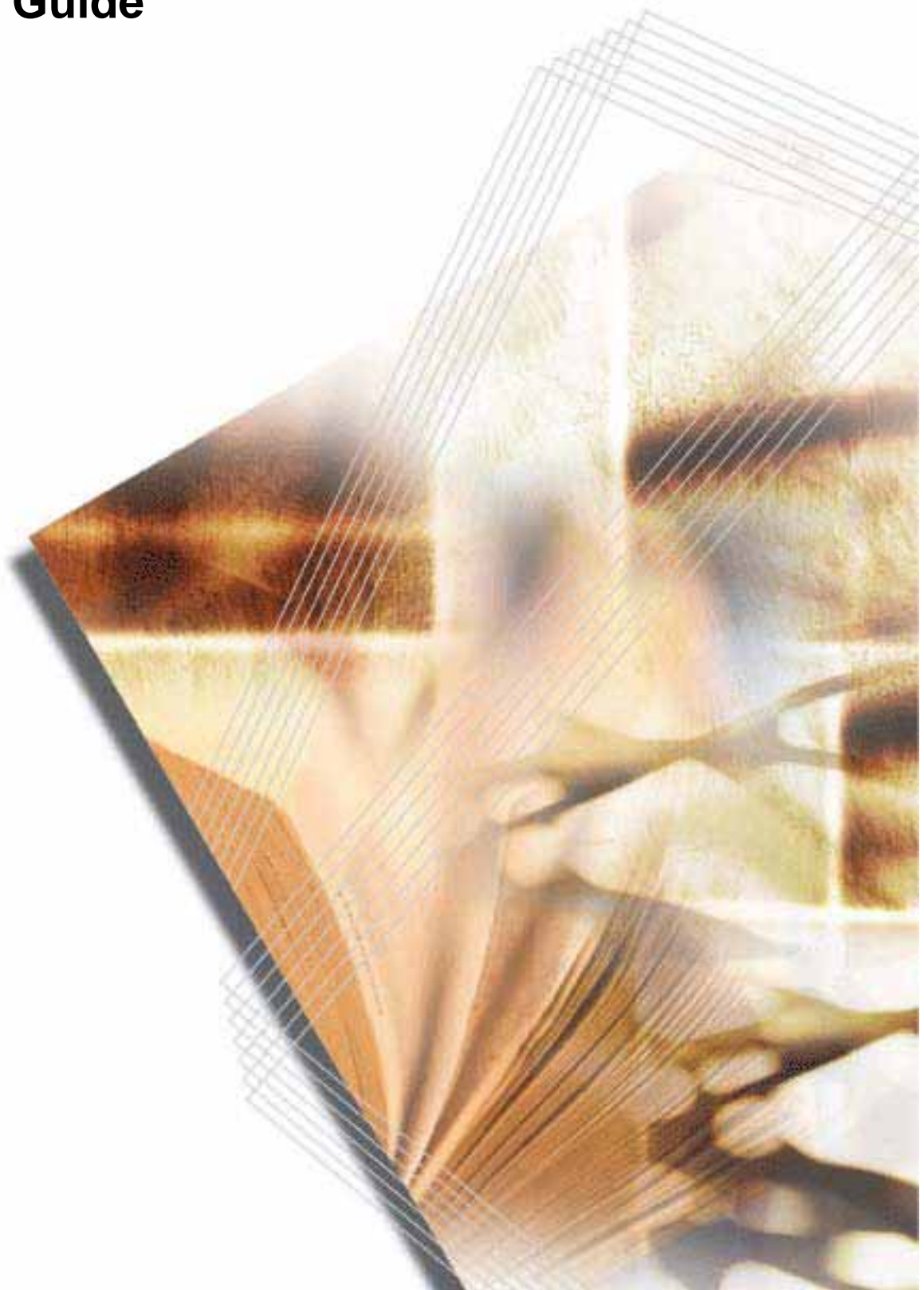


Kyocera Extended Driver  
**User Guide**



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

## Models supported by the KX printer driver

<b>Copier/MFP</b>	KM- 1510	KM- 2550	KM- 5530	KM- C850D
	KM- 1530	KM- 3035	KM- 6230	KM- C2630
	KM- 1810	KM- 3530	KM- 6330	KM- C2630
	KM- 1815	KM- 4030	KM- 7530	KM- C2630D
	KM- 1820 / FS- 1118MFP	KM- 4035	KM- 4530	
	KM- 2030	KM- 4230	KM- C830	
	KM- 2530	KM- 5035	KM- C830D	
		KM- 5230	KM- C850	
<b>Printers</b>	FS- 600	FS- 1750	FS- 6350TW	DP- 2800
	FS- 680	FS- 1800	FS- 6700	DP- 2800+
	FS- 800	FS- 1800+	FS- 6750	DP- 3600
	FS- 820	FS- 1900	FS- 6900	Ci1100
	FS- 920	FS- 1920	FS- 6950TW	FS- C8008N
	FS- 1000	FS- 3700	FS- 7000	FS- C8026N
	FS- 1000+	FS- 3700+	FS- 7000+	FS- 5800C
	FS- 1010	FS- 3718M	FS- 7028M	FS- 5900C+
	FS- 1018MFP	FS- 3750	FS- 9000	FS- 8000C
	FS- 1020D	FS- 3800	FS- 9100DN	FS- C5016N
	FS- 1050	FS- 3820N	FS- 9120DN	FS- C5020
	FS- 1200	FS- 3830N	FS- 9500DN	
	FS- 1700	FS- 6020	FS- 9520DN	
	FS- 1700+	FS- 6026	DP- 1400	
	FS- 1714M	FS- 6300	DP- 1800	

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

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Revision 1.3

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# 1. Installing the Printer Driver in Windows

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



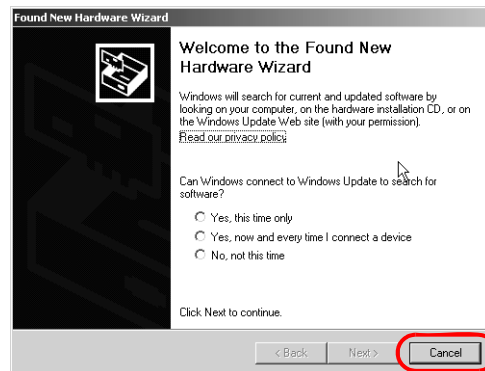
In Windows XP or 2000, you must be logged into the system with administrator privileges.



