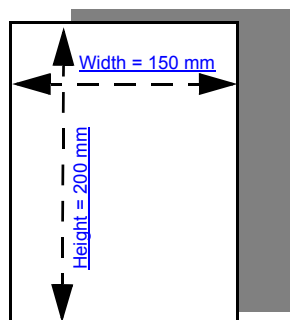
Sample Paper Measurements (150 mm x 200 mm)

8 Click **OK**.

Repeat the steps above if you want to add other custom paper sizes. A maximum of 20 different paper sizes can be added.

Printing with Custom Paper Sizes

1 Select **Print** from the File menu. From the applications's **Print** dialog box, open **Print Properties**.

2 In the **Basic** tab, select the name of your saved paper size in the **Print Size** list.

3 Select the source cassette for the custom page size from the **Source** list.

4 Click **OK** to return to the **Print** dialog box.

5 Click **OK** to start printing.

Duplex Printing

This section describes how to enable the duplex printing option. In order to activate this printing option, the duplex unit must be installed, and additional memory may be required depending on the printing system model. For further details, refer to your printing system's *Operation Guide*. For information on Booklet printing, see *Booklet Printing* on page 4-2.

In the table below, the paper sizes and media types are not available for duplex printing:

Paper size	Media Type
A3 wide	Transparencies
A6	Labels
B6	Thin paper
Postcards	Envelopes
Double postcards	Postcards
Envelopes	
Western size 2 (114 × 162 mm)	
Western size 4 (105 × 235 mm)	

Print on Both Sides

1 Select **Print** from the **File** menu from the applications's **Print** dialog box, open **Properties**.

2 From the **Basic** tab, select **Print on Both Sides**. Choose **Flip on Long Edge** or **Flip on Short Edge**.
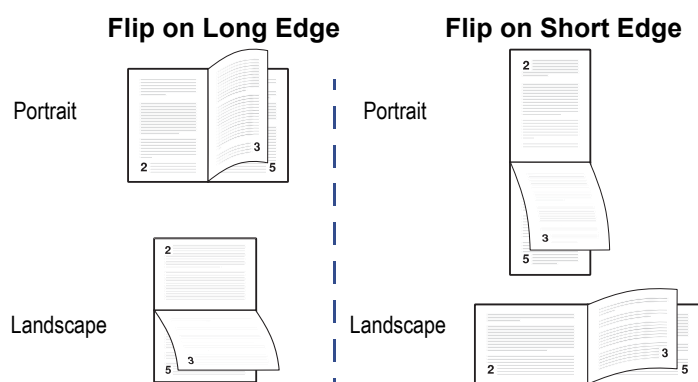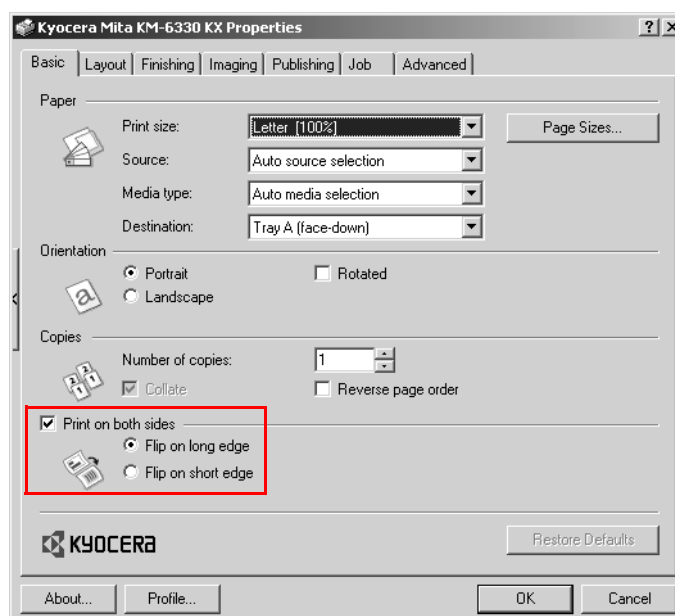
3 Click **OK** to return to the **Print** dialog box.

4 Click **OK** to start printing.

Manual Duplex

Manual duplex enables printing on both sides of a sheet by ordering the print job so that after the first half of the print job has been printed, the job can be flipped over and fed from the cassette for the second side printing. Manual Duplex is available in some models that do not have a duplex unit. Manual Duplex is not available when any of the options in the **Advanced** tab are used.

The steps for using Manual Duplex may vary, depending on your printing system, what accessories are installed, and what application you are printing from.

The **Print** dialog boxes of some applications allow you to print just the odd or even pages so that you can use manual duplex, as shown in the examples below.
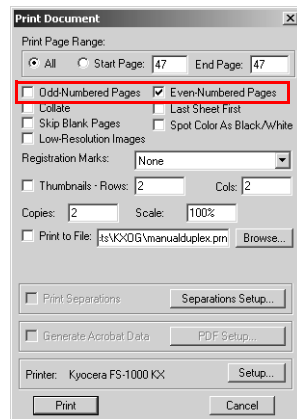
Adobe Framemaker
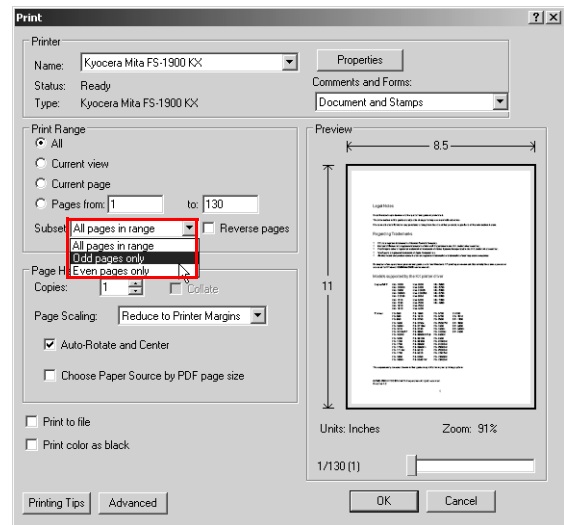
Adobe Acrobat
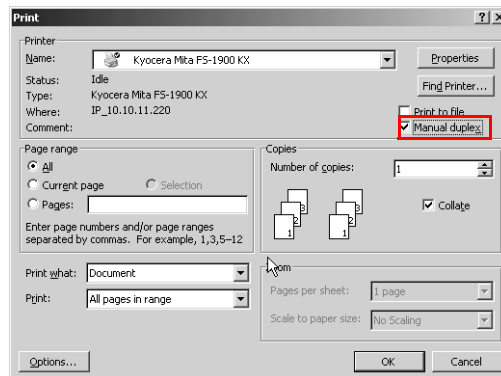
Microsoft Word

The Microsoft Word **Print** dialog box has a **Manual Duplex** check box, as shown above. When this option is selected, the odd pages are printed and then a message (shown below) appears telling the user to flip the printed pages over and re-insert them in the input bin of the printing system.
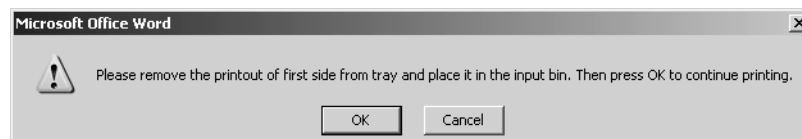
Some Kyocera printing systems have a manual duplex setting in **Printing Properties**, in the **Basic** tab. Instructions for using this method for manual duplex printing are below. If the **Properties** or **Preferences** dialog boxes for your printing system don't have manual duplex settings, look for an option to print just odd or even pages in the **Print** dialog box of the application you want to print from, as shown above.

Manual Duplex Settings

• The printing system must be set to a local port.

- OR -

• The **Source** selection must be **Cassette 1** or **Cassette 2**.

When using a network port, select **Enable manual duplex on network port** in the **Compatibility Settings** dialog box, accessed from the **Device Settings** tab. Manual Duplex cannot be used on a network port in Windows 9x. See *Compatibility Settings* on page 2-10 for instructions on changing compatibility settings.
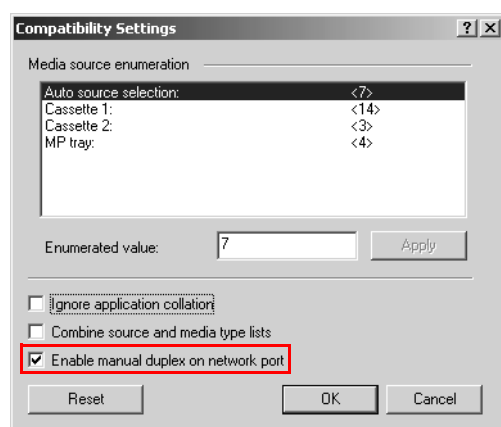
Print on Both Sides

1 In the **Basic** tab, select Cassette 1 or Cassette 2 from the **Source** list.

2 Select the **Print on both sides (manual duplex)** check box.
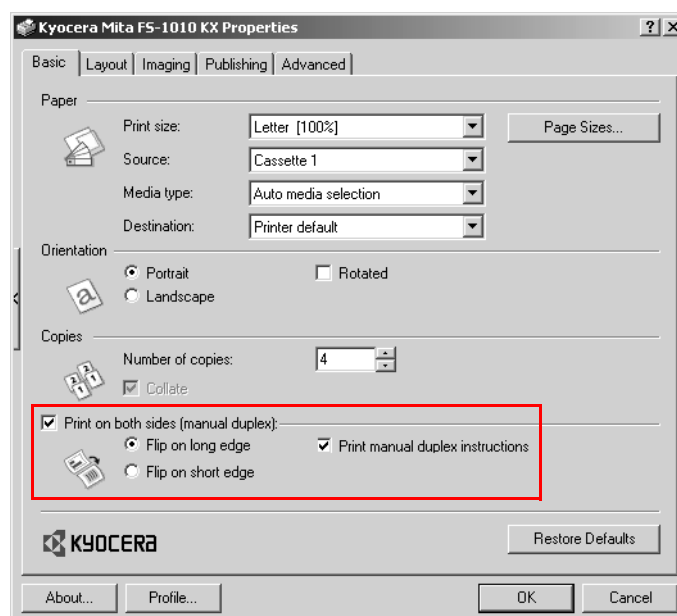
3 Select **Flip on Long Edge** or **Flip on Short Edge**.

4 Select **Print manual duplex instructions** to print an instruction sheet. Follow the printed instructions for placing the pages back into the cassette after the first side is printed.

- OR -

Clear **Print manual duplex instructions** and follow steps 5-7.

5 Click **OK** in the **Properties** dialog and **Print** dialog.

The even-numbered pages will be printed.

6 When printing stops, remove all printed sheets from the output tray.

With **Flip on Long Edge** selected, turn the stack over on the long edge and put the pages into the cassette.

With **Flip on Short Edge** selected, turn the stack over on the short edge and put the pages into the cassette.

7 Click **OK** in the **Manual Duplex Instruction** dialog box.

The odd-numbered pages will be printed.

Reverse Order Printing

Prints document pages in reverse order, from the last page to the first.

The reverse order printing function places the order of pages into reverse numerical order as shown below.
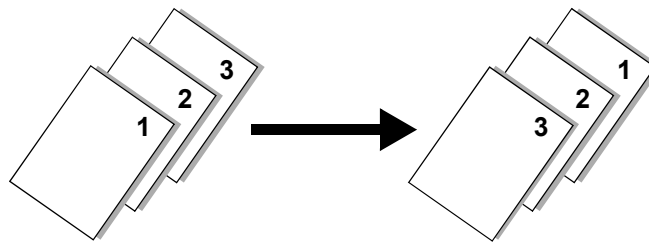
Print Pages in Reverse Order

1 Open the **Properties** dialog box.

2 From the **Basic** tab, select the output tray from the **Destination** list.

3 Select **Reverse page order**. If **Reverse page order** is not present, you can change the **Destination** output tray to enable this feature.
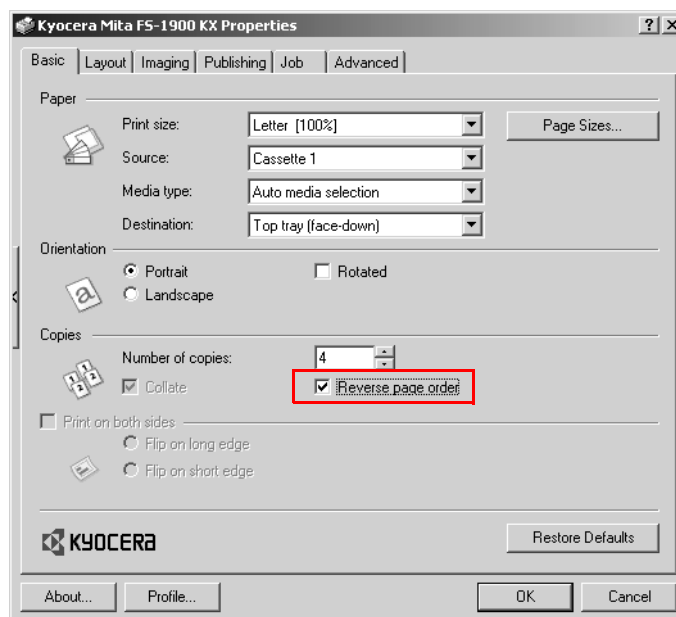
4 Click **OK** to return to the **Print** dialog box.

5 Click **OK** to start printing.

Collating Modes

By attaching a sorter to your printing system, you can specify how printed documents are stacked in the output trays after printing.

The number of output trays and their receiving capacity (the number of sheets) varies depending on the sorter model. Refer to your sorter's *Operation Guide*.

Frequently, the application settings are given priority, causing a change in the sorter output method depending on the application. Verify these settings before printing your documents.

Sorter Modes

There are three sorter modes to choose from. These modes are selected in the **Basic** tab:

Collating

Tray 1 →
Tray 2 →
Tray 3 →
Tray 4 →
Tray 5 →

Page 2 | Page 2 | Page 2
Page 1 | Page 1 | Page 1
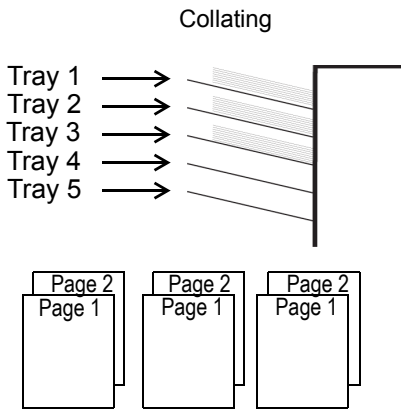
• Collating produces the specified number of copies as complete sets of documents in each tray.
• The document is printed following the page order and received in each tray. The number of document copies must not exceed the number of trays. If a tray becomes full, the printing system pauses and displays a message to remove the paper from the tray. After the paper is removed, printing resumes for the remaining number of copies.
• This function requires a hard disk installed in the printing system or a RAM Disk. For setup information, refer to *RAM Disk* on page 2-4.

Non-collating

20 copies of page 1

Tray 1 →
Tray 2 →
Tray 3 →
Tray 4 →
Tray 5 →

20 copies of page 4

Page 1 | Page 2 | Page 3
Page 1 | Page 2 | Page 3
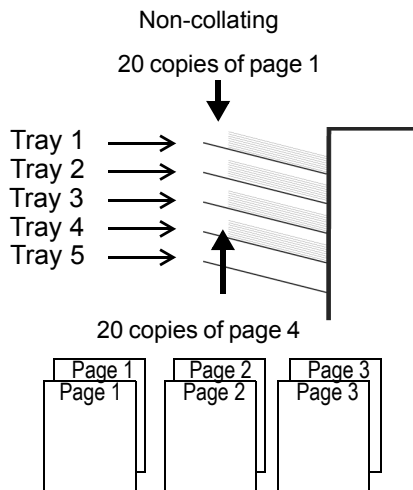
• Non-collating mode produces the specified number of copies but divides the document for output in each tray, with page 1 in tray 1, page 2 in tray 2, and so on. For example, printing 20 copies of a four page document using grouping produces 20 copies of page 1 in tray 1, 20 copies of page 2 in tray 2, and so on.
• The number of document copies must not exceed the sheet capacity of any tray. If a tray becomes full, the printing system pauses and displays a message to remove the paper from the tray. In addition, the maximum document page length must not exceed the number of sorter trays. If a tray becomes full, the printing system pauses and displays a message to remove the paper from the tray.

Mailbox

Tray 1
Tray 2
Tray 3
Tray 4
Tray 5
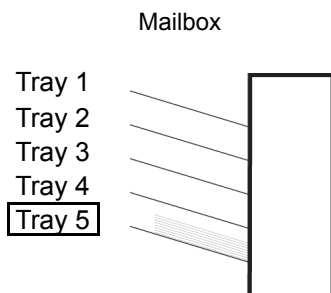
• The mailbox mode sends copies to specified user trays, which is useful when the printing system is shared among different users. For example, specifying tray 5 sends the printed document to tray 5.
• If a tray becomes full, the printing system pauses and displays a message to remove the paper from the tray.
• Mailbox is not available on all printing system models.
• Mailbox is a physical mailbox and is different from Virtual Mailbox (see *Virtual Mailbox* on page 8-8.)

Collate

1 Open the **Properties** dialog box.

2 From the **Destination** list, select a face-down destination, such as **Finisher (face-down)** or **Top Tray (face-down)**.
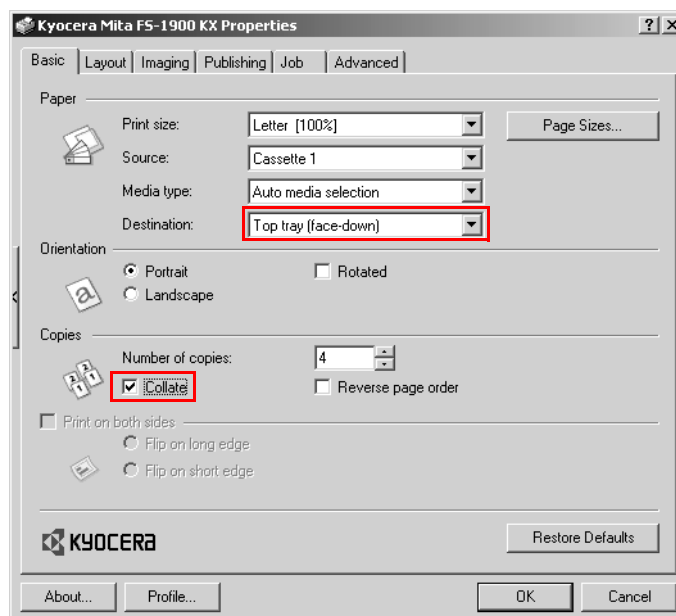
3 Select the **Collate** check box.

4 Select the number of complete sets in the **Number of copies** box. When printing using the collate option, specify the number of copies not to exceed the number of trays. The document page length must not exceed the tray capacity (for example, 200 sheets).

5 Click **OK** to return to the **Print** dialog box, and click **OK** to begin printing. The specified number of copies are produced in separate trays.

Non-Collating

Clearing the **Collate** check box produces page 1 in tray 1 and page 2 in tray 2.

1 Open the **Properties** dialog box.

2 From the **Destination** list, select **Finisher (face-down)** or **Top Tray (face-down)**.

3 Clear the **Collate** check box.

4 Click **OK** to return to the application's **Print** dialog box and begin printing. The specified number of copies of each page of the document are delivered to each tray.

4 Layout

In the **Layout** tab you can arrange document data on printed pages without changing the original document.

- **Booklet** prints a multi-page document in a book format that can be folded and stapled.
- **Multiple pages per sheet** prints more than one document page on a single sheet.
- Use **Poster** to print a large banner on several sheets of paper.
- **Scaling** increases or decreases the print size.
- **Gutter** increases the left or top margin, to make a booklet or hole punch pages easier to assemble and read.

Booklet

Use the **Booklet** option to print a two-page layout on both sides of each sheet of paper. You can then fold and bind the booklet in the center. Booklet printing is available for printing system models equipped with a duplex unit. For further details, refer to *Installing Optional Devices* on page 2-1.

You can use optional document finishers to fold and staple the booklet. For further details on **Staple** settings, refer to *Staple* on page 5-1.

The supported paper sizes for Booklet printing are A3, B4, A4, A5, B5 (JIS), ledger, letter, legal, statement, and folio. Booklet printing can be used with Cover mode to add a cover to the booklet. For further details, refer to *Printing with Covers* on page 7-1.
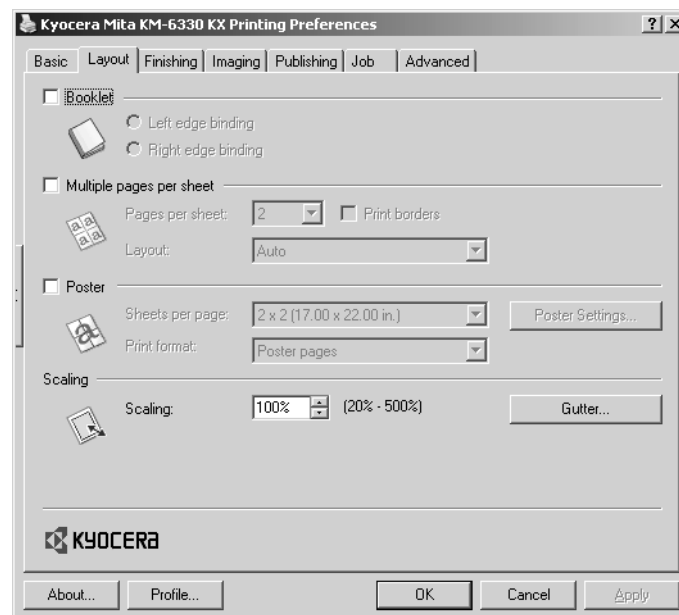
Left Edge and Right Edge Binding

Select left edge or right edge binding of the booklet to match the direction of your written language:

- Select **Left edge binding** for languages that read left to right.
- Select **Right edge binding** for languages that read right to left.