If you connect the USB cable before CD installation, it is strongly recommended that you cancel the **Found New Hardware Wizard** and install the software through the CD menu.

Browsing the CD and installing each driver separately is not recommended.

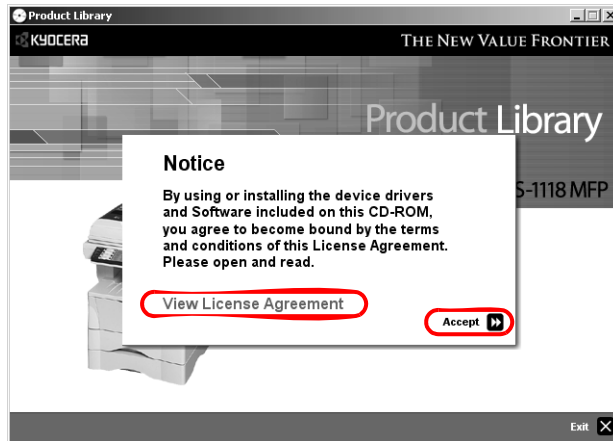
1. Ensure the power for the computer and printer are turned off.
2. Ensure that the printer is ready to print (remove packing materials, insert paper and any toner or ink cartridges) and then connect the computer and printer using either USB, a parallel cable, or a network cable. For further details on connecting the printer to the computer, refer to the printer's Operation Guide.
3. Once connected, power on both devices.
  - If the **Welcome to the Found New Hardware Wizard** dialog box displays, click **Cancel**.



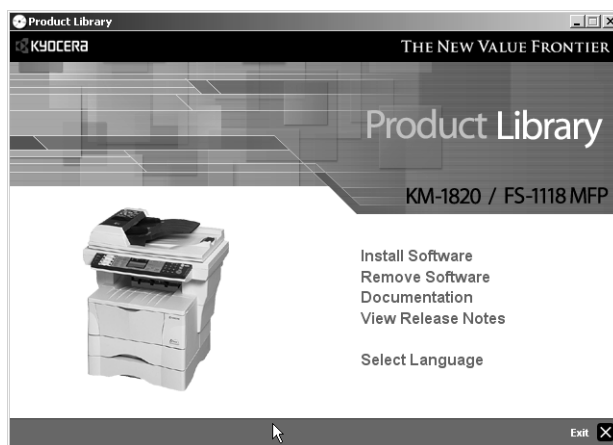
4. Insert the **Product Library CD-ROM** into the CD drive.

Once the installation program launches, the **License Agreement** displays.

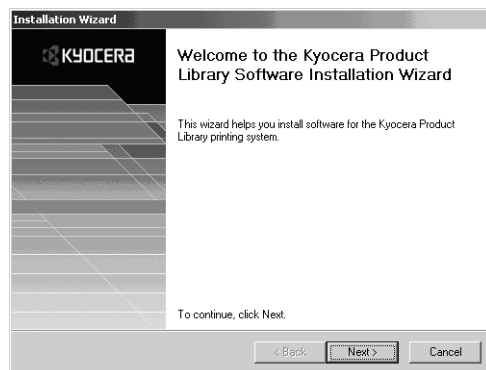
If the installation program fails to launch after inserting the CD-ROM into the CD drive, navigate to Windows Explorer, access the CD-ROM, and double-click the **Setup.exe** file.



5. Click **View License Agreement** to display and read the License Agreement.
6. Click **Accept** to proceed.
7. Click **Install Software**.



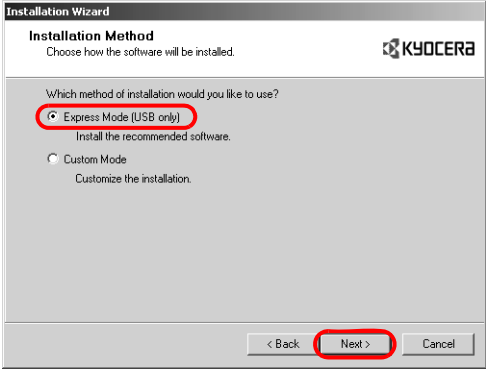
8. The **Welcome to the Kyocera Product Software Installation Wizard** dialog box appears. Click **Next**.



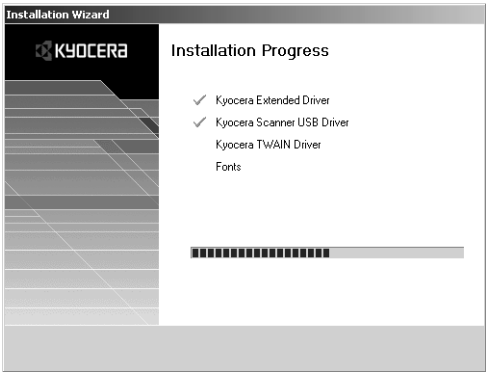
9. The **Select Method** dialog box appears. For the simple, default installation, select **Express Mode**, and click **Next**. Express mode is for USB connection only. In the Custom



method you are able to choose which software packages to install. If you wish to use the Custom method, see [Custom Installation](#) on page 9



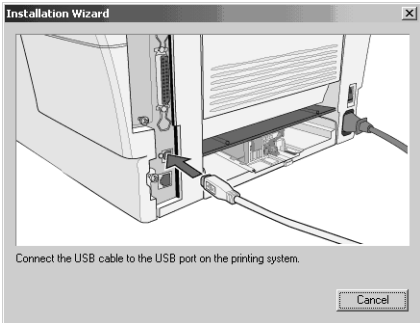
The installation program installs the software.



During installation, if your printer is not connected and powered on, you will see a reminder to connect the printer to your computer. Once the printer is connected and the power is on, the **Found New Hardware Wizard** displays. If the **Found New Hardware Wizard** does not display, reconnect the USB cable between your computer and printer.



In Windows 98 this reminder will display regardless of whether or not your printer is correctly connected. The Hardware Wizard will display when the printer is properly connected.





The following procedures should be performed for Windows 9X and Me.