Left Edge Binding
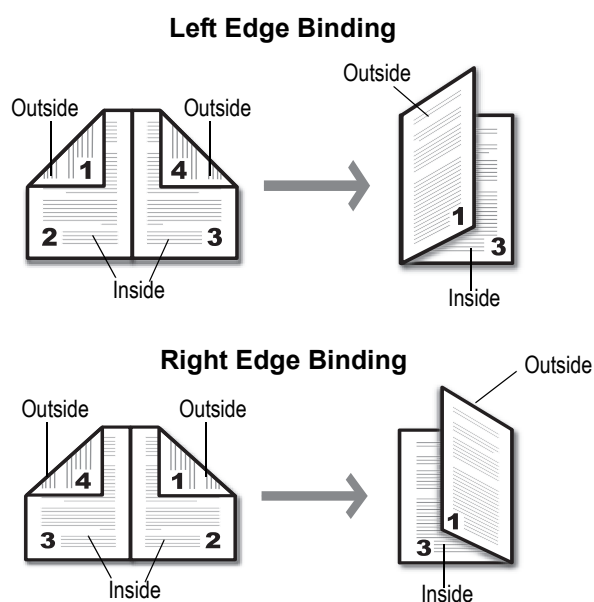
Right Edge Binding

Booklet Printing

1 Select **Print** from the **File** menu. From the applications's **Print** dialog box, open **Print Properties**.

2 Click the **Layout** tab.

3 Select **Booklet**.
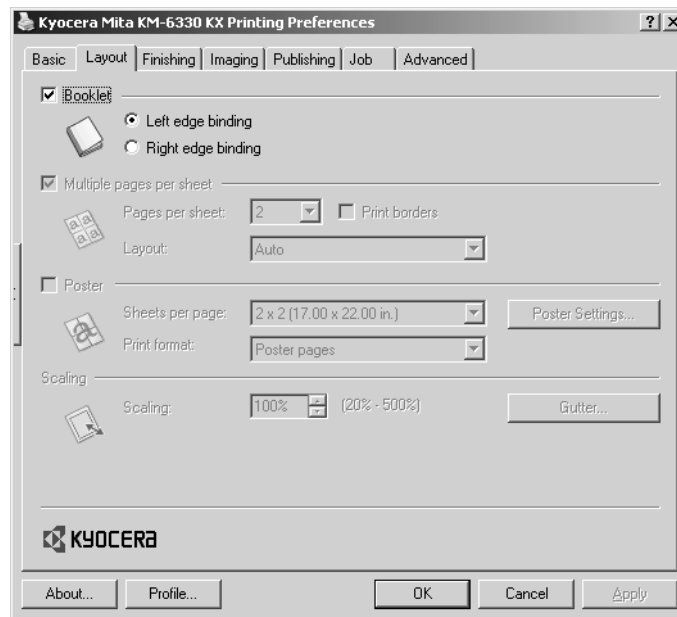
4 Choose either **Left edge binding** or **Right edge binding**.

Complete the following steps to use the stapling feature:

5 Click the **Basic** tab, and under **Destination**, select a face down finishing tray.

If the **Staple** check box is not available in the **Finishing** tab, change the setting for Destination in the **Basic** tab to an output tray that has a stapler.

6 Select the number of copies to print.

7 Click the **Finishing** tab, and select the **Staple** check box. Booklet (fold) is selected automatically.

For models using an optional folding unit, select Folding tray as the output Destination in the **Basic** tab. The Finishing tab will display Booklet (fold).

8 Click **OK** to return to the **Print** dialog box.

9 Click **OK** to start printing.

Multiple Pages Per Sheet

You can print multiple pages of the source document on a single sheet of paper. Pages can be ordered in a variety of ways, and a border can be printed around each document page.

1 From the application's **Print** dialog box, open **Properties**. (Select **Print** from the **File** menu, and select **Properties**.)

2 Click the **Layout** tab.

3 Select **Multiple pages per sheet**.

4 Select the number of source pages in the **Pages per sheet** list, from 2 to 25 pages.
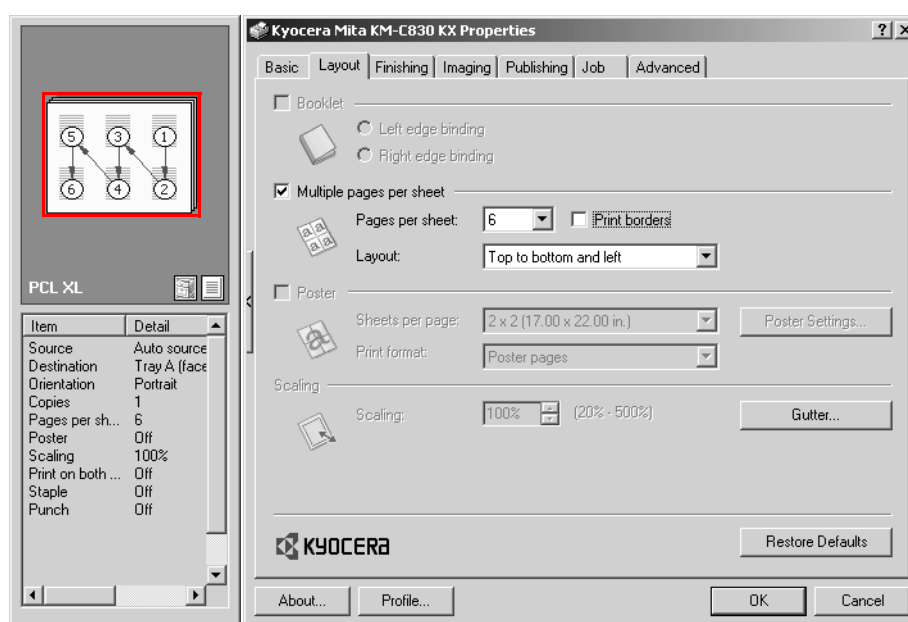
5 Select the horizontal and vertical direction for the page layout from the **Layout** list.

Examples: If you select six pages per sheet and select **Top to bottom and left**, the pages will be arranged from the top right corner to the bottom left corner.

If **Auto** is selected, the pages will be arranged from the top left corner to the bottom right corner.

6 Select the **Print borders** check box to print a border around each document page.

Note: Note: When KPDL is selected as the page description language, printing may be affected in some applications. Change the page description language selection to PCL XL or PCL 5e/c, or turn off the KPDL setting Allow data passthrough (clear the check box in the KPDL Settings dialog box). For further details on changing the page description language, refer to *PDL Settings* on page 2-6.

Poster

You can print a document in a larger size than the paper supported for the printing system. The **Poster** feature allows you to increase the print size, print portions of the

document on several sheets of paper, then assemble the sheets into a large banner, up to 25 times larger than the original document.
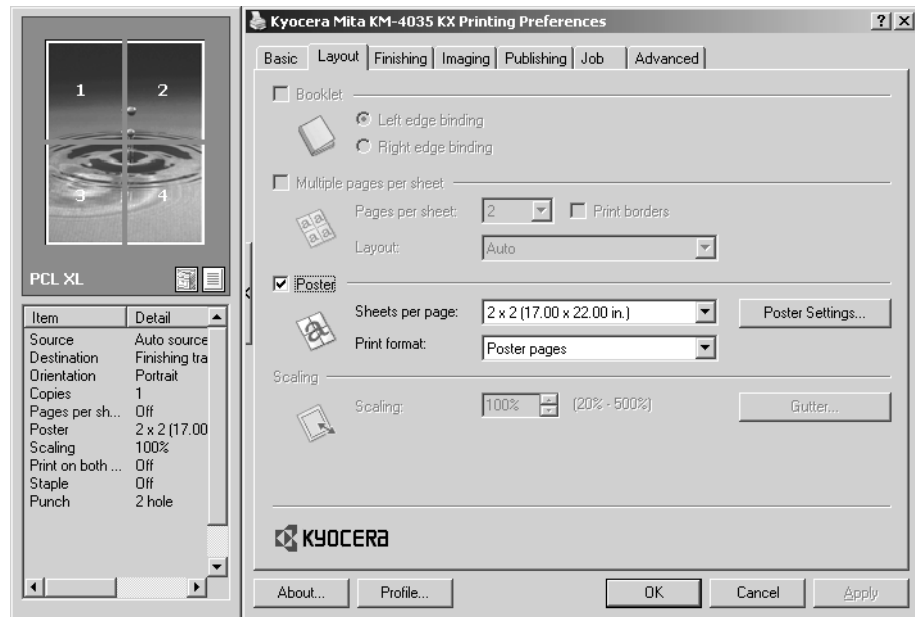
Sheets Per Page

In the **Sheets per page** list, select the size of the desired poster, in relation to the original document size. The list displays the number of sheets to be printed and the maximum poster size. The final size may be reduced slightly depending on selections made in the Poster Settings dialog box. For further details, refer to *Poster Settings* on page 4-6.

Available Poster Sizes

- Select 2 x 2 to print a poster 4 times larger than the original.
- Select 3 x 3 to print a poster 9 times larger than the original.
- Select 4 x 4 to print a poster 16 times larger than the original.
- Select 5 x 5 to print a poster 25 times larger than the original.

| 2 x 2 | 3 x 3 | 4 x 4 | 5 x 5 |
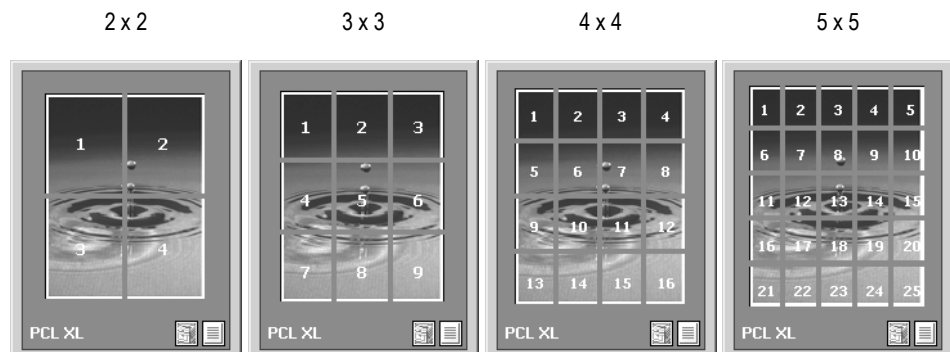
The dimensions displayed after each option are based on the selected **Page size** in the **Basic** tab. For further details on selecting a page size, refer to *Basic Printing Tasks* on page 3-1.

The unit (inches or millimeters) is selected in the User Settings dialog box, accessed from the Device Settings tab. For further details on changing the unit, refer to *User Settings* on page 2-4.

Print Format

If you are new to poster printing, you may want to print a proof sheet, in addition to the poster, to guide you in assembling the printed poster sheets. The proof sheet displays all poster pages on one sheet with markings that show how to assemble the sheets. Under Print format:

• Select Poster pages to print only the sheets of the poster.
• Select Proof sheet to print only a one-page proof sheet.
• Select Poster pages and proof sheet to print all poster sheets and a one-page proof sheet.

Poster Settings

To make it easier to create a poster, you can print visual cues on the poster sheets that provide help in cropping and assembling the pages. In the Layout tab, click the Poster Settings button to open the Poster Settings dialog box.

You can use any combination of the following options in the **Poster Settings** dialog box.

• Overlap edges

Select this option to duplicate the edges of document data on adjoining sheets. Poster appearance is improved when the edges overlap slightly. Select the check box, then type or select a value between 0.00 and 1.20 inches (0.0 and 30.4 mm). This option will reduce the final poster size slightly.
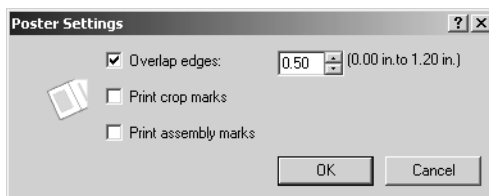
• Print crop marks

Select this option to print a border at the edges of each poster sheet. You can crop each sheet on the border before assembling the sheets. This option ensures that data on adjoining sheets will match precisely.
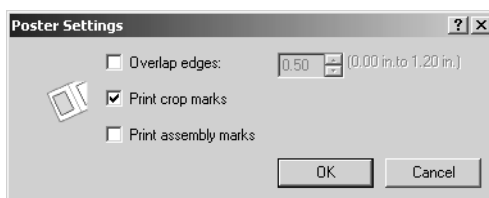
• Print assembly marks

Select this option to print numbers at the edges of each sheet, matching numbers on adjoining sheets. Assemble each sheet edge to the same numbered

edge on another sheet. For a large poster with many sheets, this option ensures that the poster will be assembled correctly.
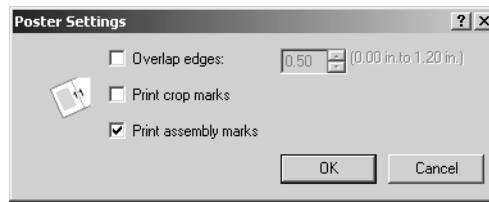
Scaling And Gutters

Based on the page size and print size specified in the **Basic** tab, you can reduce or enlarge the image from 20% to 500% of the original size, or increase the top or left margin, before printing.
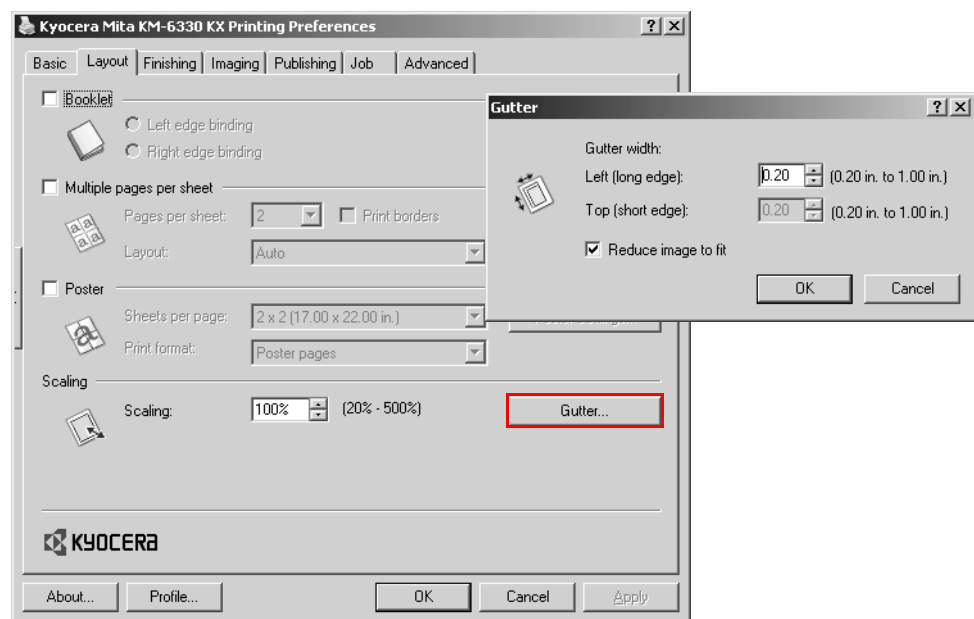
Scaling

Click the **Layout** tab in the **Properties** dialog box, and enter the scale percentage into the **Scaling (20-500%)** box, or click the up or down arrow buttons to adjust the value.

Gutter

Click Gutter to increase the outside margins in a range from 5.0 to 25.4 mm (0.20 to 1.00 inch). The left and/or top margins can be adjusted. This is useful when you want to add extra margin space to the page for staples or hole punches. When used with duplex printing, the enlarged gutter lines up evenly on both sides of the sheet. For further details on duplex printing, refer to *Duplex Printing* on page 3-9.

• To increase outside margins on the left side of the page, enter a number into the Left box. The Left option may not be available, depending on your Orientation and Print on both sides settings in the Basic tab.

- To increase outside margins at the top of the page, enter a number into the Top box. The Top option may not be available, depending on your Orientation and Print on both sides settings in the Basic tab.
- Since the Gutter feature shifts document data to the right or down, select the Reduce image to fit check box if the printed data extends beyond the edge of the paper when changing the gutter setting. The size of the printed data is decreased slightly to fit in the printable margins of the page.
- If the document data is small enough that it will not extend beyond the edge of the paper when the gutter is increased, clear the check box.

When you want to change the page size (for example, to enlarge an A4-size brochure for printing on A3 paper), refer to *Print Sizes* on page 3-3.

5 Finishing

This chapter describes the use of finishing equipment. The Finishing tab is available for models that support optional finishing devices such as Multi finisher or Booklet stitcher.

Note: For some features in the **Finishing** tab, the ⚠ symbol is displayed when the feature is unavailable. Place the pointer over the symbol for a message that tells how to activate the feature in the driver.

- Staple binds multiple document pages together with one or more staples.
- Punch places round hole punches in the margin.
- Separation physically separates document copies or multiple copies of a print job in the finishing tray.

Staple

The **Staple** feature is available on printing systems with an optional finishing device installed. If a Booklet stitcher is installed, the Booklet printing feature is available. For further details, refer to *Booklet* on page 4-1.
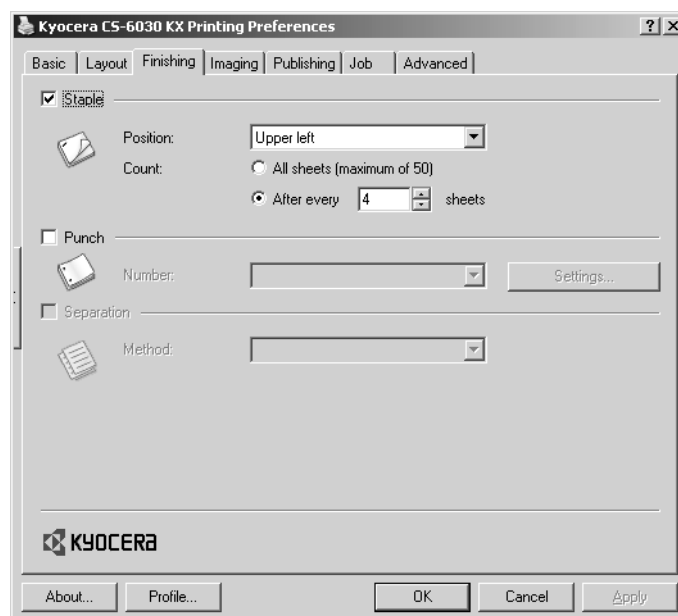
After installation, optional equipment must be selected in the printer driver in the **Device Settings** tab. For further details, refer to *Installing Optional Devices* on page 2-1.

Note: Staple and Separation features cannot be used simultaneously.

Using the Stapler

1 From the application's **Print** dialog box, open **Properties**. (Select **Print** from the **File** menu, and select **Properties**.)

2 In the **Basic** tab, under **Destination**, select a face down finishing tray, such as **Finisher (face down)** or **Tray A (face down)**.

3 Click the **Finishing** tab, then select **Staple**.

4 Select one of the available stapling positions: **Upper left**, **Upper right**, or **Booklet**. (Some models support multiple booklet positions.)

Note: You can increase the left or top margin to provide additional space for stapling by using the Gutter feature in the **Layout** tab. See *Scaling And Gutters* on page 4-7.

5 Select how many pages to staple together under **Count**:

Note: The maximum number of sheets that can be stapled varies, depending on the selected Page size or Media type.

- **All sheets** (maximum of [--])
  Staples all document sheets up to the displayed limit. If the document being printed has more than the maximum number of sheets, it the maximum number will be stapled, and the remainder will be stapled separately.
  For example, If the maximum is 50 and the document has 58 sheets, the first 50 sheets will be stapled together, and the last eight will be stapled together.
- **After every [--] sheets**
  Select this option to divide the document into sets, with a specified number of sheets in each set, then staple each set separately. You can designate from 2 sheets up to the limit displayed under **All sheets**. If the final set has fewer sheets than the limit, it will be stapled.
  For example, if stapling has been specified after every 20 sheets for a document that has 58 sheets, the print job will be stapled in sets of 20, 20, and 18 sheets.

6 Click **OK** to return to the **Print** dialog box.

7 Click **OK** to start printing.

The final printed document will be stapled and delivered to the output tray.

For further details about stapler specifications, refer to your finishing device's *Operation Guide.*

Punch

The **Punch** feature is available on printing systems with an optional finishing device installed. This feature places hole punches along the edge of the printed pages, so that the pages can be bound together or placed in a binder. Punch cannot be used when **Booklet** is selected in the **Layout** tab.

Note: Not all finishing devices support the punch feature. For further details, refer to *Installing Optional Devices* on page 2-1.

Using Hole Punch

1 From the application's **Print** dialog box, open **Properties**. (Select **Print** from the **File** menu, and select **Properties**.)

2 In the **Basic** tab, under **Destination**, select a face up or face down finishing tray.

3 Click the **Finishing** tab, then select **Punch**.
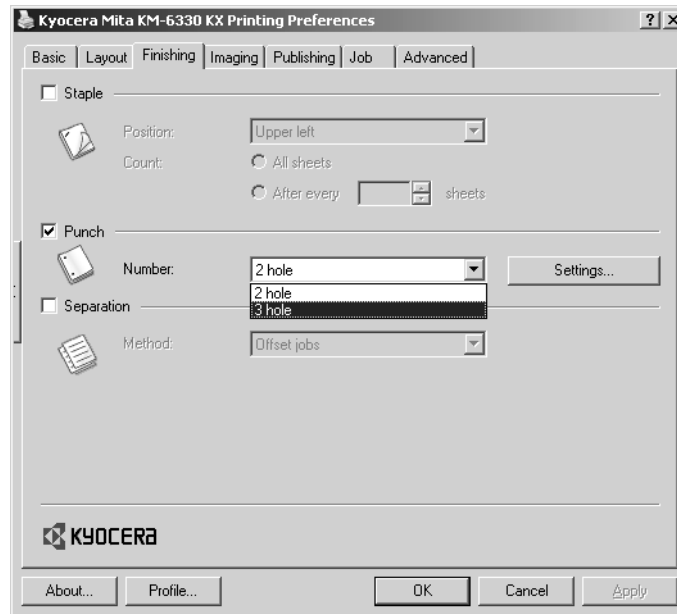
4 Select the number of hole punches: 2 hole, 3 hole, or 4 hole. Available punch options are set in the **Device Settings** tab and depend on the punch unit installed. For further details, refer to *Installing Optional Devices* on page 2-1. For information on positioning the hole punches, refer to *Positioning the Hole Punch* below.

   • For metric specification, use 2 hole and 4 hole punch options.
   • For inches specification, use 2 hole and 3 hole punch options.

5 Click **OK** to return to the **Print** dialog box.

6 Click **OK** to start printing.

   The print job will be punched by the finishing device and delivered to the output tray.

   For further details about hole punch specifications, refer to your finishing device's Operation Guide.

Positioning the Hole Punch

Note: Some models do not support the punch position option.

1 With **Punch** selected in the **Finishing** tab, click the **Settings** button.

2 In the **Punch Position Settings** dialog box, select where to place the hole punches on the page: **Left**, **Right**, or **Upper**.

3   Click **OK** in the **Punch Position Settings** dialog box.

4   Click **OK** to return to the **Print** dialog box.

5   Click **OK** to start printing.

The print job will be punched by the finishing device and delivered to the output tray.

> **Note:** Each sheet will be punched separately. When sheets are stacked, the holes may not line up exactly.

You can increase the left or top margin to provide additional space for hole punches by using the Gutter feature in the Layout tab. For further details, refer to *Scaling And Gutters* on page 4-7.

Separation

When multiple copies of a print job are printed, they can be difficult to separate in the output tray. The Separation feature stacks copies so that one can be clearly distinguished from another. Available options are:

•   **Offset jobs** physically shifts each print job in the output tray.
•   **Rotate copies** stacks each copy of a print job at right angles in the output tray.

> **Note: Offset jobs** and **Rotate copies** will not be available at the same time. Some models do not support both options.

Offset Jobs

Offset jobs physically shifts each print job in the output tray. This feature requires an optional finishing device such as a Booklet stitcher or Multi finisher. For further details, refer to *Installing Optional Devices* on page 2-1.

> **Note:** To ensure consistent offset stacking, all users printing to the same printing system should select Offset jobs as the default setting. For further details, refer to *Printer Properties* on page 2-1.

1   From the application's **Print** dialog box, open **Properties**. (Select **Print** from the **File** menu, and select **Properties**.)

2   In the **Basic** tab, under **Destination**, select a face down finishing tray, such as **Finisher (face down)** or **Tray A (face down)**.

3 Click the **Finishing** tab, then select **Separation**. The **Offset jobs** option is selected.
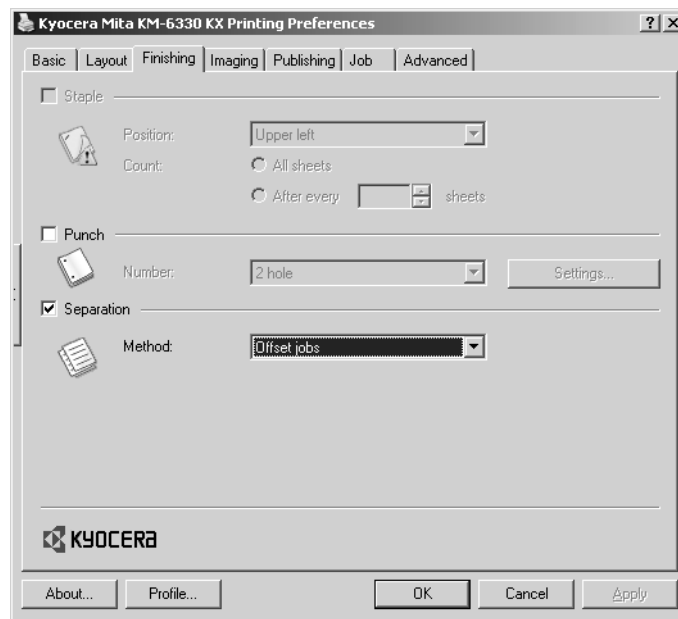
4 Click **OK** to return to the **Print** dialog box.

5 Click **OK** to start printing.

Your print job will be stacked in the output tray, offset from other jobs in the same tray.

Rotate Copies

Rotate copies stacks each copy of a print job at right angles in the output tray. This feature requires the following:

- A Hard disk must be installed or a RAM disk enabled. For further details, refer to *Installing Optional Devices* on page 2-1.
- Paper size selections are limited to Letter, A4, or B5 (JIS).
- The selected paper size must be loaded into two paper sources, one horizontally and one vertically.
- The print job must contain multiple pages and be specified to print multiple copies.

1 From the application's **Print** dialog box, open **Properties**. (Select **Print** from the **File** menu, and select **Properties**.)

2 In the **Basic** tab, under **Destination**, select an option that is not a finishing tray, for example: Printer default or Inner tray.

3 Select a number of copies greater than 1.

4 Click the **Finishing** tab, then select **Separation**. The **Rotate copies** option is selected.

5 Click **OK** to return to the **Print** dialog box.

6 Click **OK** to start printing.

Your print job will be stacked in the output tray with each copy alternating horizontally and vertically.

6 Imaging

The **Imaging** tab contains options for print job **Quality** and **Grayscale** for monochrome models. Color models offer these features plus **Color** adjustments.

Print Quality

1 From the **Print** dialog box of the application, click **Properties**.

2 In the **Properties** dialog box, click the **Imaging** tab.

3 Select a **Print quality** from the list.

4 If you select **Custom** as the **Print quality**, next to the list click **Custom Quality** to open the **Custom Quality Settings** dialog box.

Print Quality	
Option	**Description**
High quality	Prints using the highest printing system resolution.
Proof (monochrome printers only))	Prints using the second highest printing system resolution.
Draft	Prints at a resolution of 600 dpi.
Custom	Choose your own combination of settings for **Resolution**, **Kyocera Image Refinement**, and **EcoPrin**t.

Custom Print Quality Settings

You can select one or more **Custom Quality Settings**:

- **Resolution**
- **Kyocera Image Refinement**
- **EcoPrint**

These settings can extend the life of toner cartridges by adjusting print resolution to reduce the amount of toner used.

Note: The availability of EcoPrint on color printers depends on the printer model and PDL (Page Description Language). To view or change PDL settings, in the Windows Printers and Faxes folder, right-click the icon for your printing system and select **Properties.** Click the **Device Settings** tab, then click **PDL**. For some color printer models, Kyocera Image Refinement is only available for monochrome printing.

| Custom Option	Description
Resolution (monochrome printers only)	The number of dots printed in one inch. At higher resolutions more detail appears in the print job. Select Fast 1200 mode, 600 dpi, or 300 dpi. Printer models FS-1800, FS-1800+, and FS-3800 support Fine 1200 mode.
Kyocera Image Refinement (KIR)	Smooths the outlines of text and vector graphics. For color printers, this option is only available when printing in monochrome mode.
EcoPrint	Reduces the amount of toner placed on the printed page, and extends the life of the toner cartridge, making EcoPrint both economical and ecological. Because toner saturation is reduced, the text and graphics appear lighter in the print job. EcoPrint does not increase print speed. For some color models, the EcoPrint options are: **Off**, **75%**, or **50%**.

Fonts

The **Fonts** feature lets you specify how TrueType fonts are sent to the printing system. The chosen method will affect the speed and quality of the print job.

Note: All of Kyocera's device fonts are TrueType fonts: do not disable them in the driver.

1 Click **Fonts** to open the **Font Settings** dialog box.
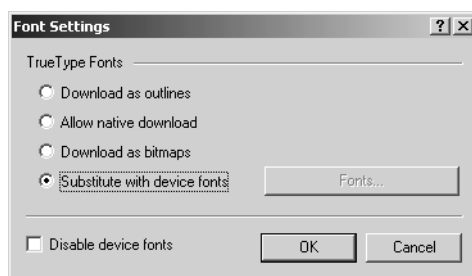
2 Select one of the methods for sending TrueType fonts, and then click **OK** to save your selection:

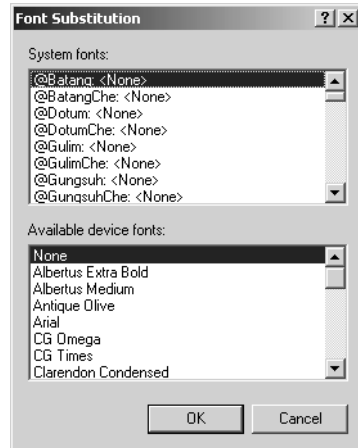| Fonts	
Option	**Description**
Download as outlines	Useful when using multiple fonts and font sizes.
	For large documents. Print speeds will be faster because of the optimization features in this setting. The repetition of similar font data sent to the printing system will be reduced, thereby increasing the print speed.
	Print speed will not be increased when using Asian fonts such as Japanese, Chinese, and Korean, because of the large amount of font information used for these particular fonts.
Allow native download	Improves text quality and increases print speed by converting TrueType fonts to Adobe Type 42 font format. This feature is available when **KPDL** is selected in the **PDL Settings** dialog. From the **Device Settings** tab, click **PDL** and select **KPDL**.
Download as bitmaps	Bitmap downloading provides more detail, however it creates large file sizes.
	Select under these circumstances:
	• For print jobs with very small fonts (point size 1-4), user-defined fonts, or Asian fonts.
	• For operating systems with fewer TrueType system fonts (Microsoft Windows 3.1, Windows 98 and Millennium Edition), non-TrueType fonts can only be downloaded as bitmaps.
Substitute with device fonts	System fonts and device fonts are automatically matched based on typeface name. To match a specific device font with a system font, select **Substitute with device fonts**, then click **Fonts** to open **the Font Substitution** dialog box.
	Select under these circumstances:
	• To increase print speed and efficiency.
	• To change a font found throughout a large document. This selection replaces the old font with the desired font.

> **Note:** GDI compatible mode does not support **Substitute with device fonts**.

Font Substitution

With **Substitute with device fonts** selected as the font setting, click **Fonts** to open the **Font Substitution** dialog box.

The **System fonts** list shows the fonts installed on your computer. The printing system fonts are listed in the **Available device fonts** list. Select the system font then the available device font to be substituted. If the device font does not have similar font characteristics to the system font, character spacing in the document will appear incorrect.

Disable Device Fonts

In some cases, the printing system substitutes fonts even if you send the TrueType fonts as outline fonts or bitmap images. Select **Disable device fonts** to prevent substitution of device fonts for TrueType fonts.

When printing with AutoDesk or Adobe applications and Microsoft Office versions older than Office 2000, select **Disable device fonts** to overcome device font limitations with these applications. Device fonts are normally visible in application font lists as printer icons next to the font name, unless there are equivalent system fonts, in which case the "TT" TrueType icon remains.

This option also improves portability of printable data. (If cleared, device fonts may not match when sent to a different printing system.)

The **Substitute with device fonts** option is disabled If **Disable device fonts** is selected.

Graphics

From the **Imaging** tab, click **Graphics** to open the **Graphics Settings** dialog box. Choose your graphics settings, and then click **OK** to save your selections.

> **Note:** Some options are available only when a specific PDL is selected. To view or change PDL settings, in the Windows Printers and Faxes folder, right-click the icon

for your printing system and select **Properties.** Click the **Device Settings** tab, then click **PDL**.
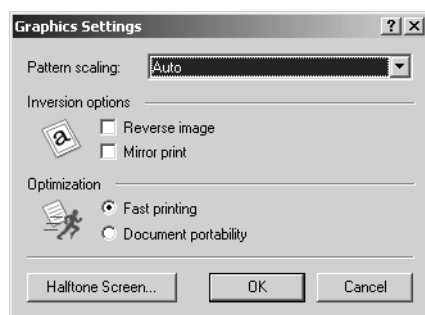
Pattern Scaling

Adjust the pattern scaling to improve visual compatibility between screen and print output.

If printed patterns and fills do not match the appearance of that on the screen, use this feature to select a different print density.

Pattern Scaling	
Option	**Description**
Auto (default setting)	In most cases, this option prints patterns and fills to match the on-screen appearance.
Coarse	Prints patterns and fills with the fewest number of lines, patterns, or dots. Coarse is the same as Auto when **PCL XL** or **PCL 5e/c** is selected in the **PDL Settings** dialog box.
Medium	Prints patterns and fills with a greater number of lines, patterns or dots than the Coarse setting. Medium is the same as Auto when **KPDL** is selected in the **PDL Settings** dialog box.
Fine	Prints patterns and fills with the greatest number of lines, patterns, or dots. Printed patterns and fills may appear more dense than the on-screen appearance

Inversion Options

Inversion options are available when **KPDL** is selected in the **PDL Settings** dialog box.

| Inversion options	
Option	**Description**
Reverse image	Prints images like a photo negative, reversing black and white areas of the image.
Mirror print	Prints the page content backwards, as it would appear in a mirror image.

Optimization

Optimization selections are available when **KPDL** is selected in the **PDL Settings** dialog box.

Optimization	
Option	**Description**
Fast printing	Delivers images in binary format. Fast printing decreases spool size and increases print speed. Use it for most everyday printing needs.
Document portability	Creates a PostScript file in ASCII text encoding. Unlike the binary format created in Fast printing, the ASCII text created with this selection can be edited.

Halftone Screen (Monochrome Printing Systems Only)

An experienced user can adjust Halftone Screen settings to create shades of gray in graphic images. The Halftone Screen process breaks down the image into dots. Larger dots spaced close together create darker shades, and smaller dots spaced farther apart create lighter shades. Shading can be varied by adjusting the number of rows of dots, the angle at which rows of dots are placed, and the shape of the dots.

Halftone Screen is available only when **KPDL** is selected in the Device Settings tab, in **PDL Settings**. If **GDI compatible mode** is selected in the **PDL Settings** dialog box, Halftone Screen is unavailable.
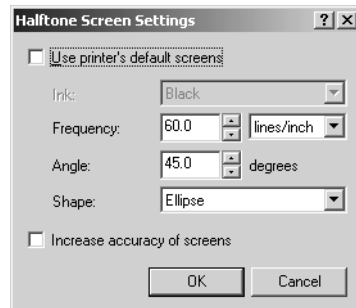
1 From the **Graphic Settings** dialog box, click **Halftone Screen**.

2 Clear the **Use printer's default screens** check box.

3 Select from the list for each option, or enter the values:

Halftone Screen	
Option	**Description**
Ink	Color used in the printed output. For Monochrome models, **Black** is the only available ink color.
Frequency	Number of rows of dots per inch or centimeter. Enter a numeric value in the **Frequency** text box, and select **lines/inch** or **lines/cm**.

Halftone Screen	
Option	**Description**
Angle	Select the angle at which rows are aligned. An angle is measured in degrees, ranging from -180 to +180.
Shape	Select the shape of the halftone dot. The choice for the best halftone shape depends on the pattern and number of colors for your image.
	Ellipse Resists optical jump, which is when areas of an image that should be smooth suddenly become darker. An ellipse shape provides a smoother gradation of tones. Choose for images with dark areas.
	Round Resists moiré formation and dot gain. Moiré formation is an unintended pattern that occurs when two or more colors are printed at the wrong angles. The correct angles depend on the number of colors being printed. Dot gain is when the halftone dots increase when printed, causing a moiré pattern. Choose for images with light tints and highlighted areas.
	Line Used for special effect. You can change the effect by selecting a different Angle.
Increase accuracy of screens	Uses a very precise halftone screen which provides better print quality, but may increase printing time.

Grayscale

Use the **Grayscale** options to adjust the appearance of graphics and text produced by monochrome printing systems, or by color models when the monochrome option is selected.

Grayscale	
Option	**Description**
Print text as black	Prints all color text as black. This is useful when you want to reduce the amount of data sent to the printer for color print jobs, which can provide faster printing. It is also useful for increasing the detail for light colored text printed by monochrome printers. White text and image colors are unaffected.
Print graphics as black	Prints all colors as black. This feature works for vector graphics only, and is most useful for CAD applications. Readability is improved for CAD blueprints because different colored objects print more clearly.
Gloss mode	Simulates high-gloss copies by adding a glossy appearance to printed text and images.

Grayscale adjustment settings let you change the **Brightness** and **Contrast** of graphics for monochrome printers. This feature is also available on color printer models when the monochrome option is selected. Grayscale adjustment settings are

useful if graphic images are printing too light, too gray, or too dark. Text remains unaffected.

1 Click **Adjustment** to open the **Adjustment Settings** dialog box.

A preview image in the dialog box illustrates any brightness and contrast changes.

2 Drag the **Brightness** slider right to lighten, or left to darken the graphic images of the print job.

You can also change brightness by entering a numeric value in the text box at the right. The brightest setting is +100; the darkest is -100. Zero is the default mid-level setting. Adjusting brightness is useful when graphic images are printing too dark or too light. Text remains unaffected.

3 Drag the **Contrast** slider right or left to increase or decrease proportion of light to dark in the graphic images of the print job.

A high contrast setting decreases the grayscale spectrum, making light grays lighter and dark grays darker. A low contrast setting increases the grayscale spectrum, making light grays darker and dark grays lighter.

You can also change contrast by entering a numeric value in the text box at the right. The highest contrast setting is +100; the lowest is -100. Zero is the default mid-level setting. Adjusting contrast is useful if graphic images are printing too gray, or too black and white. Text remains unaffected.

Color

Color Mode

Options in **Color Mode** let you choose how the printing system processes color matching for a print job. Color matching is the process of accurately and consistently converting RGB colors (colors as displayed on the computer monitor) to CMYK colors (colors as used for output printing). **RGB** is an acronym for **R**ed, **G**reen, and **B**lue. CMYK is an acronym for **C**yan, **M**agenta, **Y**ellow and Blac**k**.

Color mode offers the following options:

| Color Mode	
Option	**Description**
Color (CMYK)	Prints full four-color text and graphics.
Monochrome	Prints as black only, constraining all color settings. Click **Adjustment** to change the **Adjustment settings**. (For more information, see *Grayscale* on page 6-7.)
Custom	Select to make **Continuous tone** and **Gray component replacement** settings available.

Continuous Tone

For color models, the **Continuous tone** setting is available in addition to **Print text as black**, **Print graphics as black**, and **Gloss mode**.

Select **Continuous tone** to print a wide range of color with every shade of gray represented. It is the tone setting most associated with photographic images. **Continuous tone** is available when **Custom** is selected under **Color mode**.

Custom Color Mode Adjustment

To specify custom color settings:

1 Select **Custom** from the **Color mode** list.

2 Click **Adjustment** to open the **Adjustment Settings** dialog box. A preview image in the dialog box illustrates color changes.

3 Select **Custom 1**, **Custom 2**, or **Custom 3** from the **Custom color adjustment** list.

4 Click **Settings** to open the **Custom Color Adjustment** dialog box.

Crayons Saturation or RGB adjustment	Portrait Skin tone and mid-tone adjustment	Fruit Hue adjustment
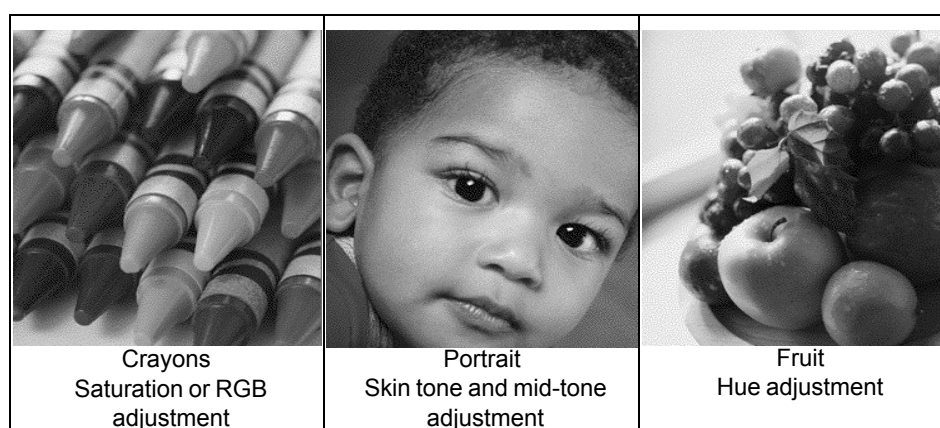
5 Select **HSL** (hue, saturation, lightness) or **RGB** (red, green, blue) as the color space to work with.

6 Click the arrow buttons beneath the photograph to select one of three different images. Since different colors are emphasized in each of the photographs, they can aid in the color adjustment process.

HSL (Hue, Saturation, Lightness)

1 Under **Select color space**, select **HSL (hue, saturation, lightness)**. HSL lets you adjust the full spectrum, brightness, contrast, and vividness of the color.

2 Adjust the distribution and balance of hues.

For coordinated hue adjustment, select **Master** from the **Modify** list. Drag the **Hue** slider to the right or left to increase or decrease the value between -180 and +180.

For specific hue adjustment, select **Red**, **Yellow**, **Green**, **Cyan**, **Blue**, or **Magenta** from the **Modify** list. Drag the **Hue** slider to the right or left to increase or decrease the value between -10 and +10.

The upper color bar indicates the adjustment made when the slider is dragged, or a value is typed in the box. The horizontal bracket above the upper color bar shows the part of the color bar affected by the adjustment.

The lower color bar provides a reference point to the color bar above it for **Hue Adjustment**.

3 Drag each slider to adjust the **Saturation**, **Lightness** and **Contrast** between -10 and +10. You can also type values in the boxes.

4 Click **Reset** if you want to return all HSL settings to zero.

5 Click **OK** to save the new HSL settings.

RGB

1 Under **Select color space**, select **RGB**. RGB adjusts only the relative values of the colors red, green, and blue.

2 Under each bar, drag the slider to adjust the relative values of **Red**, **Green**, and **Blue** between -10 and +10. You can also type values in the boxes.

3 Click **Reset** if you want to return all RGB settings to zero.

4 Click **OK** to save the new RGB settings.

Color Correction

Color Matching is used for greater consistency in color reproduction among various devices. It compensates for the different color spaces of color printing systems. Selecting and applying a set of profiles is called a color profile. Color Correction is unavailable when **Monochrome** is selected under **Color Mode**.