For Windows XP, see [Hardware Wizard Instructions for Windows XP](#) on page 7.

In Windows 2000, all USB drivers are automatically installed without action on the part of the user.

## Express Installation

On 9x, Me and XP, the Hardware Wizard will have a line that states the type of USB connection that your equipment is using. It will have one of four types listed:

1. USB Composite Device
2. USB Scanner Device Interface 2
3. USB Scanner Device Interface 1
4. USB Printer Device Interface 0

An example is shown in the figure below. All four types follow the same steps.

1. Click **Next** to proceed to the next step.



2. Click the button for **Search for the best driver for your device.**



3. Click **Next**.

4. Select **Microsoft Windows Update** and **Specify a location** if they are not already checked. If there is no location, browse to: C:\Program Files\Kyocera\KMSL\9xDrviers. If you have customized your Program File directories or installation destinations, your file location may differ. For users who accept the defaults on installation, C:\Program Files\Kyocera\KMSL\9xDrviers is the correct location.

5. When you have ensured that the location is correct, click **Next**.



6. Click **Next** to start the installation.

When the installation of the required software is complete, the following window will display:



7. Click **Finish**.



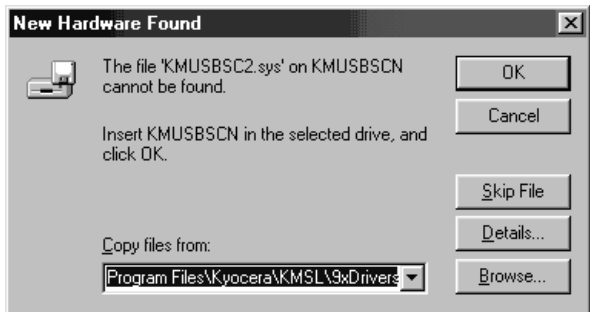
8. Click **OK**



9. Ensure that the file locations is C:\Program Files\Kyocera\KMSL\9xDrviders, and click **OK**.

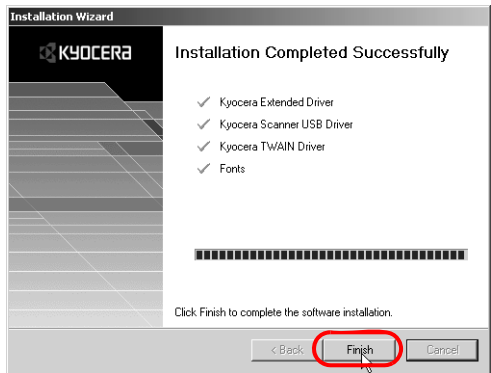


10. Click **OK**.



11. Ensure that the file locations is C:\Program Files\Kyocera\KMSL\9x\Drviere and click **OK**.

12. When the installation is complete, the **Installation Completed Successfully** dialog box appears. Click **Finish** to leave the install program and return to the disc main menu.



### Hardware Wizard Instructions for Windows XP

These procedures should be performed for Windows XP.

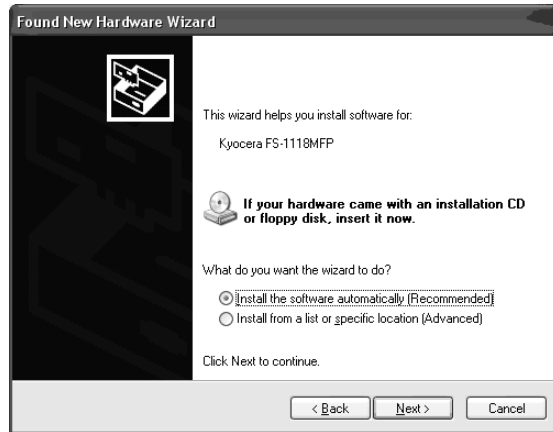


For Windows 9x and Me, see [Express Installation](#) on page 4.

In Windows 2000, all USB drivers are automatically installed without action on the part of the user.



1. Select **No**, not this time and click **Next**.



2. Click **Next**.

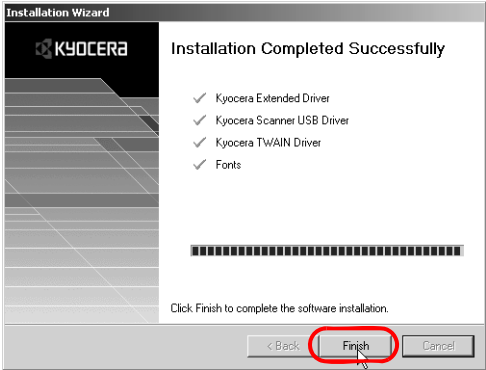


3. Click **Next**.



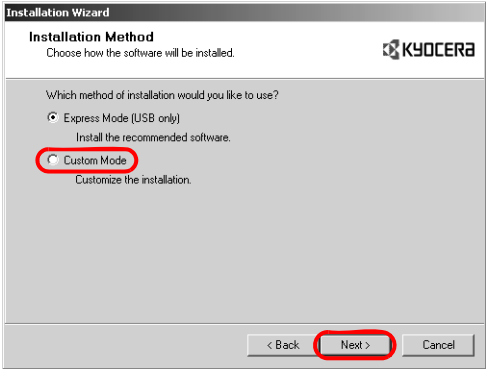
4. Click **Finish**.

5. When the installation is complete, the **Installation Completed Successfully** dialog box appears. Click **Finish** to leave the install program and return to the disc main menu.



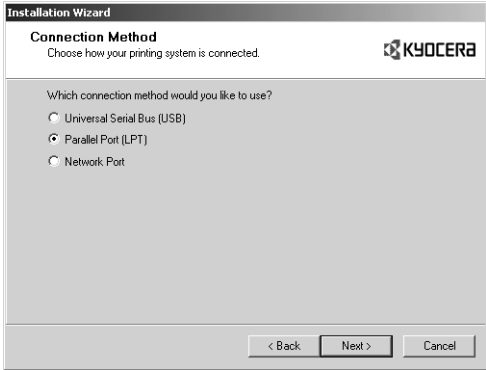
**Custom Installation**

The preceding instructions are for the Express method. This section describes the Custom installation method.

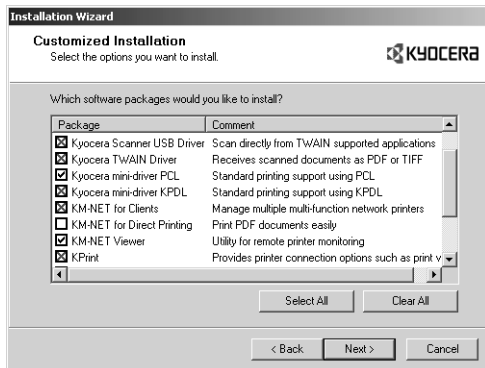


In the Custom method you are able to choose which software packages to install. For example, if you do not want to overwrite your existing fonts, you would choose the Custom install mode and then clear **Fonts** in the **Software Packages** (see below) dialog box.

- 1. Select **Custom Mode** and click **Next**.
- 2. Click the button for your connection method and click **Next**.

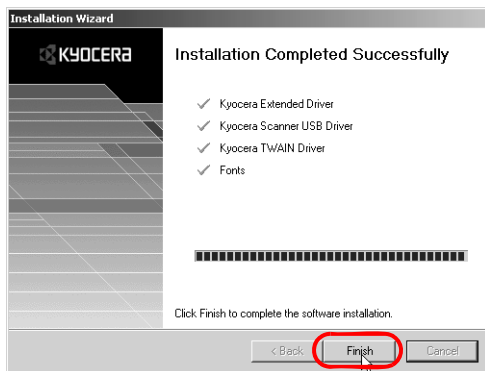


3. Select the software packages you wish to install, and clear the ones you do not want installed.

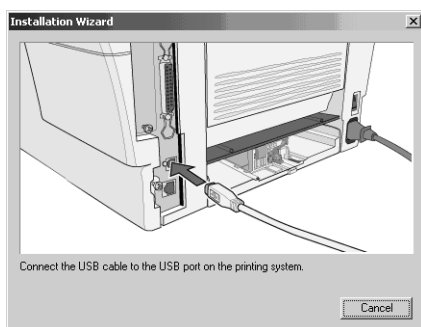


4. Click **Next**.

5. When the installation is complete, the **Installation Completed Successfully** dialog box appears. Click **Finish** to exit the Installation Wizard and return to the main menu.



At this point, you may see a reminder to connect the printer to your computer. Once you have ensured that the printer is connected, if you are using a USB connection, follow the instructions for [Express Installation](#) on page 4.



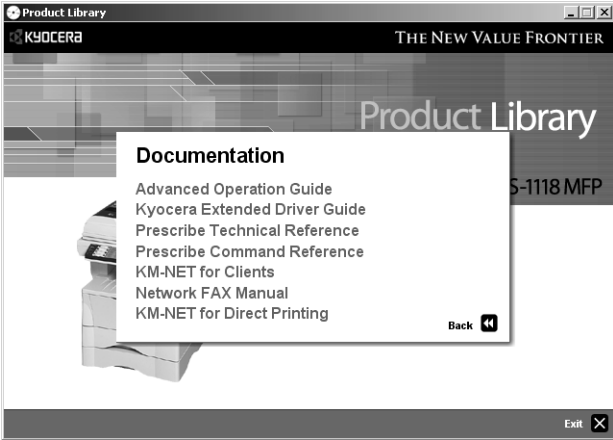


Other Options on the Installation CD

Other options available on the installation menu are Remove Software, Documentation, View Release Notes, and Select Language. **Remove Software** uninstalls any software that you have installed from the CD-ROM. The **Release Notes** is an .rtf file that lists the CD-ROM contents, Known Issues, and any information that did not make it into the manuals.



Click on **Documentation** to see a list of available manuals.



You may select your interface language from the language menu. The available languages are French, Portuguese, and Spanish. The selected language will be displayed in the Installation menus.



## Installing the Latest Printer Driver

The latest Kyocera printer driver can be obtained from <http://www.kyoceramita.com/download/>.

## Installing using the Add Printer Wizard

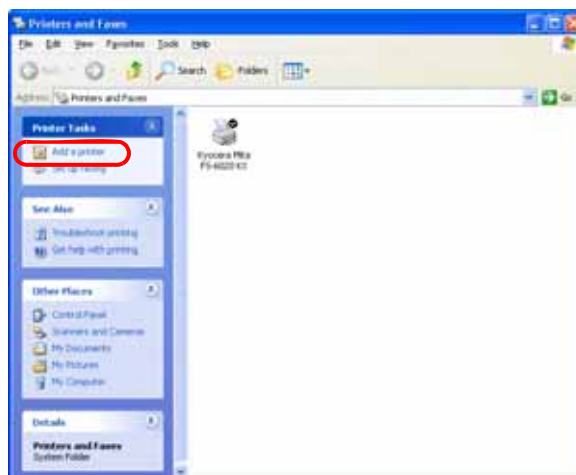
This section describes how to install a printer driver using the **Add Printer Wizard**.

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



**Windows 95/98/2000:** Click **Start** in the Windows taskbar, click **Settings-Printers** in sequence to open the **Printer** dialog box.

2. Click **Add a printer** in the **Printer Tasks** group box on the left. The **Add Printer Wizard** dialog box appears.



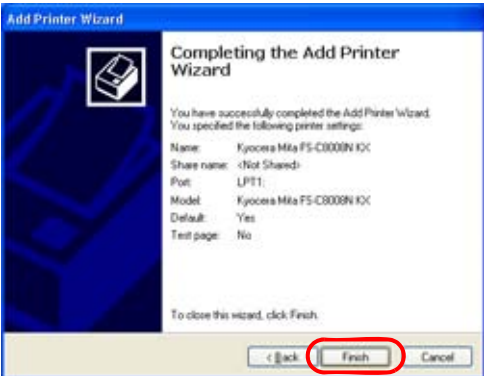


The wizard can also be launched by clicking **Add a printer** in the **File** menu.