Click **Correction** to open the **Color Correction** dialog box. Select one of the color correction options. Options for **ICM** (Image Color Management) are available by

clicking **ICM Settings**. For more information see the section on ICM Color Correction.

Color Correction	
Option	**Description**
Automatic	Performs color matching according to the default color profile specified in the **Color Management** tab in **Properties**.
ICM (system corrected)	Specifies color rendering in the print job to make it as close to the original as possible. ICM technology relies upon associating an output device like a printing system with a Color Profile. An ICM Profile for a printing system contains information about rendering accurate color information for that device. The settings for ICM must be set in the **Color Management** tab in the printing system **Properties**. In Windows 2000 and XP, additional ICM rendering intent options are available under **ICM Settings**. **Note:** ICM technology is not supported in Windows 95 or Windows NT.
None (application corrected)	Processes the color data without applying the adjustments contained in the printing system's internal color look-up tables. Ink simulation will not be executed. This is useful if the application provides its own color correction.

Color Reproduction

1 In the **Color Correction** dialog box, select **Automatic**, then click **Color Reproduction**. (The **Color Reproduction** button is enabled only when **Automatic** is selected.)

2 In the **Color Reproduction** dialog box, select one **Mode**, then click **OK** to save the selection.

Color Reproduction	
Option	**Description**
Auto 1	For use in almost all cases, for printing generic documents.
Auto 2	Prints black text and graphs in black toner only.
Auto 3	Prints black text and graphs in four-color toner (CMYK).
Auto 4	Prints images and graphs similar to colors shown on the monitor.
Picture image	Prints images, text, and graphs similar to colors shown on the monitor.

Color Reproduction	
Option	**Description**
Text	Prints images, text, and graphs in vivid color (black prints with black toner only).
Chart (graphic)	Prints images, text, and graphs in vivid color (black prints with four-color toner (CMYK)).

ICM Color Correction

1 In the **Color Correction** dialog box, select **ICM (system corrected)**, then click **ICM Settings**.

2 In the **ICM Settings** dialog box, select one **Rendering intent**, then click **OK** to save the selection.

ICM Settings	
Option	**Description**
Optimize for exact color (Colormetric)	Select when colors must match precisely in all print jobs, such as colors in a corporate logo.
Optimize for color contrast (best for images)	Select for images or scanned photographs containing many colors or shades of color. Optimizes for color contrast by adjusting contrast to preserve detail throughout the tonal range.
Optimize for color saturation (best for graphs)	Select for graphs or charts containing solid colors. Optimizes for color saturation by adjusting hue to preserve the vividness of pure colors.

7 Publishing

> **Note:** The properties boxes described here may differ from those for your printing system and are dependent on what accessories are installed.

Cover Mode, Page Insert, and Transparency Interleaving

This section describes the Cover mode, Page insert, and Transparency interleaving features of the printer driver. When these options are used with the MP tray, cassette mode (the default setting), must be set. For further details, refer to the print system's *Operation Guide*.

- **Cover mode:** Adds a front or back cover to your document.
- **Page insert:** Inserts blank or printed pages before pages in your document.
- **Transparency interleaving:** Inserts a blank or printed page between each transparency.

Printing with Covers

For your document's front cover or front and back covers, you can insert and print on paper that is a different weight or color than the paper for the body of the document. You can also specify cover printing when completing booklet printing settings. The paper used for printing the document body is specified in the **Paper** settings in the **Basic** tab of the **Properties** dialog box. The source of the cover paper is specified by adjusting the **Media for cover** settings in the **Publishing** dialog box. You can also print on the covers.

A duplexer must be connected in order to print using the Front Inside or Back Outside. You must also specify **Print on Both Sides** in the **Basic** tab.

Although **Cover mode** and **Page insert** may be used simultaneously, they cannot be used with **Transparency interleaving** (described in *Transparency Interleaving* on page 7-8.).

For further details on printing with covers in the booklet printing settings, refer to *Booklet Printing* on page 4-2.

1 From the application's **Print** dialog box, open the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)

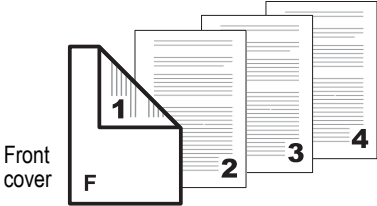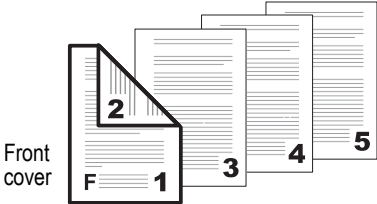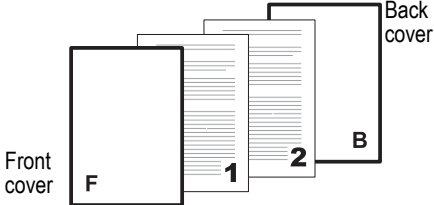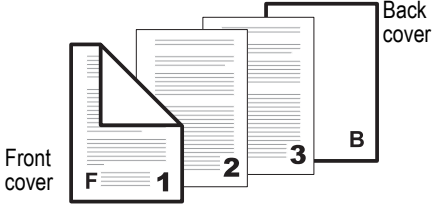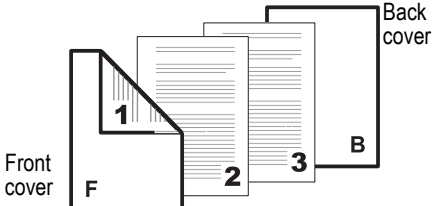**2** In the **Properties** dialog box, click the **Publishing** tab.

3 Select the **Cover mode** check box. Select from the page arrangements described in the table below.
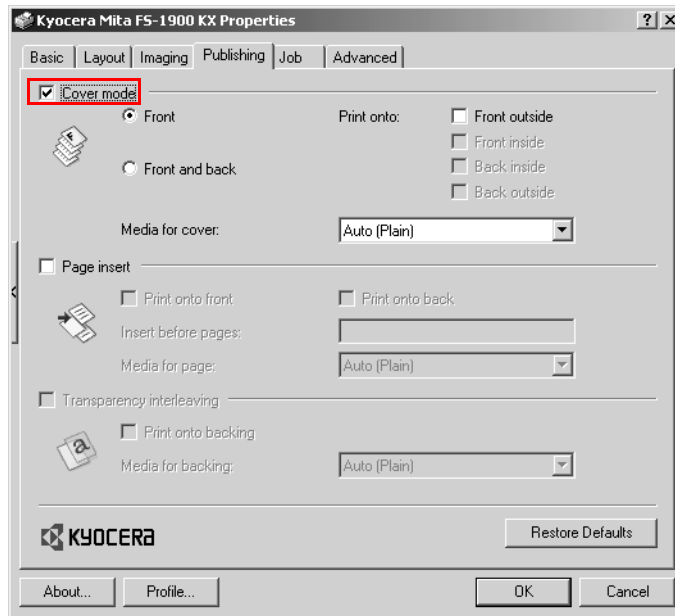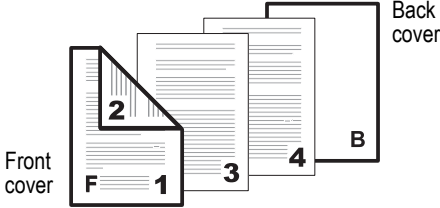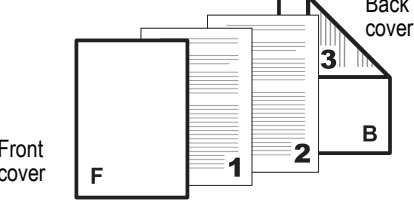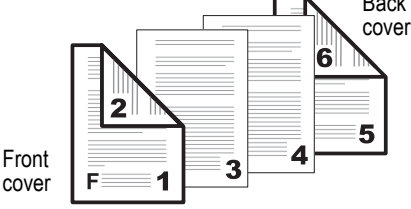
Cover Printing Options

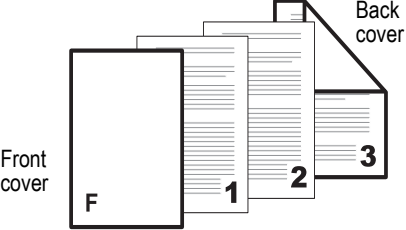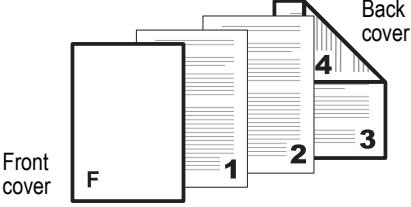| Check Box Selection	Cover Insertion Type
⊙**Front**	Inserts a blank front cover.
⊙**Front** ☑**Front Outside**	Prints on the outside surface of the front cover.

Check Box Selection	Cover Insertion Type
⊙**Front** ☑**Front Inside** **Duplex Printing (***page 3-9***)**	Prints on the inside surface of the front cover.
⊙**Front** ☑**Front Outside** ☑**Front Inside** **Duplex Printing (***page 3-9***)**	Prints on the outside and inside surfaces of the front cover.
⊙**Front and Back**	Inserts blank front and back covers.
⊙**Front and Back** ☑**Front Outside**	Prints on the outside surface of the front cover and inserts a blank back cover.
⊙**Front and Back** ☑**Front Inside** **Duplex Printing (***page 3-9***)**	Prints on the inside surface of the front cover and inserts a blank back cover.

Check Box Selection	Cover Insertion Type
⊙**Front and Back** ☑**Front Outside** ☑**Front Inside** **Duplex Printing (***page 3-9***)**	Prints on both sides of the front cover and inserts a blank back cover.
⊙**Front and Back** ☑**Back Inside**	Prints on the inside surface of the back cover and inserts a blank front cover.
⊙**Front and Back** ☑**Back Outside** **Duplex Printing (***page 3-9***)**	Prints on the outside surface of the back cover and inserts a blank front cover.
⊙**Front and Back** ☑**Back Inside** ☑**Back Outside** **Duplex Printing (***page 3-9***)**	Prints on both sides of the back cover and inserts a blank front cover.
⊙**Front and Back** ☑**Front Outside** ☑**Front Inside** ☑**Back Inside** ☑**Back Outside** **Duplex Printing (***page 3-9***)**	Prints on both sides of the front and back covers.

Edit Cover Printing Options

1 From the **Media for cover** list, select the media type or source cassette for the front and back covers. When you choose the media type, a source cassette matching that media is automatically selected.
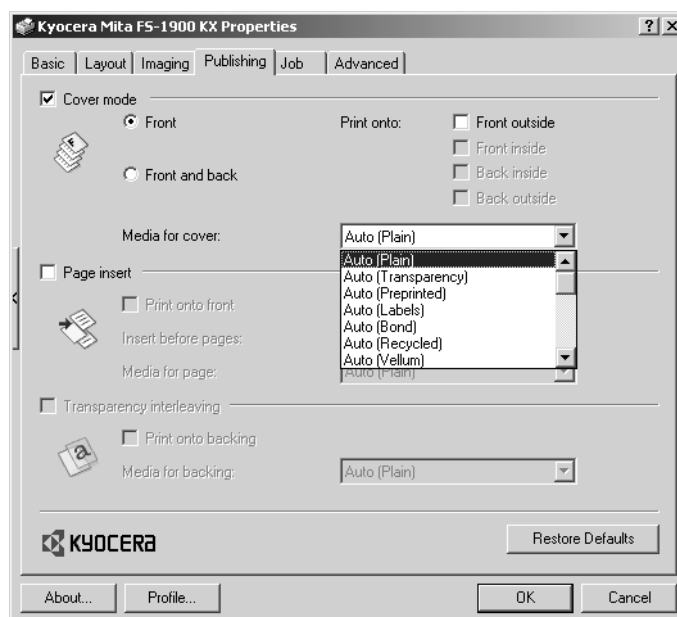
Note: Heavy, thin, or other special papers must be supplied from the MP tray. Media type selections are not supported for KM-1510.

2 Load the paper for the front and back cover in the paper cassette selected in step 1.

3 Click **OK** to return to the **Print** dialog box

4 Click **OK** to start printing.

Page Insert

You can insert a preprinted page or a page of a different paper type before a designated page. You can also print on the inserted paper. If a duplex unit is installed, you can also print on the reverse of the inserted paper.

Although the **Page insert** and **Cover mode** may be used simultaneously, they cannot be combined with **Transparency interleaving** (described in *Transparency Interleaving* on page 7-8).

Insert Page Printing

1 From the application's **Print** dialog box, open the **Properties**. (Select **Print** from the **File** menu and select **Properties**).

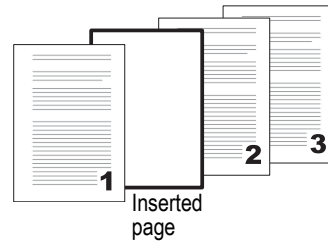**2** In the **Properties** dialog box, click the **Publishing** tab.

3 Select the **Page insert** check box. Select the option corresponding to your desired page arrangement as shown in the table below. To print on both the front and back of the inserted page, enable the **Print onto front** and **Print onto back** check boxes.
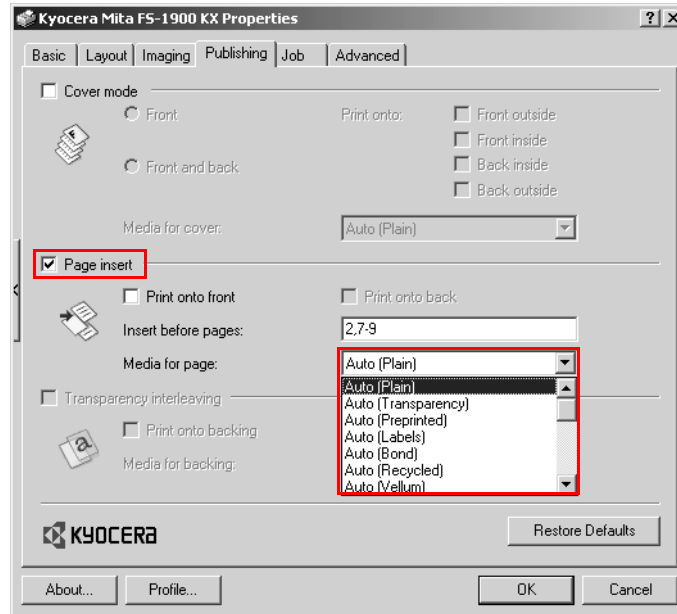
Check Box Options	Page Insertion Types
☑**Page insert**	Inserts a blank page before the second page.
☑**Page insert** ☑**Print onto Front**	Prints on the front surface of the inserted page.
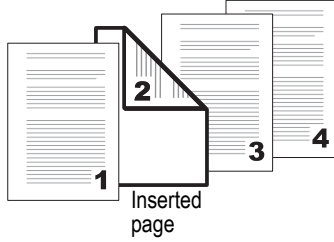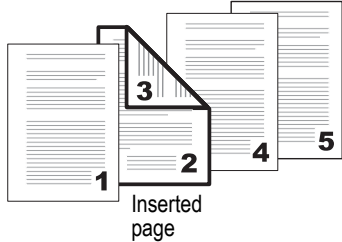
Check Box Options	Page Insertion Types
☑**Page insert** ☑**Print onto Back** **Duplex Printing (***page 3-9***)**	Prints on the inside surface of the inserted page.
☑**Page insert** ☑**Print onto Front** ☑**Print onto Back** **Duplex Printing (***page 3-9***)**	Prints on both sides of the inserted page.

Combinations

Adjust Media Combination Settings

1 Enter the page number to insert. A page will be inserted between the page number you entered and the page before it. You can designate for pages to be inserted starting with page 2 and ending on page 255.
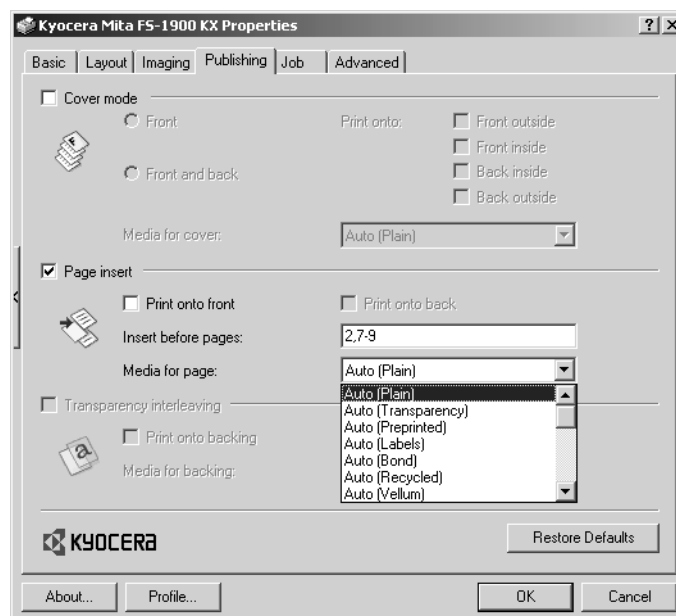
2 To designate several pages in the document for insertion, enter a comma (,) to separate them. For a series of insertions in a range of pages, use a hyphen (-). For example, to insert a page before pages 5, 11, 12, 13, and 18, enter [**5,11-13,18**].

3   From the **Media for page** list, select the media type of the inserted page or the source paper cassette.

When you choose the media type, a source cassette that matches that media is automatically selected. Heavy, thin, or other special papers must be supplied from the MP tray.

4   Click **OK** to return to the **Print** dialog box.

5   Load the paper into the paper cassette.

**6**   Click **OK** to begin printing.

Transparency Interleaving

By inserting a page between each transparency, you can avoid damaging transparencies. This function is only available when printing on transparencies supplied from the MP tray. On these inserted pages you can print the same content as for the transparencies.

Transparency interleaving cannot be used simultaneously with Cover mode or Page insert.

Transparency Interleaving Method

1   From the application's **Print** dialog box, open the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)

2   If the Source and Media type lists have been combined in the **Compatibility Settings** dialog box, select **Auto (Transparency)**.

If the Source and Media type lists have not been combined, from the **Media type** list, select **Transparency**.
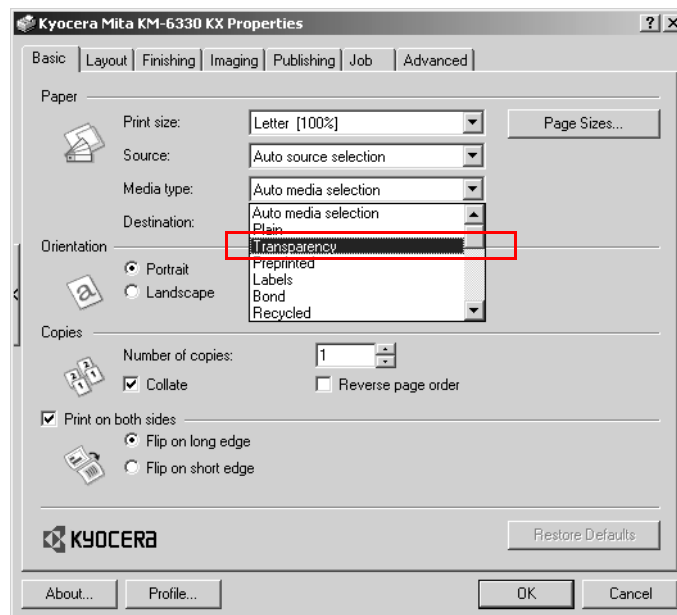
3 Click the **Publishing** tab.

4 Select the **Transparency interleaving** check box. To print the transparency content on the inserted pages as well, select the **Print onto backing** check box.
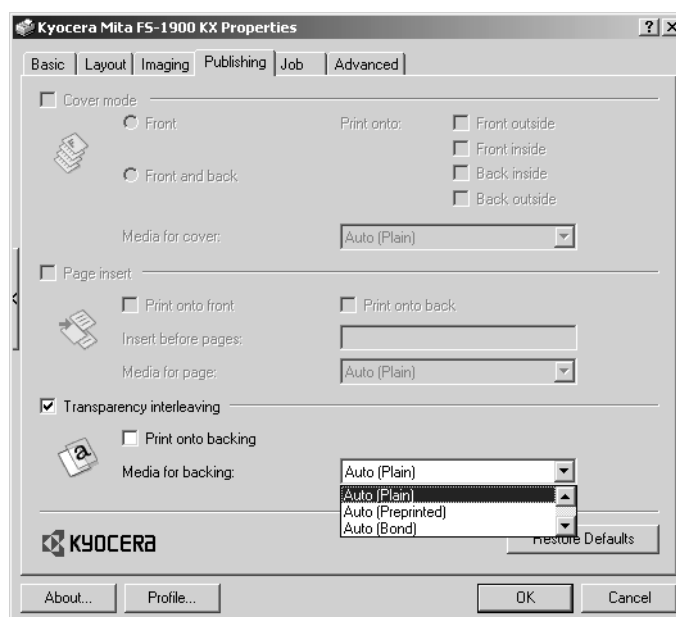
5 From the **Media for backing** list, select the media type of the backing sheet or the source paper cassette. When you choose the media type, the source cassette where that media is loaded will be automatically selected.

6 The printing system's operation panel will prompt you to load transparencies into the MP tray, and, if necessary, load backing paper into the selected cassette.

7 Click **OK** to begin printing.

8   Job

The Job options are available when you install an optional hard disk on the printing system or enable a RAM disk. For further details on hard disk installation and setup, refer to *RAM Disk* on page 2-4. **Private print** and **Proof and hold** can be used with a RAM Disk.
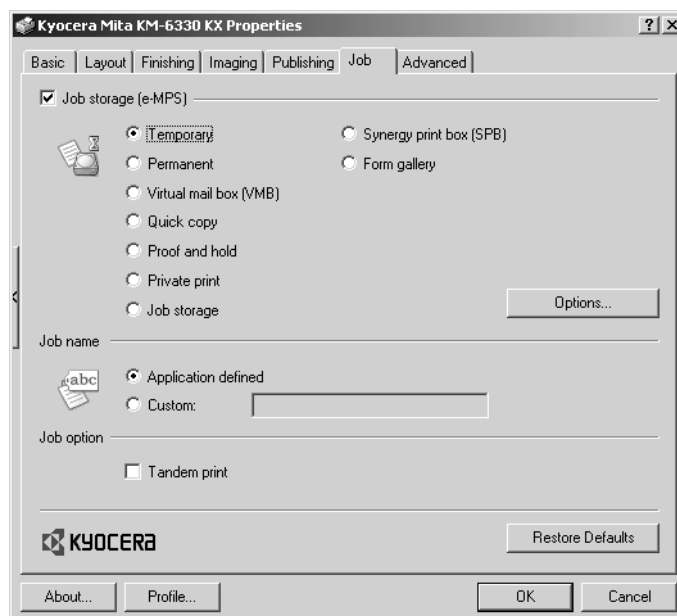
Job Storage (e-MPS)

The Job tab offers a variety of features, as listed below.