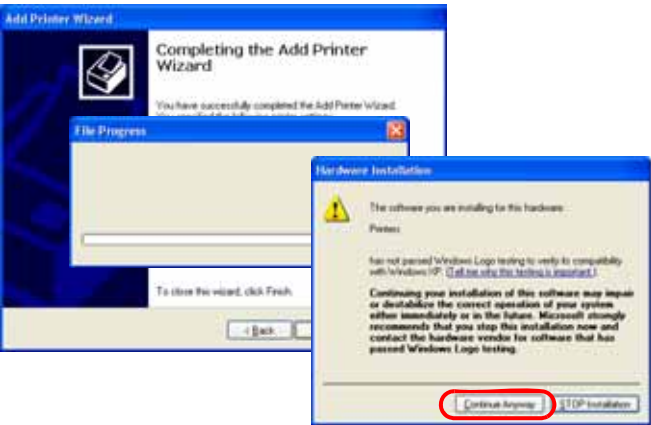
**3.** The **Welcome to the Add Printer Wizard** dialog box appears. Click **Next** and follow the instructions.



**4.** When the **Completing the Add Printer Wizard** dialog box appears, click **Finish**.



**5.** The **Hardware Installation** dialog box appears and the Hardware Installation warning message displays. If the warning message appears, click **Continue Anyway**.



Installation of the printer driver is now complete. 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 \(PDL\) Settings](#)
- [Administrator Settings](#)
- [Compatibility Settings](#)

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

## Accessing Printer Properties

### Accessing the printer driver properties

1. Click **Start** in the Windows® taskbar, and click **Printers and Faxes**. The **Printers and Faxes** window appears.

**Windows 95/98/Me/2000:** Open the **Start** menu, and click **Settings-Printers** in sequence to display the **Print** window.

2. Right-click on the printer icon in the **Printers and Faxes** window. A drop-down list appears.



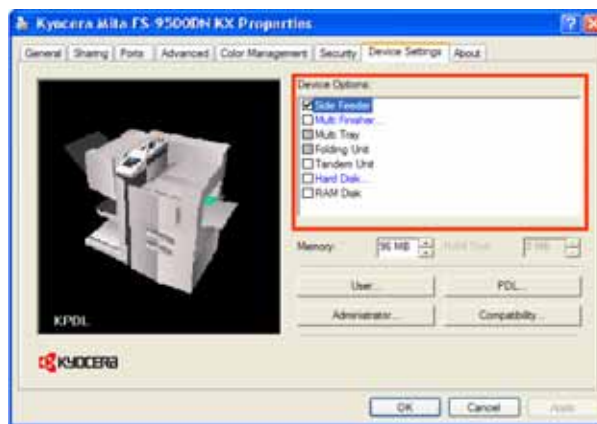
3. Click **Properties** in the drop-down list. **Properties** dialog box appears.

## Installing Optional Devices

If you use optional devices such as a paper feeder, finisher or an additional hard disk, specify the device on the Device Settings tab of the device properties. You can also specify the memory setting, PDL settings for the user, administrator settings for front panel messages passwords, and more.

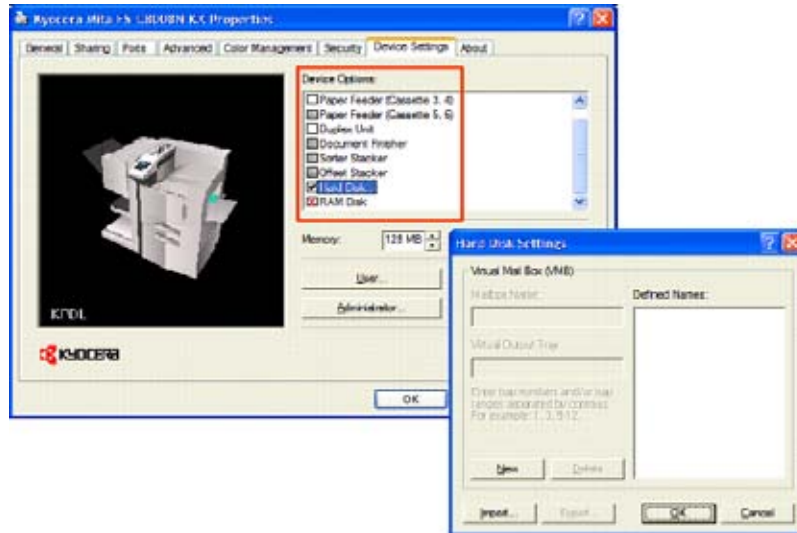
### Installing Optional Printer Devices

1. Click the **Device Settings** tab.
2. In the **Device Options** of the **Device Settings** tab, enable the check boxes for any optional devices installed in your printer.

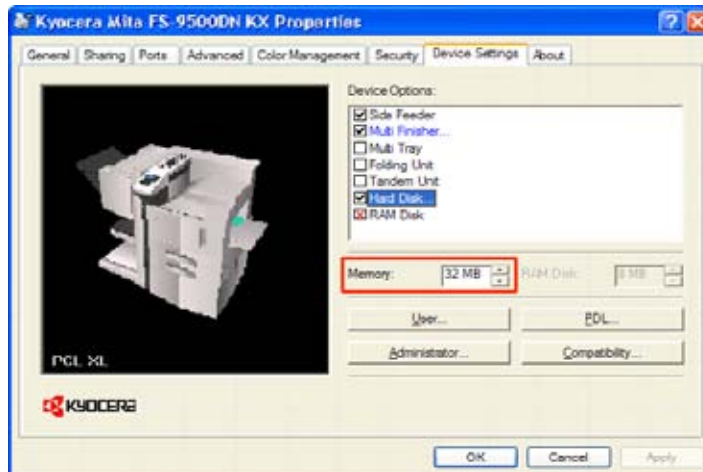


Some optional devices cannot be installed simultaneously. For example, a finisher and a booklet stitcher. After you have selected a device, all other devices will be marked with a red X, preventing the ability to select conflicting optional devices. For further details on which optional devices can be installed for each model, refer to [Table of Supported Options](#) on page 137.

3. Select the check box of an optional device shown in blue, (such as the **Finisher** options), and a sub-dialog box appears with additional setting details.



- Double-click the option to open the sub-dialog box if a device listing is already enabled.
  - The **Hard Disk Settings** dialog box appears if you select the **Hard Disk** option, enabling the configuration of virtual mailbox settings. For further details, refer to [Assigning Virtual Mailboxes](#) on page 19.
4. In the **Memory** combo box, specify the memory capacity of your printer. This setting is required to optimize the downloading of printer fonts.

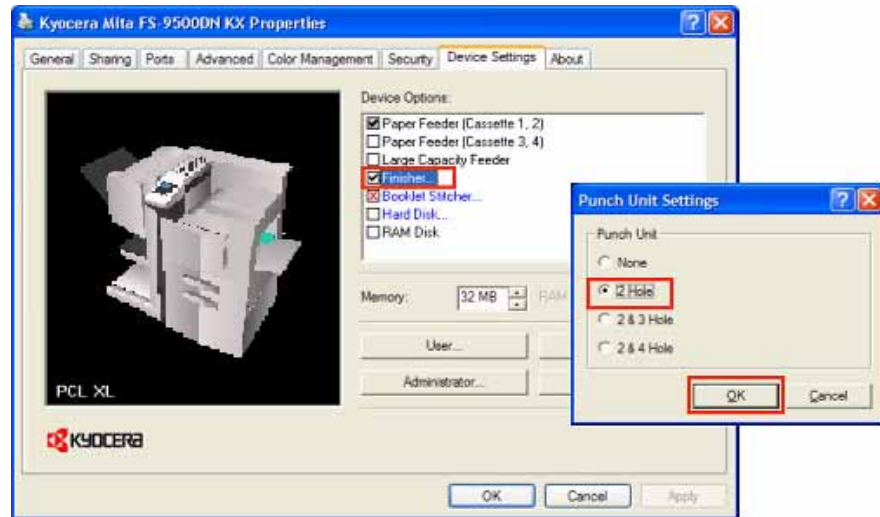


## Finisher Punch Settings

Select the **Finisher** check box in the **Device Options** list and the **Punch Unit Setting** dialog box appears. Double-click the option to display the **Punch Unit Setting** dialog box if the device listing is already enabled.



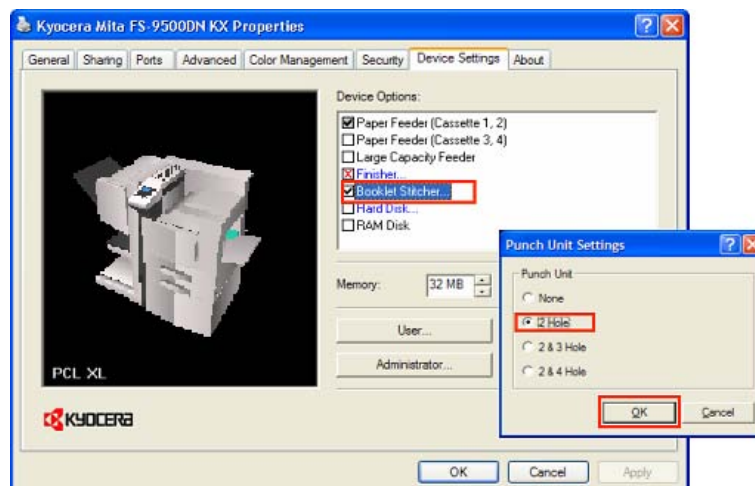
Select **2 Hole**, **2 & 3 Hole**, or **2 & 4 Hole** punch option depending on the optional punch unit attached to your finisher to enable hole punching.



### Booklet Sticher Punch Settings

The Booklet Sticher feature enables you to set the number of holes punched in each printed page. If you enable the **Booklet Sticher** check box in the **Device Options** list, the **Punch Unit Setting** dialog box appears. If the device listing is already enabled, double-click on it to display the **Punch Unit Setting** dialog box.

Select the 2 Hole, 2 & 3 Hole, or 4 Hole option depending on the optional punch unit of your finisher to enable punching of the pages you print.



### 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, refer to [Virtual Mailbox](#) on page 113



- The following functions can be used if a hard disk is installed:
  - Quick Copy
  - Proof and Hold
  - Private Print
  - Job Storage
  - Temporary
  - Permanent Jobs

## RAM Disk Settings

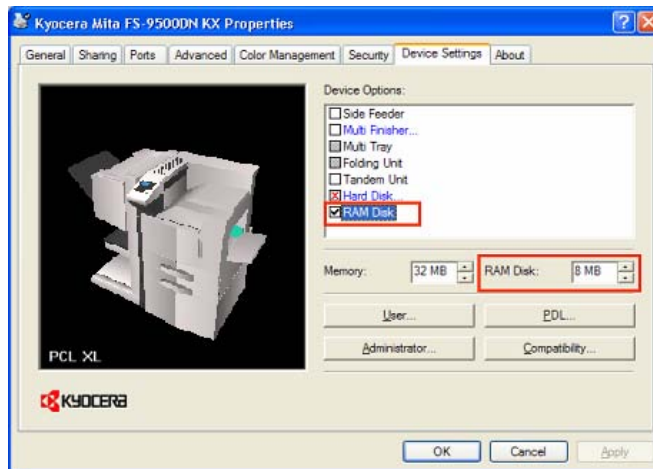
The RAM disk functions as a hard disk saving print requests into the printer's memory if a hard disk for printing is not installed. When a hard disk is installed, the RAM disk function is inactive.



Since the RAM disk is volatile memory, all data sent to the printer is lost if the power is turned off.

The size of the RAM disk is specified in settings on the printer operator panel. For further details, consult the printer's Operation Guide.

1. In the **Device Options** list, enable the **RAM Disk** check box. The memory capacity can be adjusted in the **RAM Disk** combo box.



2. Specify the **RAM Disk** size. The maximum RAM disk capacity may vary depending on your printer model and installed memory.



In the example of the FS-6020 shown above, if the memory corresponds to 16 MB minus 8 MB, the maximum available capacity for the RAM disk is 8 MB. The value in the combo box will not exceed 8 MB. For further details, consult the printer's Operation Guide.

## Auto Configuration

The Kyocera Auto Configuration Tool (KACT) allows users to automatically configure the physical device settings of a printer on the Device Settings properties page. Auto Configure can detect printer devices such as input devices, output devices, RAM disk size, and hard disk size. Then it sets the Device Options list on the Device Settings properties page. Auto Configure keeps the printer driver's Device settings consistent with the actual printer devices.