Printer Driver Menu Options	Function	Job Deletion after Printing	Access Code	Panel Message (Category)	Default number of copies printed
Temporary and Permanent Jobs	Stores print jobs for printing later using KM-NET for Clients.	See *page 8-2*	No	Menu> e-MPS>	Same as for original job
Virtual Mailbox	Stores print jobs for later printing from the operation panel.	Saved until printed, then automatically deleted	No	Menu> e-MPS>	Same as for original job
Quick Copy	After printing a job, you can reprint it from the printing system's operation panel.	Saved until printing system power is turned off	No	Menu> e-MPS> Quick Copy	Same as for original job (adjustable)

Printer Driver Menu Options	Function	Job Deletion after Printing	Access Code	Panel Message (Category)	Default number of copies printed
Proof and Hold	When you print multiple copies, the printing system produces one copy for proofing and pauses. You can resume printing the remaining copies from the printing system's operation panel.	Saved until printing system power is turned off	No	Menu> e-MPS >Quick Copy	One fewer than original job (adjustable)
Private Print	Saves print jobs (without printing them) for printing later using the printing system's operation panel. Printing with this function requires an access code.	Deleted after printing	Yes	Menu> e-MPS > Private/ Stored	Same as for original job (adjustable)
Job Storage	This function is used for saving print jobs to print later as needed. You can print the required number of copies later from the printing system's operation panel.	Saved until manually deleted	Optional	Menu> e-MPS > Private/ Stored	1
Synergy Print Box	SPB stores and then joins multiple documents into one print job. Can include scanned documents.	Saved until manually deleted	No	Document Management > Synergy print box	Same as for original job
Form Gallery	Overlay a saved document on to another document	Saved until manually deleted	No	Document Management> Forms Box	Same as for original job

Sometimes the application settings are given priority over the printer driver settings, causing a change in the output method.

If you select one of the Job options, the hard disk icon appears in the lower corner of the 3-D image.

Temporary and Permanent Jobs

Functions for jobs saved as Temporary and Permanent jobs are similar to the functions for Quick Copy and other features described in *Job Storage (e-MPS)* on page 8-1. However, these functions are provided for backward compatibility with printing environments developed before the Job option. Similar to job options, temporary and permanent jobs use electronic sorting for faster printing of jobs with multiple copies.

The features are listed below:

- Jobs are managed internally with job IDs and printed after saving by an application (KM-NETJob Manager).
- Barcode print output is supported and facilitates future printing with an optional barcode reader.
- Both types of jobs are saved on the hard disk, up to the user-defined capacity. However, temporary jobs are automatically deleted if the defined capacity is reached. Permanent jobs remain saved until removed by the user.

Print and Save Temporary and Permanent Jobs

Note: Check that your printing system has an optional hard disk installed.

1 From the application's **Print** dialog box, open the **Properties**. (Select **Print** from the **File** menu).

2 Open the **Properties** dialog box, and click the **Job** tab.

3 Select the **Job Storage (e-MPS)** check box.

4 Select **Temporary** or **Permanent**.

5 When printing a job with a job ID barcode, click **Options** to open the **Barcode Options** dialog box and make the appropriate settings.
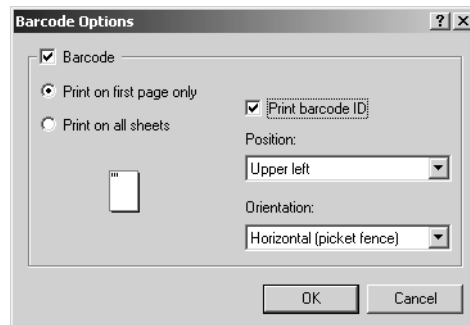
For further details, refer to *Print a Barcode on a Print Job* on page 8-6.

6 Click **OK** on **Barcode Options** and then in the **Job** tab to return to the **Print** dialog box. While printing, the job will be simultaneously saved on the hard disk as either a temporary or permanent job.

Note: To reprint temporary or permanent jobs, the dedicated KM-NET for Clients Job Manager utility is required.

Use KM-NET for Clients to Print Saved Jobs Again

To print out jobs, the KM-NET for Clients utility must first be installed on your computer. The utility is located on the supplied Kyocera Software Library CD-ROM.

> **Note:** The KM-NET for Clients communicates with the printing system using TCP/IP protocol. To make a local connection with your computer, the KX printer driver must be installed on it. A local connection cannot be used in Windows 2000.

From the CD-ROM **Main Menu** dialog box, select **Printer Utilities**, then **KM-NET for Clients** to install the software.

After installation, follow these steps to launch the KM-NET Job Manager utility:

1 Click **Start** in the Windows **taskbar** and **All Programs**.
Windows 98/Me: Click **Programs**, **Kyocera**, and then **KM Net for Clients**.

2 Click **Add**. Depending on your printing system connections, select either the **Local printer** (for Parallel Connection) or **Network printer**.
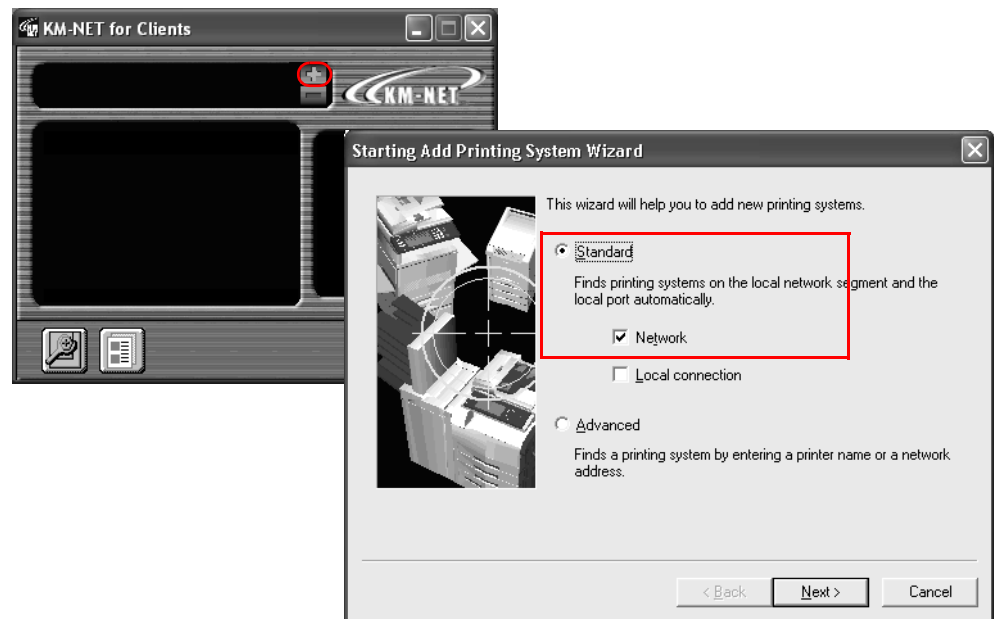

3 Follow the wizard through the **Starting Add Printing System Wizard** dialog box. Available printing systems are displayed.

4 Select the printing system to connect and click **Finish** to return to the main dialog box of the KM-NET for Clients.
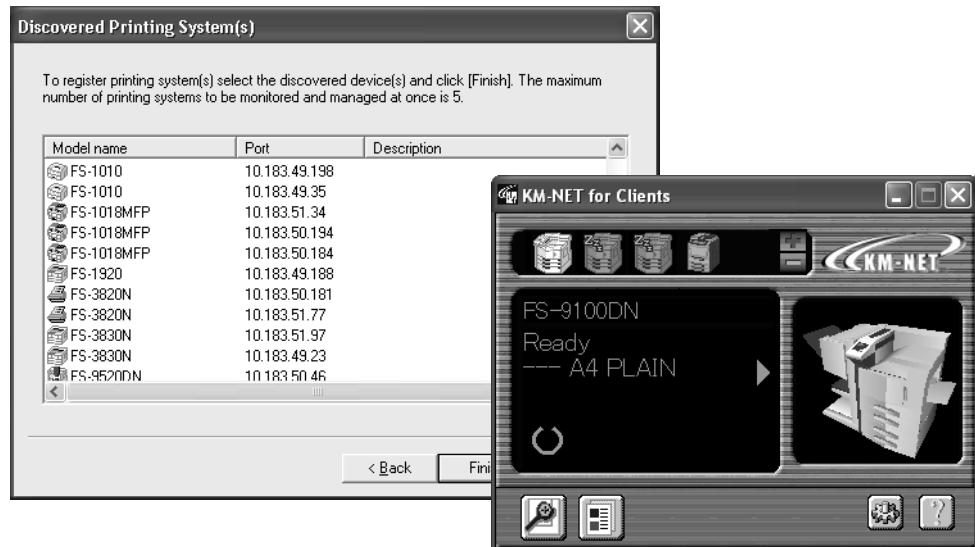
5 Select the printer icon displayed in the main dialog box and click the **Job Manager** icon. Print jobs saved in the printing system are displayed.

6 Right-click on the job name and select **Print** from the list to print a saved job. You can also select multiple jobs for printing simultaneously.

To select multiple jobs, click the jobs while holding down the Ctrl key. Saved jobs are stored on the hard disk.
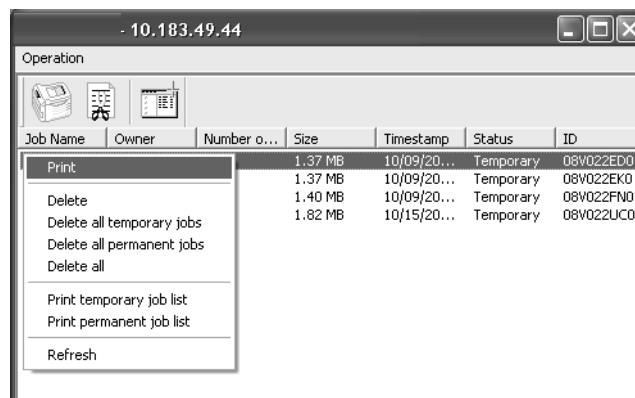
Note: To delete jobs manually, right-click on the job name and select **Delete** from the list. For further details, refer to *KM-NET for Clients Operation Guide*.

Print Additional Copies of Saved Jobs

You can reprint saved print jobs using the optional barcode reader. Use the printing system's serial interface to connect the barcode reader to the printing system.

When initially printing a job, follow the steps below to print a barcode representing the job ID on each page or on the cover page only.

```
{28L016T50}
```

By simply reading the barcode with the barcode reader, you can reprint either a page or the entire job.

Print a Barcode on a Print Job

1 From the application's **Print** dialog box, open the **Properties**. (Select **Print** from the **File** menu).

2 Open the **Properties** dialog box and click the **Job** tab.
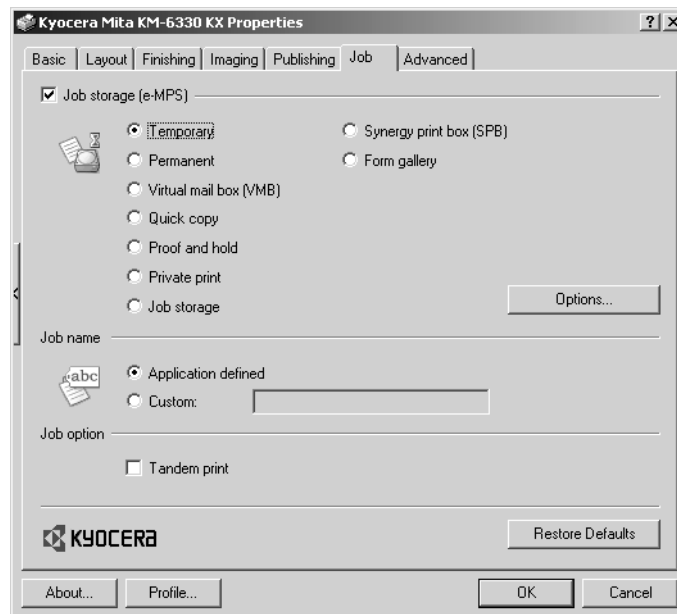
3 Select the **Job storage (e-MPS)** check box. Select **Temporary** or **Permanent**.

4 Click **Options** to open the **Barcode Options** dialog box.

5 Select the **Barcode** check box. Select **Print on first page only** or **Print on all sheets**.

6 If you want to print the job ID as characters with the barcode, as shown in the diagram below, enable the **Print Barcode ID** check box.
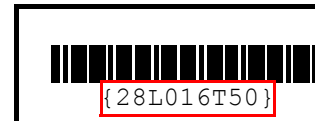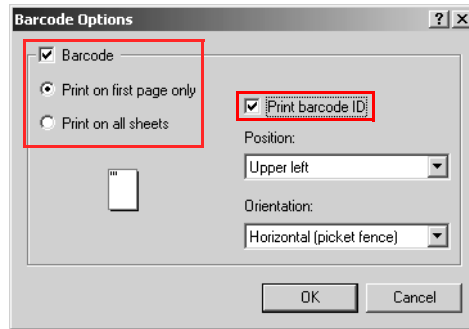
7 From the **Position** list, select the barcode position on the page. From the **Orientation** list, select the direction of the barcode.

8 Click **OK**.

The combinations of barcode printing position and orientations are shown in the table below.

Orientations	Position			
	Upper-Right	Lower-Right	Upper-Left	Lower-Left
Horizontal	1	2	3	4
Vertical	5	6	7	8

When printing, the barcode is printed in the designated position.

Use the Barcode Reader

When the printed barcode is read by the barcode reader, the printing system outputs that page.

Barcode Reader

Job Code

bip
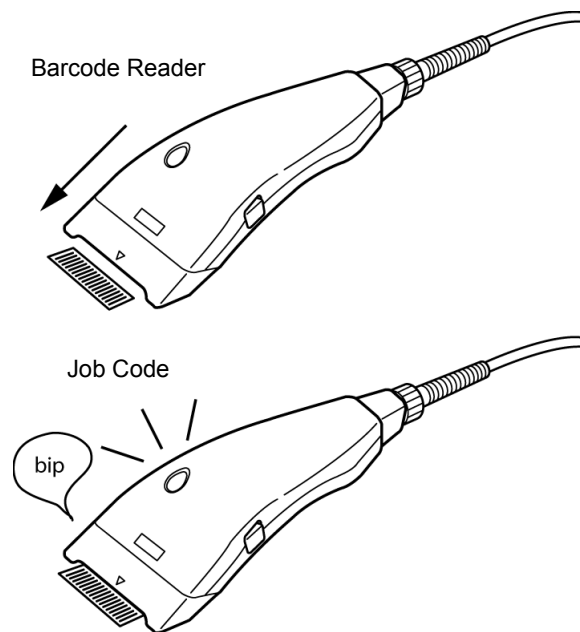
Using the Barcode Reader to Read the barcode

*   If the barcode on the front cover is read, all pages are printed.
*   If pages are read individually, only the pages that are read are printed.

Note: This feature requires switching the serial interface mode to work with the barcode reader. For further details, refer to the barcode reader's *Operation Guide*.

Virtual Mailbox

With the **Virtual mail box** feature, mailboxes created on the hard disk are assigned to multiple users. Jobs posted to a virtual mail box can be printed later from the printing system's operation panel. Jobs saved in virtual mailboxes are automatically deleted after printing, and jobs that have not been printed are saved if the printing system is switched off. You must create and set p your virtual mailboxes prior to utilizing this feature.

Note: The Virtual mail box feature is available when the printing system is set to emulate PCL 5e, PCL XL, or PCL 5c. For information on emulation settings, refer to *Page Description Language (PDL)* on page 2-6.

Create a virtual mail box by specifying a mail box name and number. The figure below illustrates the virtual mailbox option. For further details, refer to *Create Virtual Mailboxes* on page 8-9.
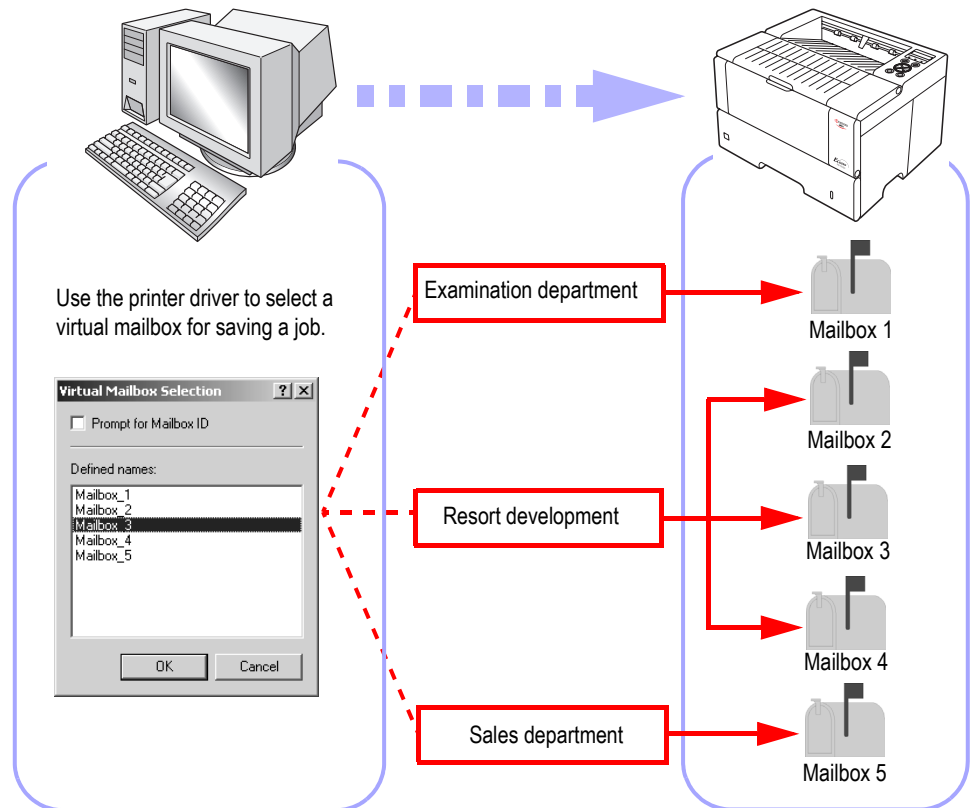
You can group multiple mailboxes and identify the group with a unique name. You can save jobs into multiple mailboxes, or save it into all the mailboxes at the same time.

Up to 255 mailboxes can be created. The total mailbox capacity varies depending on the printing system model and the size of the hard disk installed. For example, an FS-1800 printing system with a 1 GB microdrive offers an initial mailbox capacity of 50 MB. For further details on virtual mailbox capacities of each model, refer to the printing system's *Operation Guide*.

Create Virtual Mailboxes

1 Click **Start** in the Windows taskbar, and click **Printers and Faxes** to open the **Printers and Faxes** window.

2 Right-click the icon for your printing system in the **Printers and Faxes** window. A list appears.

3 Click **Properties** in the list. The **Properties** dialog box appears. Click the **Device Settings** tab.
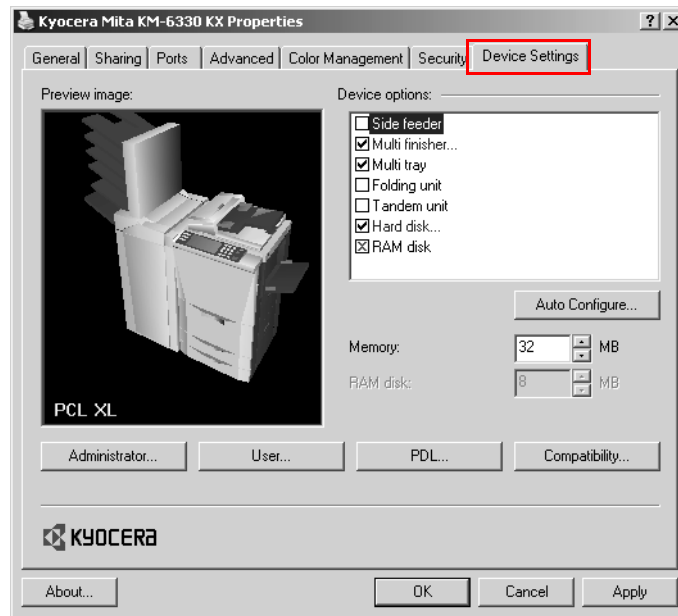
4 Select the **Hard Disk** check box. The **Hard Disk Settings** dialog box appears.
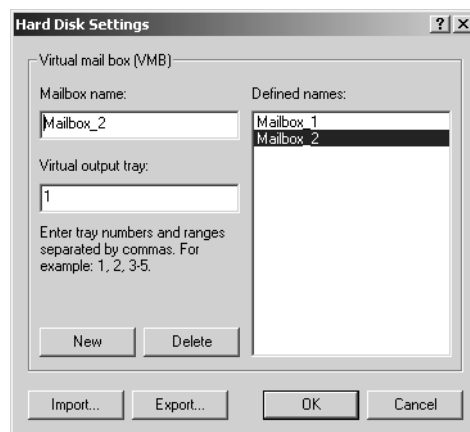
5 Click **New** and enter any name into **Mailbox name**.

For example, name the mailbox after the user or department. The name can be up to 31 characters in length.

6 The mailbox names appear in the **Defined Names** list at right.

7 Enter a number between 1 and 255 for the **Mailbox number**.

You can enter commas and hyphens to organize multiple mailboxes for the same user. In the following example, when the numbers 1, 3, 6, 8-12 are entered, mailboxes 1, 3, 6, 8, 9, 10, 11, and 12 will be assigned to the name specified in **Mailbox name**. Print jobs are saved in those boxes simultaneously.

To assign multiple mailboxes, repeat the above steps. When finished, click **OK** to close the **Hard Disk Settings** dialog box.

It is also possible to assign mailboxes using the same mailbox numbers for users with different names. However, be aware that this will result in shared mailboxes.

To delete a mailbox that you created, select the mailbox from the **Defined names** list and click **Delete**.

### Import and Export the Virtual Mailbox List

These sections explain how to import and export your virtual mailbox lists. You can save the list of virtual mailboxes created in the previous section onto your personal computer or network. Once saved, the list can be imported into other printer drivers.

Export

1 Click **Start** in the Windows taskbar, and click **Printers and Faxes** to open the **Printers and Faxes** window.

2 Right-click the icon for your printer in the **Printers and Faxes** window. A list appears.

3 Click **Properties** in the list. The **Properties** dialog box appears. Click the **Device Settings** tab.
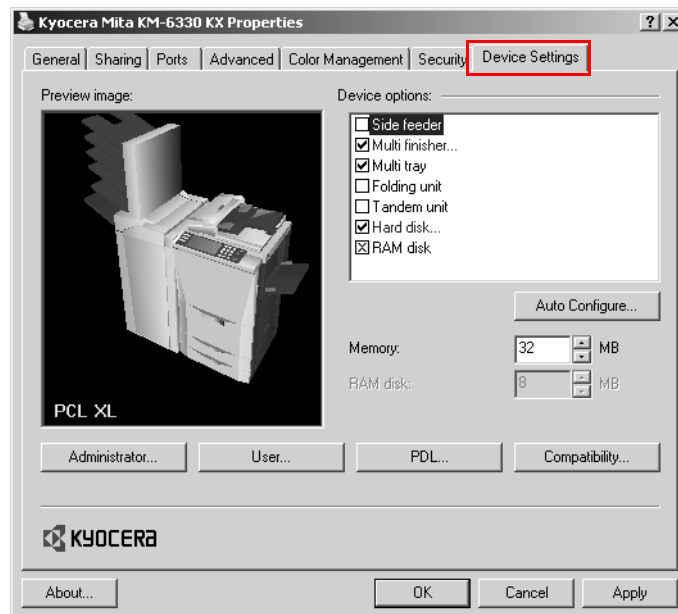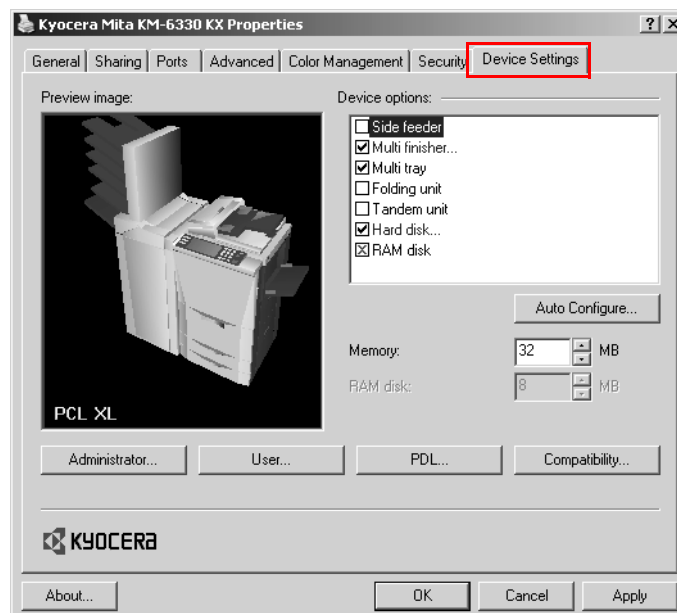
4 Select the **Hard Disk** check box. The **Hard Disk Settings** dialog box appears.
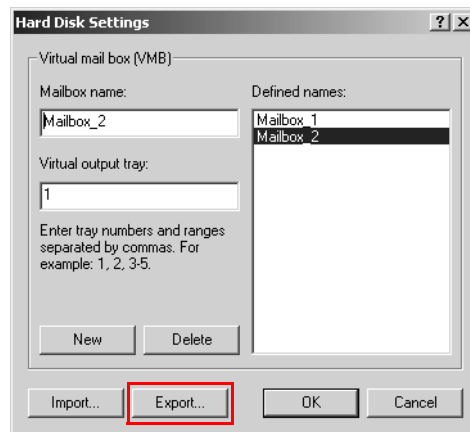
5 Click **Export**.

6 The **Export VMB List** dialog box appears. Select save location from the **Save in** list.

7 Enter a name in the **File name** field and click **Save**. Close the **Properties** dialog box.

Import

1 Click **Start** in the Windows taskbar, and click **Printers and Faxes** to open the **Printers and Faxes** window.

2 Right-click the icon for your printing system in the **Printers and Faxes** window. A list appears.

3 Click **Properties** in the list. The **Properties** dialog box appears. Click the **Device Settings** tab.

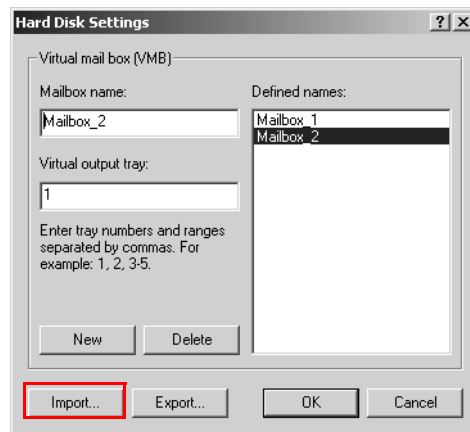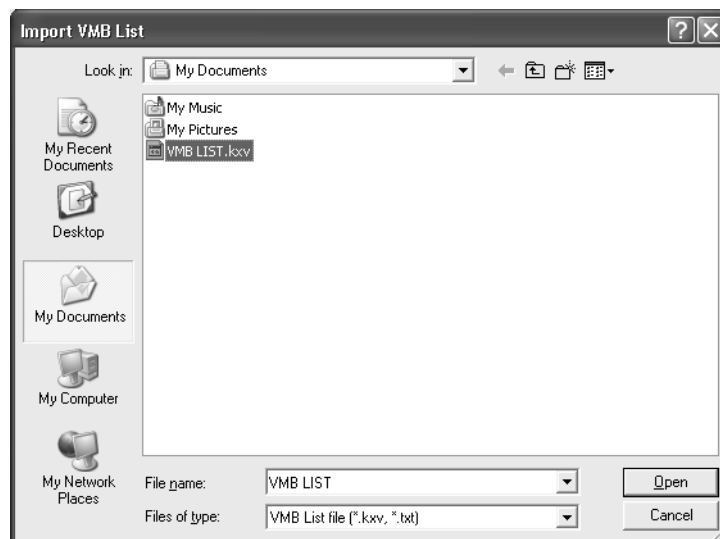**4** Select the **Hard Disk** check box. The **Hard Disk Settings** dialog box appears.

5 Click **Import**.

6 The **Import VMB List** dialog box appears. Select the virtual mailbox data file to read from the **Look in** list.

**7** Click the virtual mailbox list name and click **Open**.

8 The virtual mailbox list is opened and displayed in the **Defined Names** area. Click **OK** to save the list. The imported list will replace all Defined Names that were already in the list.

Save Jobs in Virtual Mailboxes

1 From the application's **Print** dialog box, open the **Properties**. Select **Print** from the **File** menu and select **Properties**.

2 Open the **Properties** dialog box, and click the **Job** tab.
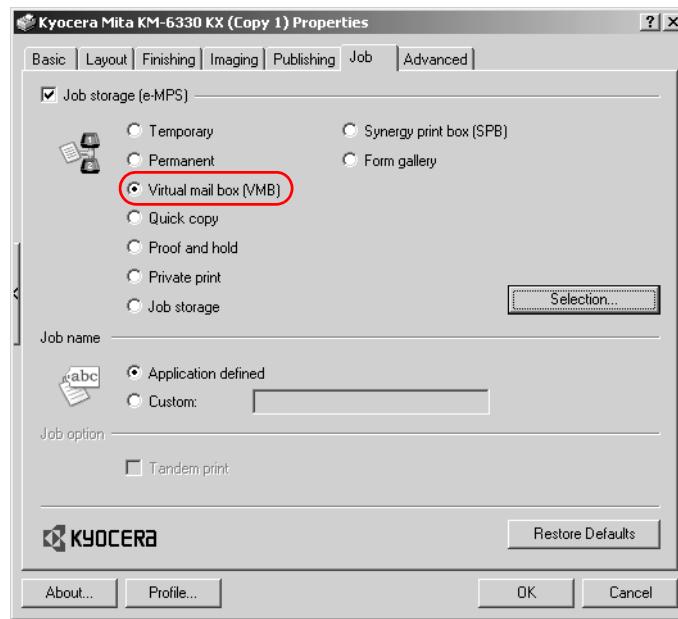
3 Select the **Job storage (e-MPS)** check box.

4 Select **Virtual mail box (VMB)** and click **Selection**.

If **Virtual mail box (VMB)** is inactive, no virtual mailboxes have been created yet. Click **Cancel** in the screen above, and create a virtual mailbox while referring to *Create Virtual Mailboxes* on page 8-9.

5 The **Virtual Mailbox Selection** dialog box appears. Select the mailbox for saving the job, and click **OK**.
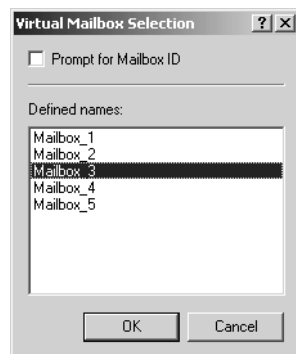
6 Close the **Properties** dialog box. The job is saved to the virtual mailbox on the hard disk and held for printing.

- **Printing the list** -- Refer to the next section, *Print Virtual Mailbox Job Lists*, below.
- **Printing saved jobs** -- Refer to *Print Jobs in Virtual Mailboxes* on page 8-15.

Print Virtual Mailbox Job Lists

Follow these steps to print the jobs lists of virtual mailboxes. You can print a list if there is at least one job saved in the virtual mailbox.

The list is printed from the printing system's operation panel.

Note: The actual key operation may differ depending on the model.

1 At the printing system's operation panel, press the **MENU** key.

2 Press the ▲ or ▼ key repeatedly until **e-MPS >** is displayed.

3 Press the ▶ key to open the submenu.

4 Press the ▲ or ▼ key repeatedly until **>List of VMB** appears.

This menu is not displayed if all virtual mailboxes are empty.

5 Press the **ENTER** key. A blinking question mark **[?]** appears.

6 Press the **ENTER** key again. The list will be printed.

The job list information shows the number of saved jobs, number of pages, size, and other specific details for each virtual mailbox. The symbol to the left of a virtual mailbox indicates jobs in the mailbox.

Virtual Mailbox Job List

Print Jobs in Virtual Mailboxes

Jobs are printed from the printing system's operation panel.

1 At the printing system's operation panel, press the **MENU** key.

2 Press the ▲ or ▼ key repeatedly until **e-MPS >**appears.

3 Press the ▶ key to open the submenu.

4 Press the ▲ or ▼ key repeatedly until the display looks like the example shown below.

This menu is not available if all virtual mailboxes are empty.

```
>Print VMB Data
 Tray 001:
```

Tray 001: Represents **Virtual Mailbox 1**.

5 Press the **ENTER** key. A blinking question mark **[?]** is displayed.

Note: At this point, if there are jobs in other virtual mailboxes, you can select them (**Tray**) by pressing the ▲ key.

6 To print the jobs in those virtual mailboxes, press the **ENTER** key.

All jobs in the virtual mailboxes are printed. Once printed, the jobs are automatically deleted from the virtual mailboxes.

Quick Copy

After using the quick copy feature, a document can be reprinted from the operation panel.

1 In the **Properties** dialog box, click the **Job** tab.
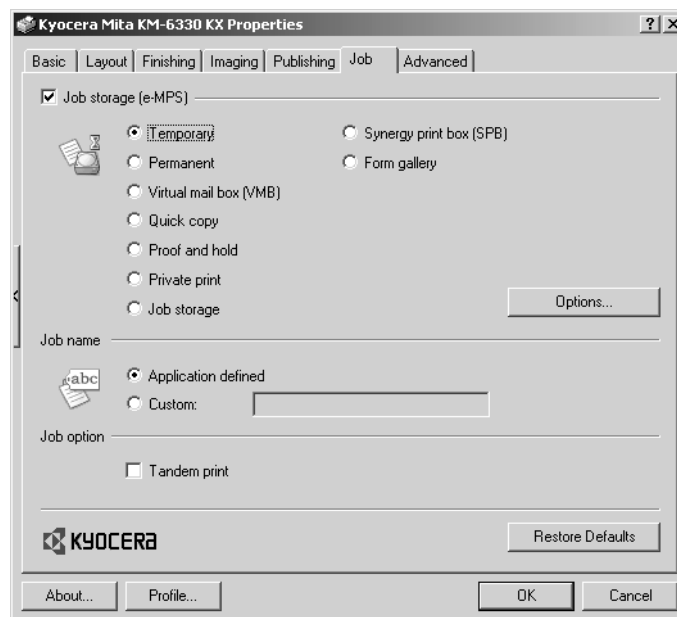
2 Select the **Job storage (e-MPS)** check box. For Quick copy printing, select **Quick copy**.

3 You can name the job for later reference when printing from the printing system's operation panel. Under **Job name**, select **Application defined** for automatic naming by the application. Or, select **Custom** to enter a name of your choice. The name can be up to 31 characters.

4 Click **OK**.

5 When you **Print** from the application, the job will be saved to the hard disk while the specified number of copies prints.

For further details on printing additional copies of a Quick copy job, see below.

Printing Additional Copies of Quick Copy Jobs

> **Note:** The actual key operation may differ depending on the model.

1 Press the **MENU** key at the printing system's operation panel.

2 Press the ▲ or ▼ key repeatedly until **e-MPS >** appears.

3 Press the ▶ key to open the submenu.

4 Press the ▲ or ▼ key repeatedly until **>Quick Copy** appears.

5 Press the **ENTER** key. A blinking question mark **[?]** displays by the user name.

6 If the user name is correct, press the **ENTER** key. Otherwise, press the ▲ or ▼ key until the correct name appears.

7 Press the **ENTER** key. Follow the instructions in *Identification* on page 2-5 to continue.

8 The job name appears with a blinking question mark **[?].**
If this is the correct job for printing, press the **ENTER** key.

9 Otherwise, press the ▼ or ▲ key until the correct name appears. Then, press the **ENTER** key.

10 Press the▼ or ▲ key to specify the number of copies.

11 Press the **ENTER** key. The Quick Copy job initially printed is printed in the specified number of copies.

Deleting Quick Copy Jobs

1 Refer to steps 1 through 8 in *Printing Additional Copies of Quick Copy Jobs* on page 8-17.

2 If this is the correct job for deletion, press the **ENTER** key.

3 Otherwise, press the ▼ or ▲ key until the correct name appears.

4 After the menu for specifying the number of print copies appears, press the ▼ key once. **Delete** appears.

5 Press the **ENTER** key to delete the job.

Proof and Hold

1 Open the Job Settings dialog box as indicated in the instructions for *Quick Copy* on page 8-16. Select **Proof and hold**.

2 Name the job for future reference when printing from the print operation panel.

- If you select **Application defined** in **Job name,** the application automatically names the document.
- In the **Job name** area, select **Custom** to enter a name of your choice. The name can be up to 31 characters in length.

3 Click **OK**.

When printing a **Proof and hold** job of multiple copies, only the first copy is printed and the remaining copies are saved. Follow the steps below after proofing the first copy.

Print the Remaining Copies of Proof and Hold Jobs

You can print the remaining copies of **Proof and hold** jobs following the same steps as for *Printing Additional Copies of Quick Copy Jobs* on page 8-17. Use the keys at the printing system's operation panel to proceed. When using the **Proof and hold** option, the number of copies displayed will be one less than the total due to the existing proof copy. The printed jobs will remain saved on the hard disk until the printing system is turned off. To delete jobs manually, use the same key operations as explained in *Deleting Quick Copy Jobs* on page 8-17.

Private Print

Private print jobs are saved to the hard disk for printing until a four-digit access code is entered. The saved jobs are deleted as soon as they are printed.

Save a Private Print Job

1 In the **Job** tab, select **Private print**.

2 Enter four digits with any numbers between 0 and 9 for the **Access code**.

3 You can name the job for later reference when printing from the print operation panel.

- If you select **Application defined** in **Job name** the application automatically names the document.
- In **Job name**, select **Custom** to enter a name of your choice. The name can be up to 31 characters in length.

4 Click **OK**.

Print Private Print Jobs

Note: The actual key operation may differ depending on the printing system model.

1 At the printing system's operation panel, press the **MENU** key.

2 Press the ▲ or ▼ key repeatedly until **e-MPS >** appears.

3 Press the ▶ key to open the submenu.

4 Press the ▲ or ▼ key repeatedly until **>Private/Stored** appears.

5 Press the **ENTER** key, the user name displays with a blinking question mark **[?]**.

6 If the user name is correct, press the **ENTER** key. Otherwise, press the ▲ or ▼ key until the correct name is displayed.

7 The job name is displayed with a blinking question mark **[?]**. Press the **ENTER** key.

8 The user name displayed is specified following the instructions in *Identification* on page 2-5. If this is the correct job for printing, press the **ENTER** key.

9 Otherwise, press the ▲ or ▼ key until the correct job name appears, then press the **ENTER** key.

10 Enter the four-digit access code created in *Private Print* on page 8-18.

11 Press the ▲ or ▼ key to increase or decrease the number.

12 Press the ◄ or ► key to move the cursor right and left.

13 Press the ENTER key. Use the ▲ or ▼ key to specify the number of copies for printing.

14 Press the **ENTER** key to start printing.

15 After printing, the job will be automatically deleted from the hard disk. To delete the job without printing it, follow the same procedure as in *Deleting Quick Copy Jobs* on page 8-17.

Job Storage

The Job storage feature saves jobs on the hard disk for future printing, even if the printing system is switched off. You can also use access codes to restrict the printing of forms.

1 In the **Job** tab, click **Job storage (e-MPS)** and then select **Job Storage**.
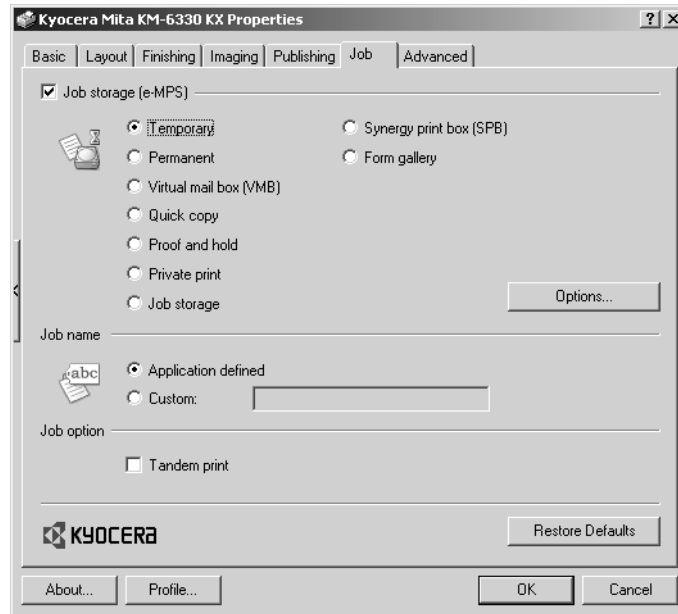
2 Select the **Access code** check box and enter the desired four-digit access code using numbers between 0 and 9. When you want to print the saved jobs, enter the access code on the print operation panel.

3 You can name the job for future reference when printing from the print operation panel.

- If you select **Application defined** in the **Job name** field, the application automatically names the document.
- To give it a name you create, in **Job name**, select **Custom** and enter the name of your choice. The name can be up to 31 characters in length.

4 Click **OK**. When you select print, the job will be saved to the hard disk without printing.

Print Jobs Saved Using Job Storage

To print forms and other documents saved using Job Storage, follow the same steps as for *Print Private Print Jobs* on page 8-18.

The stored jobs will remain saved even after the printing system is switched off. To delete them manually, follow the same steps as for *Deleting Quick Copy Jobs* on page 8-17. When deleting jobs, you must enter the same access code as saved in the **Job storage** procedure.

Synergy Print Box

Synergy print box (SPB) combines electronic and copier data into one document and stores them in your choice of virtual output print boxes. Copier documents and print jobs from various applications can be combined.

This feature is available on KM-4530, KM-5530, KM-6230, KM-6330, and KM-7530. See your printing system's *Operation Guide* for more information on this feature.

To use Synergy print box, in the **Imaging** tab printing quality must be set to **High quality**, **Proof**, or **Draft**; or select **Fast 1200** or **600 dpi** in the **Custom Quality Settings** dialog box.

Synergy print box uses printing system memory and does not require an optional Hard disk or setting up a RAM disk. Jobs are sorted and stored in the printing system's memory rather than in physical mailboxes attached to the printing system.

There are 100 available print boxes, and each print box can hold up to 999 pages. To combine several jobs, send them to one box, and then print the box from the operation panel. Jobs can be sent to a print box from your computer, or scanned in to the printing system and stored in the print box.