Auto Configure currently supported these ports for 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

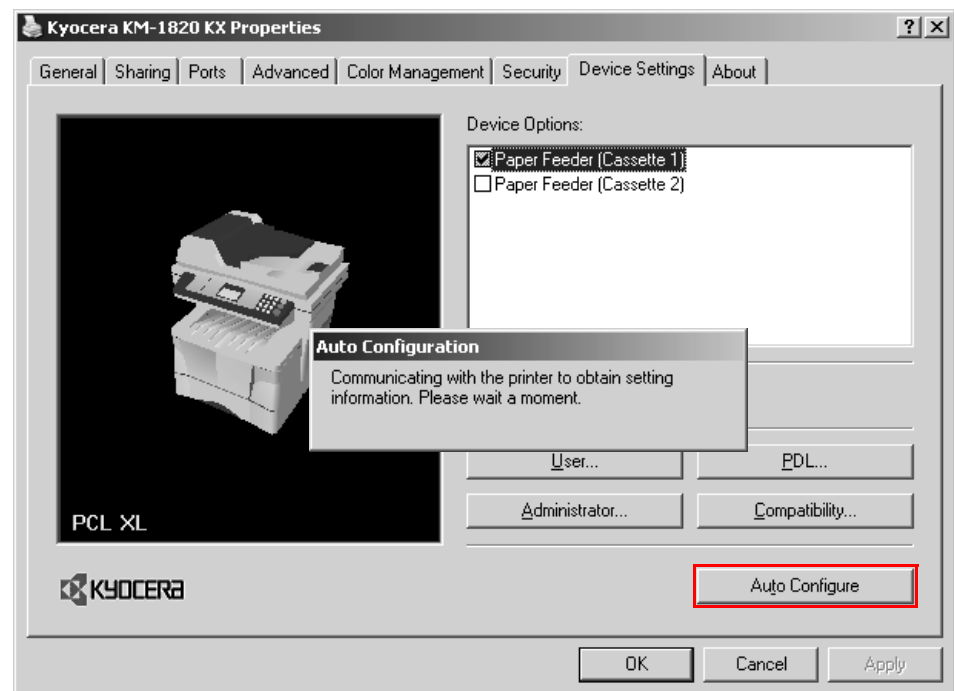


TCP/IP port can be either an IP address or the printer name (Host name).

Windows 95 is not supported by KACT.

### 1. Click **Auto Configure**.

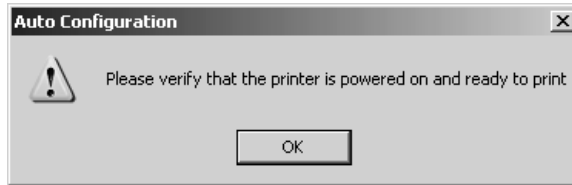
An “in progress” message will display.



The checkbox settings on 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 by the settings information returned. When completed, this message will display:



The Auto Configure tool can not communicate with a printer if the printer is powered off or in the middle of booting up process. In such cases, Auto Configure will display the following message after the time out.



## User Settings

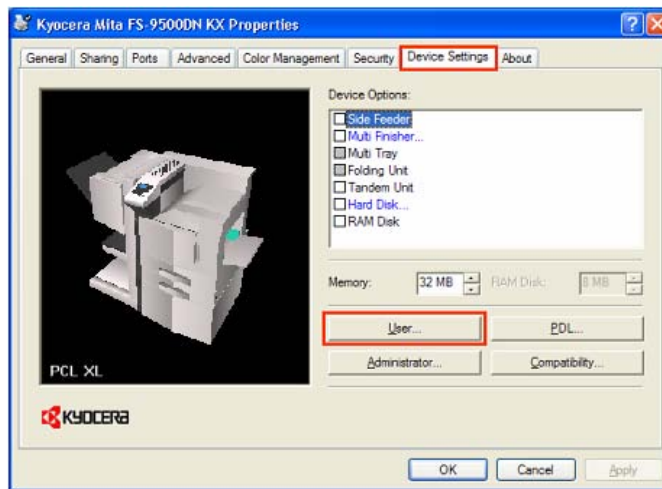
The following user information can be configured by clicking the **User...** button on the **Device Settings** tab.

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

### Identification

You can display the user information for the current print job on the printer operator panel. For further details, refer to [Job Name Display](#) on page 26.

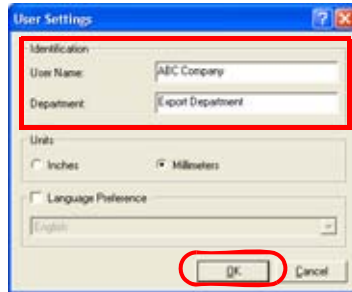
1. On the **Device Settings** tab, click **User...**



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

- Enter the preferred name in **User Name** field.

- Enter the group to which the user belongs in the **Department** field.

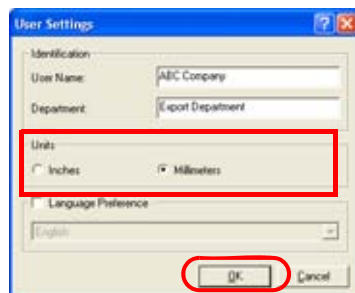


### Unit of Measurement

Select the inches or centimeters options in the following locations:

- **Custom Paper Sizes** setting in the Custom section on the **Media** tab
- **Separation** setting in the Position section on the **Watermark** tab
- **Advanced Layout Settings** on the **Layout** tab

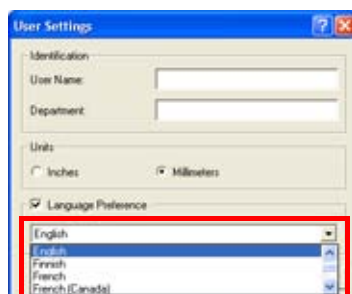
In the **User Settings** dialog box choose from inches or millimeters.



### Language Preference Selection

The Language Preference option specifies the language of the driver tabs excluding General, Sharing, Ports, Advanced, Color Management, and Security.

Select the **Language Preference** check box and select the preferred language from the **Language Preferences** drop-down list.