Example: Say you want to combine 3 separate documents and one scanned-in page into one print job. You would send the 3 documents all to the same print box, and then at the printing system, scan in the page and register it in the print box.
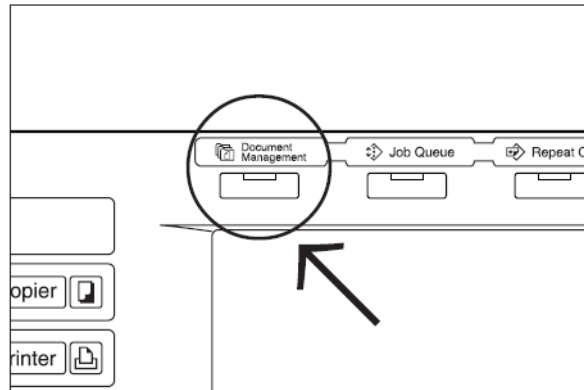
Send a Document to a Print Box

1 Open the document and from the **File** menu select **Print**.

2 From the **Print** dialog box, open **Properties** and then select the **Job** tab.

3 In the Job tab, select **Job storage (e-MPS)**.

4 Select **Synergy print box**.

5 In the **SPB ID** field, enter a print box number. There are 100 available print boxes, numbered 1 through 100. You may want to go to the printing system's operation panel to see if the print box is empty.

6 At this point you have the option of giving a name to the print job, or of accepting a default name generated by the printing system. To give it a custom name, under **Job name**, select **Custom** and then enter a name in text box.

7 Click **OK**, and then **Print** or **OK** (varies depending on the application) to send the job to the print box.
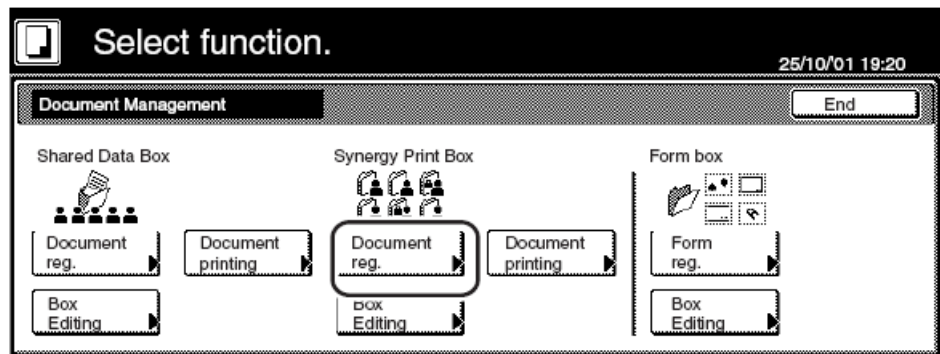
The print job is now stored in the printing system's memory, in a print box.

Scan a Document into a Print Box

1 At the printing system's operation panel, press the **Document Management** key.

2 The Document Management menu appears. Under **Synergy Print Box**, select **Document reg**.

3 Select a print box from the list.

4 (Optional) To give a custom name to the document, touch **Change name**, and then enter the name on the typepad that appears. Click **End** to confirm the new name and return to the Document reg menu.

5 Place the original document on the document feeder or on the glass.

6 Hit the **Start** key.

The document is now stored in the print box. Documents stored by this method are treated as single-sided documents.
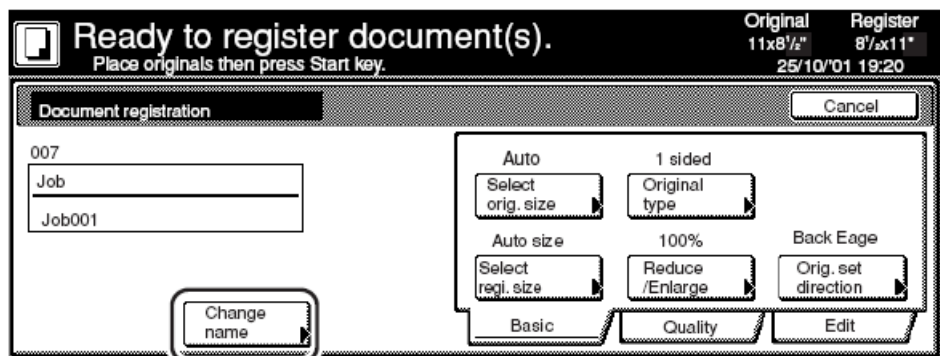
Print the Documents in a Print Box

1 At the printing system's operation panel, press the **Document Management** key.

2 The Document Management menu appears. Under **Synergy Print Box**, select **Document printing**.

3 From the list of print boxes, select the print box you want to print.

4 The list of documents in the print box appears.

•   Documents can be sorted by date, new to old, or old to new, or in alphabetical or reverse-alphabetical order. To sort, select **Order of indication**, and then choose one of the sorting options.
•   To manually select the print order, touch/select the documents in the order in which you want them to print. A print sequence number will appear to the right of the document name. To change the sequence, touch the **Select/Cancel** button and then re-select the print order.

5 Touch **Finish selecting**. At this point, you can choose the paper, 2-sided printing, and other available options such as punch and staple.

6 Select **Print from list**.

All the documents in the box will print, in the order you specified.

Print One Document from a Print Box

1 At the printing system's operation panel, press the **Document Management** key.

2 The Document Management menu appears. Under **Synergy Print Box**, select **Document printing**.

3 From the list of print boxes, select the print box.

4 From the list of documents that appears, select the document you want to print.

5 Select **Conf/Crrt details**.
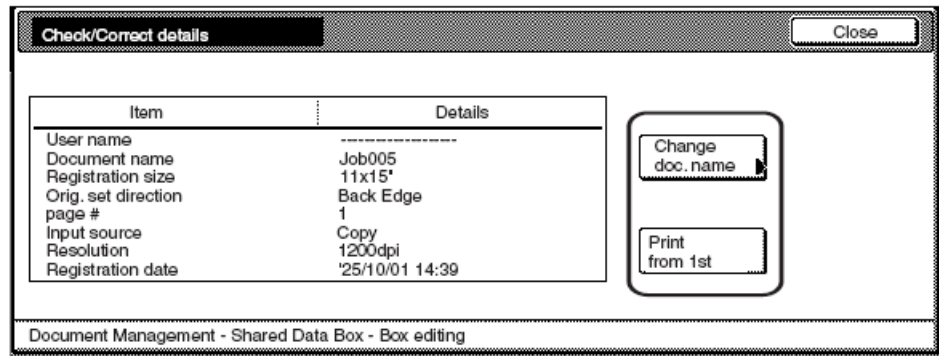
6 Select **Print from list**.

The selected document will print.

Edit a Print Box

1 At the printing system's operation panel, press the **Document Management** key.

2 The Document Management menu appears. Under **Synergy Print Box**, select **Box Editing**.

Here your options are:

Order of indication Use this option to sort the contents of the print box. The available sorting methods are alphabetical, reverse alphabetical, newest to oldest, and oldest to newest.

Delete all data/box This option will delete all documents in this box from the printing system's memory.

Box Password Use this option to create a password for a selected print box.

Conf/Crrt details This option displays details about a selected document, such as number of pages, page size, and the date registered into the printing system's memory. From this screen you can edit the name of the document, or print the document using the **Print from list** button.

Delete Use this option to delete individual documents in a print box.

Form Gallery

Form Gallery allows the user to store up to 100 frequently used forms or images in the printing system's memory for easy access and retrieval (a Hard disk or setting up a RAM disk is not required). To store an image, send it from your computer or scan it at the printing system. You can also print out a list of stored images, check and

modify image information, or delete images. A stored form can be combined with an image scanned in at the printing system.

Scanned image		Stored document		Composite document
Fernville Inc. 2179 Valley Drive Carville, NY, 13079	**+**	Dear Sirs, Thank you for you order of our one-of-a-kind doohickey. We appreciate your business. Please contact me if I can be of any assistance in the future. Sincerely, Phillip J. Longshanks	**=**	Fernville Inc. 2179 Valley Drive Carville, NY, 13079 Dear Sirs, Thank you for you order of our one-of-a-kind doohickey. We appreciate your business. Please contact me if I can be of any assistance in the future. Sincerely, Phillip J. Longshanks

This feature is available on KM-4530, KM-5530, KM-6230, KM-6330, and KM-7530. See your printing system's *Operation Guide* for more information on this feature.

To use the Form gallery, select **High quality** in the **Imaging** tab; or select **Fast 1200** in the **Custom Quality Settings** dialog box, accessed from the **Imaging** tab. Form gallery is unavailable when **PCL 5e** is selected in the **PDL Settings** dialog box, accessed from the **Device Settings** tab.

The user can store an image by sending it from the computer or scanning it at the printing system. Form Gallery uses printing system memory and does not require an optional Hard Disk or setting up a RAM Disk.

Send a Document to the Form Box

1 Open the document and from the **File** menu select **Print**.

2 From the **Print** dialog box, open **Properties** and then select the **Job** tab.

3 In the **Job** tab, select **Job storage (e-MPS)**.

4 Select **Form Gallery**.

5 At this point you have the option of giving a name to the print job, or of accepting a default name generated by the printing system. To give it a custom name, under **Job name**, select **Custom** and then enter a name in text box.

6 Click **OK**, and then **Print** or **OK** (varies depending on the application) to send the job to the form box.

The print job is now stored in the printing system's memory, in the form box.

Combine a Stored Form and another Document

1 At the printing system's operation panel, press the **Copier** key.

2 Select **User choice** and then **Forms Overlay.**

3 Select **On**.

4 Press the **Form Selected** key and then the **Loading Form** key.

5 The list of forms in the form box will appear. Select the form that you want to overlay.

6 Select **Close**.

7 The overlay screen appears. Here you can adjust the exposure of the selected form by pressing the **+** and **-** keys.

8 Place the other document or image on the document feeder or on the glass, and press **Start**.

The composite document is printed.

Job Name

Select a name for your print job to use with Job storage features, or to display the name on the printing system's operation panel while the job is printing. This can help manage documents when multiple users are using the device at the same time. Select **Application defined** to allow the application to define the Job name or select **Custom** and type your own Job name, to a maximum of 79 characters.

Job Option (Tandem Print)

Distributes a large print job between two printing systems, effectively doubling print speed and providing backup printing support. Requires installation of the Tandem unit.

9 Profile

This feature lets you save printer driver settings as a profile. You can select multiple options in the Printing Preferences tabs, save them to a profile, and use all of them at once when you apply the profile. For example, you can save a profile with selected options for Print on both sides, landscape, and rear tray destination. You can also export profiles to other KX printer drivers on your computer and to other computers. A maximum 25 profiles can be saved in one driver, including the default profile.

A set of common profiles can be installed as optional components from the Kyocera Printer Installation Wizard.

Note: The Device Settings tab options cannot be saved to a profile.

Add Profile

Follow these steps to create a new profile.

1 Select the options you want in each Printing Preferences tab.

2 Click **Profile**.

3 Click **Add** to open the **Add Profile** dialog box.

4 Enter a **Name** for the profile, select an **Icon**, and enter an optional **Description**. The name can be up to 31 characters, the description can be up to 256 characters.

5 Click **OK** to save the profile.

6 Click **Apply** to activate the selected profile.

Note: To reset the printer driver to default settings, select the **Factory Default** profile and click **Apply**. This clears the settings of a selected profile.

Edit Profile

Follow these steps to edit a profile.

1 Click **Profile** in the Printing Preferences dialog box.

2 Select a profile and click **Edit.**

3 The **Edit Profile** dialog box appears. You can edit the **Name, Icon,** and **Description**.

4 Click **OK** to save the profile.

Delete Profile

1 Click **Profile** in the Printing Preferences dialog box.

2 Select profiles and click **Delete**.

3 Click **Yes** to delete the profiles.

Import and Export Profile

You can export and save a profile on your computer and transfer it to other computers, then use it with other printing systems. Only one profile can be exported at a time. Use the import feature to import a profile.

Export

1 Click **Profile** in the Printing Preferences dialog box.

2 Select a profile and click **Export**.

**3** The **Export Profile** dialog box appears. Name and save the profile.

Import

1 Click **Import** in the Profile dialog box.

2 Select a profile and click **Open.**

3 The profile appears in the **Select profile** list.

10 Advanced

The **Advanced** tab contains special features that extend the capabilities of the printing system. Click the button at the left of the feature name to open a dialog box containing options for that feature.

- Prologue/Epilogue inserts PRESCRIBE printing system language commands into specified pages or locations of a print job.
- Watermark adds semitransparent text to a print job.
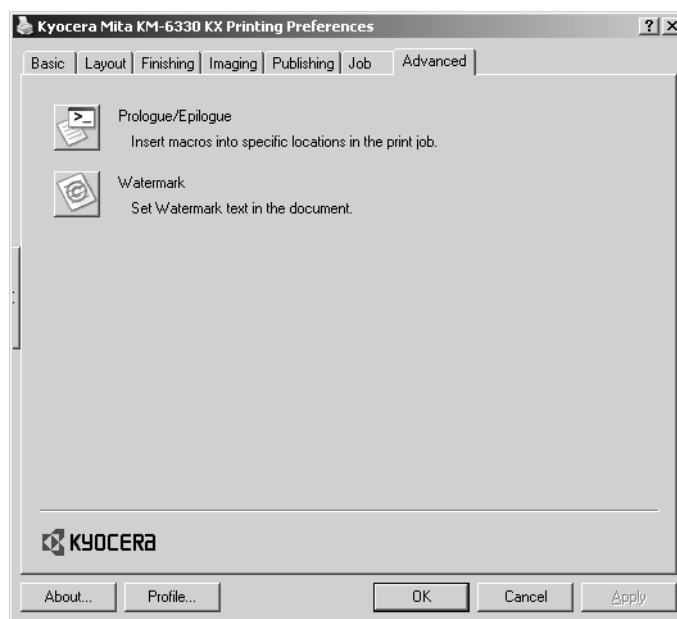
Prologue/Epilogue

Prologue/Epilogue lets an experienced PRESCRIBE user insert one or more printing system language command files into specific locations of a print job. For example, a command file may contain a macro (series of commands called to accomplish a specific task), settings for printing system emulation, an electronic form, or a graphic object such as a logo or signature.

You can add or delete command file names in the list, or select a file to edit.

- To insert a command file into the print job and enable the features in the **Prologue/Epilogue** dialog box, select a file name from the list.
- To disable **Prologue/Epilogue** features and clear selection of all command files, select **[None]** at the top of the file list. (To disable a particular command file, select the file, then select **Unassigned**.)

Select Prologue/Epilogue File to Insert

From the list, select the name of a command file to insert into the print job. (If no file names are visible in the list, you must click **Add** to browse for files on your computer or network to add to the list.) Selecting a file enables the insertion point options for that file in the dialog box.

Add

Click **Add** to browse your computer or network for command files. The files are plain text format and typically have a file name extension of either .txt, or .log.

Edit

Select a file name in the list, then click **Edit**. Microsoft Notepad opens for editing the file text. To return to the Prologue/Epilogue dialog box, save any changes to the file and exit Notepad.

Note: Editing a file changes the original file in the computer or network directory.

Delete

Select a Prologue/Epilogue file name, then click **Delete**. In the message box, click **Yes** to confirm the deletion. To refuse the deletion, click **No**.

Note: The file name only is removed from the Prologue/Epilogue list. The original file itself is not deleted; it remains in the computer or network directory.

Insertion Point

Each file in the list can be assigned only one insertion point. Choose one of the following insertion point options:

Unassigned

The selected command file is not inserted into the print job. This is useful if the list contains several command files, and you want to print some but not others. Select **Unassigned** for the files you do not want to print.

Note: To disable all command files (thereby disabling the entire Prologue/Epilogue feature), select **[None]** at the top of the file list.

Beginning of the print job

The command file is inserted as the first page of the print job. The document starts printing on the second page.

End of the print job

The command file is inserted as the last page of the print job, which prints after the last page of the document.

Note: The following **Start of the page** and **End of the page** insertion point options are available only when PCL 5e or PCL 5c is selected as the PDL (Page Description Language). To view or change PDL settings, go to **Properties**, click the **Device Settings** tab, and click **PDL**.

Start of the page

The command file is inserted at the top of each page of the print job.

End of the page

The command file is inserted at the bottom of each page of the print job.

With **Start of the page** or **End of the page** selected, choose one of the following page options:

Only on odd pages

The command file is inserted into all odd-numbered pages.

Only on even pages

The command file is inserted into all even-numbered pages.

Pages

To insert the command file into specific pages, type individual page numbers separated by commas in the text box, or a page range separated by a hyphen.

For example, if you type **2** in the text box, the command file is inserted only into page 2. If you type **1**, **3**, **5-12** the command file is inserted into page 1, page 3, and pages 5 through 12.

If the **Pages** option is selected and you click **OK** without entering any numbers, you will be prompted to specify page numbers.

Watermark

Use the Watermark feature to create, arrange, and print semitransparent text in the background of a document. You can choose one of four standard watermarks or create your own text. The preview area at the left of the dialog box shows how the watermark appears on a page. This is useful for viewing any adjustments you make to the appearance and location of the text.

Select Watermark

Select a watermark from the **Select watermark** list. The selection list contains four standard watermarks: Confidential 1, Confidential 2, Sample and Copy. For details on creating your own watermarks, see *Add Watermark* on page 10-4.
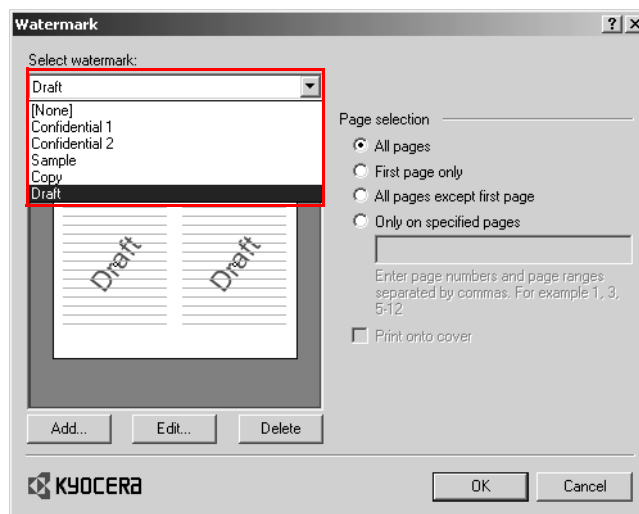
Page selection

Page selection options are enabled after a watermark is selected from the list. Choose one of the following:

All pages

The watermark prints on every page of the document.

First page only

The watermark prints only on the first page of the document.

All pages except first page

The watermark prints on all pages of the document except the first page.

Only on specified pages

To print the watermark only on specific pages, type individual page numbers separated by commas in the text box, or a page range separated by a hyphen.

For example, if you type 2 in the text box, the watermark prints only on page 2. If you type 1, 3, 5-12 the watermark prints on page 1, page 3, and pages 5 through 12.

If the **Only on specified pages** option is selected and you click **OK** without entering any numbers, you will be prompted to specify page numbers.

Print onto outside front cover

Select **Print onto outside front cover** to print the watermark on a separate front cover page before the document prints. This option is enabled when **Cover mode** is selected in the **Publishing** tab.

If **Cover mode** and **Front outside** are selected in the Publishing tab, the **Print onto front outside cover** option in the Watermark dialog box shows as selected, but is disabled. This is because cover printing is already enabled by the two Publishing tab selections.

In the **Publishing** tab you can also select different media for the cover than that used for the rest of the print job.

Add Watermark

You can create your own custom watermarks with different fonts, styles, colors, sizes, positions, and angles. You can also set **Count** to have the watermark appear multiple times on the page.

1 Click **Add** to open the **Add Watermark** dialog box.

2 Type a descriptive name for your watermark in the **Watermark name** text box. The name can be different from the actual watermark text. After the new watermark is added, the name appears in the **Select watermark** list.

3 Type the text you want to print as a watermark in the **Watermark text** box. Your text will appear in the preview area at the left of the dialog box.

4 To add the new custom watermark, click **OK**. To exit the dialog box without saving the watermark, click **Cancel**.

Additional Text Options

Fonts

Select a font for the new watermark from the **Font** list, and select a font style, color, and size.

In the **Count** box, enter the number of watermarks to appear on a page, from 1 to 20. Selecting a number greater than 1 in **Count** enables the **Spacing** option. Enter a number for the distance between multiple watermarks, in tenths of an inch or millimeters. The unit (inches or millimeters) is selected in the **User Settings** dialog box, accessed from the **Device Settings** tab.

Use the preview area and the **Position** or **Angle** features to adjust where the watermark prints on the page.
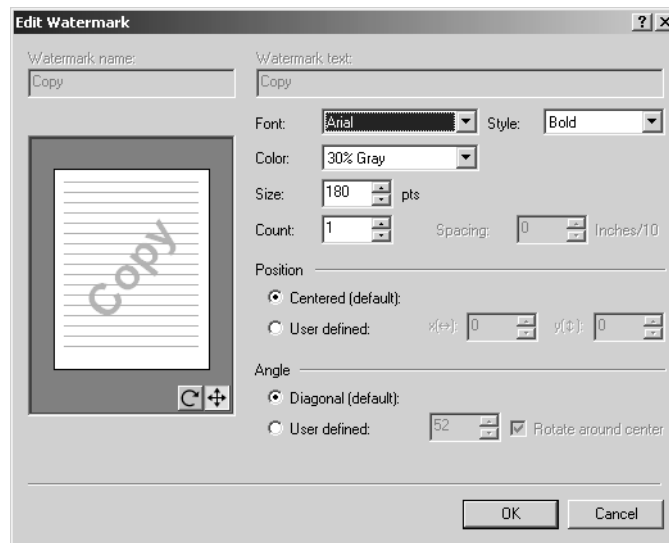
Position

Click the position button [+] to change the position of the watermark without changing the angle. Position the cursor anywhere in the preview area. Click and hold as you move the mouse, adjusting the watermark image as you want it to appear on the printed page.

The following options provide additional means for positioning watermark text:

Centered [default]: Places the center of the watermark text in the center of the page.

User defined: Select, and then use the x and y boxes to move the text from the center of the page:

- A positive x value moves the watermark text to the right.
- A negative x value moves the watermark text to the left.
- A positive y value moves the watermark text down.
- A negative y value moves the watermark text up.

Angle

Click the **angle** button ⟳ to change the angle of the watermark. Position the cursor anywhere in the preview area. Click and hold as you move the mouse, rotating the watermark image to as you want it to appear on the printed page

The method of rotation is determined by selecting or clearing the **Rotate around center** check box at the far right of the dialog box. Select the check box to rotate text around its center; clear the check box to rotate text around its left end. You must select **User defined** in both **Angle** and **Position** to enable the **Rotate around center** option.

The following options provide additional means for positioning watermark text:

Diagonal [default]: Places the watermark at the default angle of 52 degrees.

User defined: Select to change the angle from the default value. Enter the number for the angle you want. An angle is measured in degrees, ranging from 0 to 360.

Selecting and Creating Custom Colors (Color Models Only)

1 To use a predefined color for the watermark text, select one from the **Color** list.

2 For more colors, select **Custom** at the bottom of the list. Click the [**…**] button to open the **Color** dialog box.

3 Click one of the **Basic colors** and click **OK**; or click **Define Custom Colors** to open the color spectrum panel.
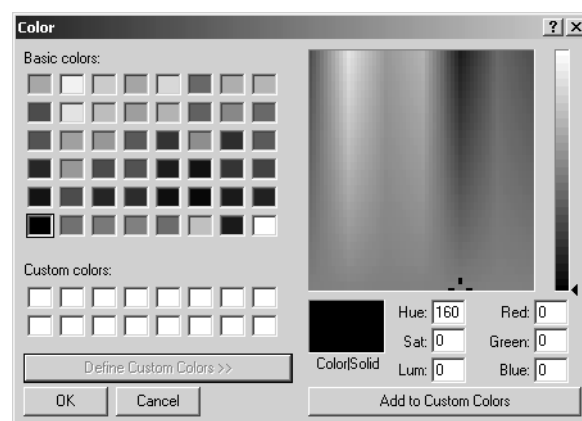
4 In the color spectrum, click and drag the pointer to different areas of the spectrum to adjust the hue and saturation levels. The corresponding numeric values appear in the **Hue**, **Sat**, and RGB (**Red**, **Green**, **Blue**) text boxes. Click and drag the slider at the right side of the color spectrum to adjust the luminosity (relative lightness or darkness) of a color. The corresponding numeric value appears in the **Lum** and RGB text boxes.

5 You can also create a specific color by typing numbers in the **Hue**, **Sat**, **Lum** or RGB text boxes.

6 Click **Add to Custom Colors** to save the new color to the **Custom colors** at the bottom left of the **Color** dialog box.

7 Click **OK** to save any new custom colors and close the **Color** dialog box. To close the dialog box without saving any new colors, click **Cancel**.

Edit Watermark

The **Edit Watermark** feature lets you select an existing watermark and make changes to its appearance and properties. For standard watermarks, the **Watermark name** and **Watermark text** cannot be changed.

1 From the **Select watermark** list, select a watermark to edit.

2 Click **Edit** to open the **Edit Watermark** dialog box.

3 Make any adjustments you want to the watermark. For details on how to change watermark properties, refer to *Add Watermark* on page 10-4.

4 When you are finished editing, click **OK** to save any changes you made to the watermark. To exit the dialog box without saving the changes, click **Cancel**.

Delete Watermark

The **Delete** feature lets you delete custom watermarks that were added. The standard watermarks cannot be deleted.

1 From the **Select watermark** list, select a watermark to delete.

2 Click **Delete**.

3 In the message box, click **Yes** to confirm the deletion. To refuse the deletion, click **No**.

Glossary

A   **Access code**   A four-digit code you must enter at the printing system's operation panel to print a Private Print job. An access code can also be used with the Job storage feature.

Auto Configure   Device settings feature that queries a printing system through the network and automatically retrieves settings for optional devices, memory, and RAM disk. Driver settings will be updated with information received from the physical printing system. Installed devices will be displayed in the 3-D image.

B   **Barcode reader**   Optional device that attaches to your printing system and scans barcodes on a print job or code list. You can use a barcode reader with Permanent, Temporary, or Virtual Mail Box jobs, to print them or delete them from the hard disk.

Booklet   Layout mode that prints a multi-page document in a booklet format by using a duplex unit. Two pages are printed on each side of a sheet to create a document that can be read like a book. For some models, finishing devices are available to fold and staple booklets.

C   **Cassette**   Input paper tray.

D   **dpi**   Dots per inch. See also Resolution.

Duplex unit   Optional accessory that supports two-sided document printing.

E   **EcoPrint**   Printing mode that reduces the amount of toner placed on the printed page. It extends the life of the toner cartridge. Because toner saturation is reduced, the entire image, text and graphics, will appear lighter in the printed job. EcoPrint does not increase print speed.

e-MPS   Job storage that lets you store print jobs in the printing system's memory so that you can access and print the job again later from the printing system's operation panel. For most e-MPS options, an optional Hard disk must be installed.

F   **Fast printing**   Printing mode that decreases spool size and increases print speed.

Finisher   Optional device for stapling, folding, punching, or sorting print jobs.

Form gallery   Job feature that stores up to 100 frequently used forms or images in the printing system's memory for easy access and retrieval. Saved forms can be combined with other documents at the printing system's operation panel.

G   **GDI compatible mode**   A page description language that accurately reproduces what is viewed on the screen using the Microsoft Graphical Device Interface (GDI) component to render the document. It generates data in a raster printing format, creating a larger printable file.

Gutter   Blank space on the left side or top of a printed page that can be increased by scaling down text and graphics. This supports stapling and hole punching. When used with Duplex printing, the enlarged blank space lines up evenly on both sides of the sheet. The larger blank space is created by shifting the printable area to the right or down as much as one inch (25.4 mm).

H

Halftone screen   Imaging process that breaks down an image into dots. An experienced user can adjust Halftone screen settings to create shades of gray in graphic images. Larger dots spaced close together create darker shades, and smaller dots spaced farther apart create lighter shades. Shading can be varied by adjusting the number of rows of dots, the angle at which rows of dots are placed, and the shape of the dots.

J

Job accounting   An accounting system that records and controls the number of pages printed by each account ID. Account IDs can be assigned at the printing system and stored in the driver. Once account IDs are assigned, use Job accounting to print in the Copy Management mode.

Job storage   Job feature that saves print jobs for printing at a later time. Jobs are stored permanently on the printing system's optional Hard disk: they are not deleted when the printing system is powered off. Job Storage offers a secure print option using a four-digit Access code. Secure print jobs cannot be printed until requested, using the Access code, at the printing system's operation panel.

KM-NET   Software that provides network-wide management of printers and copiers.

Kyocera image refinement (KIR)   Imaging feature that smooths the edges of text and vector graphics.

M

Mailbox   Print job destination option that distributes print jobs to output trays when an optional device such as a Sorter stacker, Document finisher, or Mailbox is installed. Compare with Virtual Mailbox.

Manual duplex   Method for printing on both sides of a sheet when the printing system does not support a duplex unit. After the first half of the print job has been printed, the job can be flipped over and fed from the cassette for the second side printing.

Monochrome   Imaging mode that uses black toner only. When used with color models, all color settings are constrained.

MP tray   Source tray used for labels, transparencies, envelopes, and custom printing media.

O

Offset jobs   Finishing mode that physically shifts each print job in the output tray. This feature requires an optional finishing device such as a Booklet stitcher or Multi finisher.

Operation panel   The keys and display on the printing system. Use the Operation panel to set options such as media type and RAM disk size, and to print jobs stored on the optional Hard disk.

P

PDL   Page Description Language. This is the language used by your computer to tell the printing system how to print a document. Availability of some printing options depends on the selected PDL. Available page description languages are PCL XL, PCL 5e (monochrome models only), PCL 5c (color models only), and KPDL.

Permanent job storage   Job storage stores print jobs in the printing system's optional Hard disk. Jobs stored on the Hard disk can only be removed by manual deletion, so are protected from being erased when the printing system is powered off or reset. For some models, a barcode can be printed on a Permanent print job.

Poster   Layout feature for printing a document in a larger size than the maximum supported by the printer so the cumulative sheets can be assembled as a poster. Use this feature to print a document in a large, eye-catching poster format, up to 25 times larger than the original document size.

PRESCRIBE   Kyocera's scripting language that you can use to embed commands into specified locations in a print job. See also Prologue/Epilogue.

Private print   Job feature that sends secure print jobs to the printing system with a four-digit Access code and stores them in RAM disk memory or an optional Hard disk. The job is printed out at the operation panel by using the Access code.

Profile   A set of user defined driver settings that you save as a group. Once saved, you can select a profile by name and apply its settings to a print job without selecting each feature individually.

Prologue/Epilogue   Advanced feature that allows you to insert a macro into specific locations in the print job. An advanced user may choose to use this feature to embed a PRESCRIBE command that will call a macro to overlay PRESCRIBE form data or a graphic object, such as a logo or a signature, at a specific point in the print job.

Proof and hold   Job feature that prints one copy of a multiple copy job and then stores the remaining copies in RAM disk memory or an optional Hard disk. Once the first copy has been reviewed, the remaining copies can be printed or deleted at the printing system's operation panel. Proof and hold jobs are stored temporarily and are deleted when the printing system is reset or powered off.

Q

Quick copy   Job feature that prints all copies of a job, then saves the job on the printing system's optional Hard disk temporarily for later access. The stored Quick copy jobs can be accessed from the printing system's operation panel.

R

RAM disk   Printing system memory that lets you set up an area within the printing system memory as a virtual hard disk for faster printing. RAM disk is not an attached device, but an allocation of existing printing system memory. RAM disk is temporary. All data sent to RAM disk memory will be lost when the printing system is reset or the power is turned off.

Resolution   The number of dots printed in one inch. Higher resolution improves the quality of detailed printed images.

Reverse page order   Print output option that sends to a print job destination from the last page to the first. This option is unavailable when Printer default is selected.

Rotate copies   Finishing mode that draws every other copy from a separate tray and stacks them in a collated, multi-copy print job. The final stack clearly distinguishes each copy horizontally and vertically. For restrictions see *Finishing* chapter.

S

Separation   Finishing option that stacks print jobs in an output tray so that one print job or copy is clearly distinguished from another. Separation options include Offset jobs and Rotate copies.

Synergy print box (SPB)   Job feature that combines electronic and copier data into one document and stores it in your choice of virtual output print boxes. Copier documents and print jobs from various applications can be combined. The job is printed out at the operation panel by selecting the Synergy print box ID number.

T

Tandem print   Job option that distributes a large print job between two printing systems, effectively doubling print speed and providing backup printing support. Requires installation of the Tandem unit.

Temporary job storage   Job feature that stores print jobs on the printing system's optional Hard disk. Jobs are removed from memory when the Hard disk becomes full. For some models, a barcode can be printed on a Temporary print job.

Transparency   Clear sheet used as printing media.

Transparency interleaving   A Publishing feature that inserts a backing sheet between printed transparencies. The backing sheet, also known as an interleaf, helps keep transparencies clean and prevents the transparencies from clinging together.

V

Virtual mail box   Job feature that sends print jobs to a choice of virtual output trays, where they are sorted and stored in the optional Hard disk rather than in physical mailboxes attached to the printing system. Jobs accumulate in a numbered virtual output tray until printed. To print, specify the virtual output tray number using the printing system's operation panel or an optional Barcode reader. Virtual mail box print jobs are deleted after printing. A total of 255 Virtual mail boxes can be assigned.

W

Watermark   Advanced feature that lets you add semitransparent text to a document.

Appendix Available Fonts

MTI (AGFA) 80 FONTS			
Font Name	**File Name**	**Font Name**	**File Name**
Albertus Extra Bold	**KYCW1_1.TTF**	*ITC Avant Garde Gothic Book Oblique*	**KYCW1_48.TTF**
Albertus Medium	**KYCW1_0.TTF**	**ITC Avant Garde Gothic Demi**	**KYCW1_49.TTF**
Antique Olive	**KYCW1_2.TTF**	***ITC Avant Garde Gothic Demi Oblique***	**KYCW1_50.TTF**
Antique Olive Bold	**KYCW1_4.TTF**	**ITC Bookman Demi**	**KYCW1_53.TTF**
Antique Olive Italic	**KYCW1_3.TTF**	***ITC Bookman Demi Italic***	**KYCW1_54.TTF**
Arial	**KYCW1_5.TTF**	ITC Bookman Light	**KYCW1_51.TTF**
Arial Bold	**KYCW1_7.TTF**	*ITC Bookman Light Italic*	**KYCW1_52.TTF**
Arial Italic	**KYCW1_6.TTF**	*ITC Zapf Chancery Medium Italic*	**KYCW1_79.TTF**
Arial Bold Italic	**KYCW1_8.TTF**	❋❂❑❀ ITC Zapf Dingbats	**KYZAPF.TTF**
CG Times	**KYCW1_27.TTF**	Letter Gothic	**KYCW1_19.TTF**
CG Times Bold	**KYCW1_29.TTF**	Letter Gothic Bold	**KYCW1_21.TTF**
CG Times Italic	**KYCW1_28.TTF**	*Letter Gothic Italic*	**KYCW1_20.TTF**
CG Times Bold Italic	**KYCW1_30.TTF**	*Marigold*	**KYCW1_22.TTF**
CG Omega	**KYCW1_23.TTF**	New Century Schoolbook Roman	**KYCW1_67.TTF**
CG Omega Bold	**KYCW1_25.TTF**	**New Century Schoolbook Bold**	**KYCW1_69.TTF**
CG Omega Italic	**KYCW1_24.TTF**	*New Century Schoolbook Italic*	**KYCW1_68.TTF**
CG Omega Bold Italic	**KYCW1_26.TTF**	***New Century Schoolbook Bold Italic***	**KYCW1_70.TTF**
Clarendon Condensed Bold	**KYCW1_9.TTF**	Palatino	**KYCW1_71.TTF**
Coronet	**KYCW1_10.TTF**	**Palatino Bold**	**KYCW1_73.TTF**
Courier	**KYCW1_11.TTF**	*Palatino Italic*	**KYCW1_72.TTF**
Courier Bold	**KYCW1_13.TTF**	***Palatino Bold Italic***	**KYCW1_74.TTF**
Courier Italic	**KYCW1_12.TTF**	Σψμβολ Symbol	**KYSYM.TTF**
Courier Bold Italic	**KYCW1_14.TTF**	Σψμβολ SymbolPS	**KYSYM1.TTF**
CourierPS	**KYCW1_55.TTF**	Times Roman	**KYCW1_75.TTF**
CourierPS Bold	**KYCW1_57.TTF**	**Times Bold**	**KYCW1_77.TTF**
CourierPS Oblique	**KYCW1_56.TTF**	*Times Italic*	**KYCW1_76.TTF**
CourierPS Bold Oblique	**KYCW1_58.TTF**	***Times Bold Italic***	**KYCW1_78.TTF**
Garamond Antiqua	**KYCW1_15.TTF**	Times New Roman	**KYCW1_31.TTF**
Garamond Halbfett	**KYCW1_17.TTF**	**Times New Roman Bold**	**KYCW1_33.TTF**
Garamond Kursiv	**KYCW1_16.TTF**	*Times New Roman Italic*	**KYCW1_32.TTF**

Garamond Halbfett Kursiv	**KYCW1_18.TTF**	*Times New Roman Bold Italic*	**KYCW1_34.TTF**
Helvetica	**KYCW1_59.TTF**	**Univers Bold**	**KYCW1_37.TTF**
Helvetica Bold	**KYCW1_61.TTF**	**Univers Bold Condensed**	**KYCW1_41.TTF**
Helvetica Oblique	**KYCW1_60.TTF**	***Univers Bold Italic***	**KYCW1_38.TTF**
Helvetica Bold Oblique	**KYCW1_62.TTF**	***Univers Bold Condensed Italic***	**KYCW1_42.TTF**
Helvetica Narrow	**KYCW1_63.TTF**	Univers Medium	**KYCW1_35.TTF**
Helvetica Narrow Bold	**KYCW1_64.TTF**	Univers Medium Condensed	**KYCW1_39.TTF**
Helvetica Narrow Oblique	**KYCW1_65.TTF**	*Univers Medium Italic*	**KYCW1_36.TTF**
Helvetica Narrow Bold Oblique	**KYCW1_66.TTF**	*Univers Medium Condensed Italic*	**KYCW1_40.TTF**
ITC Avant Garde Gothic Book	**KYCW1_49.TTF**	✆⌘■Ⓨ Wingdings	**KYWD_29.TTF**

Index

KYOCERA MITA EUROPE B.V.

Hoeksteen 40, 2132 MS Hoofddorp,
The Netherlands
Phone: +31.(0)20.654.0000
Home page: http://www.kyoceramita-europe.com
Email: info@kyoceramita-europe.com

KYOCERA MITA NEDERLAND B.V.
Hoeksteen 40 2132 MS Hoofddorp,
The Netherlands
Phone: +31.(0)20.587.7200

KYOCERA MITA (UK) LTD.
8 Beacontree Plaza
Gillette Way, Reading Berks RG2 0BS,
UK
Phone: +44.(0)118.931.1500

KYOCERA MITA ITALIA S.P.A.
Via Verdi 89 / 91 20063 Cernusco sul Naviglio,
(Milano), Italy
Phone: +39.02.92179.1

S.A. KYOCERA MITA BELGIUM N.V.
Hermesstraat 8A 1930 Zaventem,
Belgium
Phone: +32.(0)2.720.9270

KYOCERA MITA FRANCE S.A.
Parc Les Algorithmes, Saint Aubin
91194 GIF-SUR-YVETTE,
France
Phone: +33.(0)1.6985.2600

KYOCERA MITA ESPAÑA S.A.
Edificio Kyocera, Avda de Manacor N. 2,
Urb. Parque Rozas 28290 Las Rozas, Madrid,
Spain
Phone: +34.(0)91.631.8392

KYOCERA MITA FINLAND OY
Kirvesmiehenkatu 4 00810 Helsinki,
Finland
Phone: +358.(0)9.4780.5200

KYOCERA MITA (SCHWEIZ) AG
Industriestrasse 28, 8604 Volketswil,
Switzerland
Phone: +41.(0)1.908.4949

KYOCERA MITA DEUTSCHLAND GMBH
Mollsfeld 12-40670 Meerbusch,
Germany
Phone: +49.(0)2159.918.0

KYOCERA MITA GMBH AUSTRIA
Eduard-Kittenberger Gasse 95
A-1230 Wien,
Austria
Phone: +43.(0)1.86338.401

KYOCERA MITA SVENSKA AB
Vretenragen 2, 6tr 171 54 Solna,
Sweden
Phone: +46.(0)8.546.550.00

KYOCERA MITA NORGE
Postboks 150 Oppsal, NO 0619 Oslo
Olaf Helsetsvei 6, NO 0694 Oslo,
Norway
Phone: +47.(0)22.62.73.00

KYOCERA MITA DANMARK A/S
Slotsmarken 11, 2 DK-2970 Hørsholm,
Denmark
Phone: +45.7022.3880

KYOCERA MITA PORTUGAL LDA.
Rua do Centro Cultural, no 41 1700-106 Lisbon,
Portugal
Phone: +351.(0)21.843.6780

KYOCERA MITA SOUTH AFRICA (PTY) LTD.
527 Kyalami Boulevard,
Kyalami Business Park Midrand,
South Africa
Phone: +27.(0)11.540.2600

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road,
Fairfield, New Jersey 07004-0008,
U.S.A.
Phone: (973) 808-8444

KYOCERA MITA AUSTRALIA PTY. LTD.
Level 3, 6-10 Talavera Road, North Ryde,
N.S.W. 2113 Australia
Phone: (02) 9888-9999

KYOCERA MITA NEW ZEALAND LTD.
1-3 Parkhead Place, Albany
P.O. Box 302 125 NHPC, Auckland,
New Zealand
Phone: (09) 415-4517

KYOCERA MITA (THAILAND) CORP., LTD.
9/209 Ratchada-Prachachem Road,
Bang Sue, Bangkok 10800, Thailand
Phone: (02) 586-0320

KYOCERA MITA SINGAPORE PTE LTD.
121 Genting Lane, 3rd Level,
Singapore 349572
Phone: 67418733

KYOCERA MITA HONG KONG LIMITED
11/F., Mita Centre,
552-566, Castle Peak Road,
Tsuen Wan, New Territories,
Hong Kong
Phone: 24297422

KYOCERA MITA TAIWAN Corporation.
7F-1~2, No.41, Lane 221, Gangchi Rd.
Neihu District, Taipei, Taiwan, 114. R.O.C.
Phone: (02) 87511560

KYOCERA MITA Corporation

2-28, 1-chome, Tamatsukuri, Chuo-ku
Osaka 540-8585, Japan
Phone: (06) 6764-3555
http://www.kyoceramita.com

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-6000

New York Branch:
1410 Broadway 23rd floor
New York, NY 10018
TEL : (917) 286-5400
FAX : (917) 286-5402

Northeastern Region:
225 Sand Road,
Fairfield, New Jersey 07004-0008
TEL : (973) 808-8444
FAX : (973) 882-4401

Midwestern Region:
201 Hansen Court Suite 119
Wood Dale, Illinois 60191
TEL : (630) 238-9982
FAX : (630) 238-9487

Western Region:
14101 Alton Parkway,
Irvine, California 92618-7006
TEL : (949) 457-9000
FAX : (949) 457-9119

Southeastern Region:
1500 Oakbrook Drive,
Norcross, Georgia 30093
TEL : (770) 729-9786
FAX : (770) 729-9873

Southwestern Region:
2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 550-8987
FAX : (972) 252-9786

**National Operation Center
& National Training Center:**
2825 West Story Road,
Irving, Texas 75038-5299
TEL : (972) 659-0055
FAX : (972) 570-5816

Latin America Division:
8240 N.W. 52nd. Terrace Dawson Building,
Suite 108 Miami, Florida 33166
TEL : (305) 421-6640
FAX : (305) 421-6666

KYOCERA MITA CANADA, LTD.

6120 Kestrel Road, Mississauga,
Ontario L5T 1S8, Canada
TEL : (905) 670-4425
FAX : (905) 670-8116

KYOCERA MITA MEXICO, S.A. DE C.V.

Av. 16 de Septiembre #407
Col. Santa Inés,
Azcapotzalco México,
D.F. 02130, México
TEL : (55) 5383-2741
FAX : (55) 5383-7804