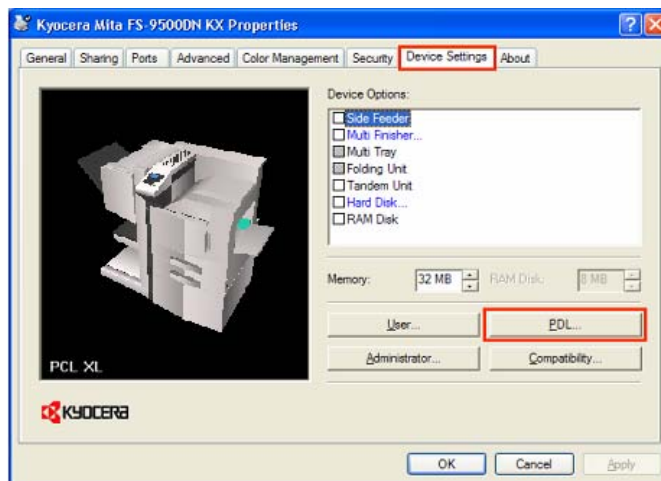


## Page Description Language (PDL) Settings

You have the option to change the Page Description Language (PDL) by clicking the **PDL** button on the **Device Settings** tab. Depending on your printer model, available PDLs may vary. You can choose from **PCL XL**, **PCL 5e**, or **KPDL**. We recommend **PCL XL**. If you select one of the PDLs options, the selection displays in the lower corner of the 3-D image.

If you receive a PDL printing error, select a different PDL and try again.

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



2. The **PDL Settings** dialog box appears. Select **PDL** from the **Page Description Language** drop-down list. Refer to the table below for options and descriptions.

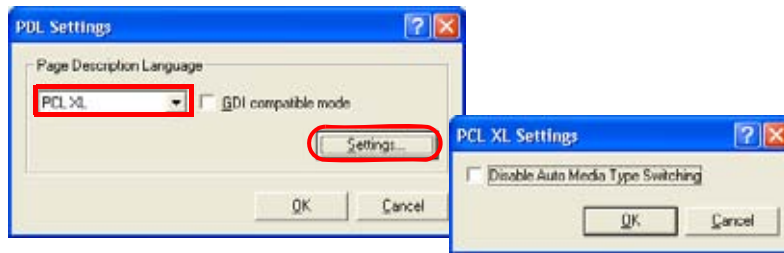


Options	Descriptions
<b>PCL XL</b> (color and monochrome printers)	The most recent version of HP PCL and PCL 6. This PDL includes PCL 5e features.
<b>PCL 5e</b> (monochrome printers)	Specifies HP PCL 5e as the PDL. The <b>GDI compatible mode</b> is selected automatically.
<b>KPDL</b> (color and monochrome printers)	Specifies KPDL, which is compatible with the Adobe PostScript 3 language, 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. The <b>GDI compatible mode</b> can also be used.



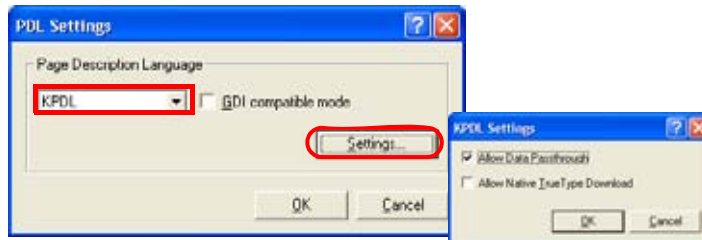
- In **GDI compatible mode**, vector graphics are rasterized for printing as bitmap images. Use the **GDI compatible mode** option to improve the graphic output quality created by the application.
  - Due to memory restrictions, this feature is not available in certain printing environments and if the **KPDL (PostScript-compatible)** option is selected.
3. The **Settings...** button is available when the PDL is set to PCL XL, or KPDL.

**PCL XL**



Option	Description
<b>Disable Auto Media Type Switching</b>	Disables the <b>Media Type</b> settings on the <b>Media</b> tab.

**KPDL**



Options	Descriptions
<b>Allow Data Passthrough</b>	Reduces errors when printing complex jobs from applications that use the PostScript format.
<b>Allow Native TrueType Download</b>	Improves the print quality and speed when using TrueType fonts.

## Administrator Settings

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

- [Job Accounting](#)
- [Job Name Display](#)
- [Setting the Administrator Password](#)
- [Changing the Administrator Password](#)
- [User Login \(FS-1118MFP / KM-1820 only\)](#)

### Job Accounting

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

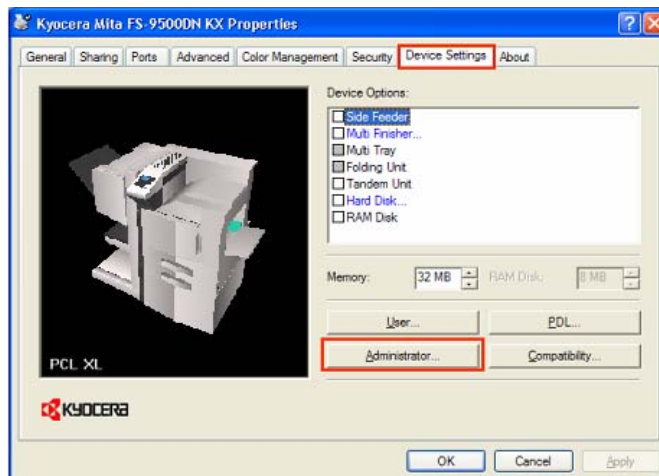


For further details, refer to Job Accounting in the Operation Manual on the supplied CD-ROM. This function is available on FS-6020 and later printer models.

### Job Name Display

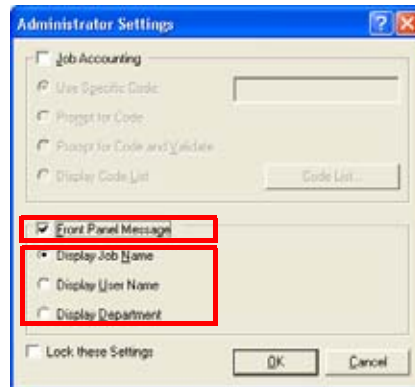
You can specify from the print operator panel to display the user name and department for the current job.

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





2. The **Administrator Settings** dialog box appears. Select the **Front Panel Message** check box. Select the following options to display during a print job:



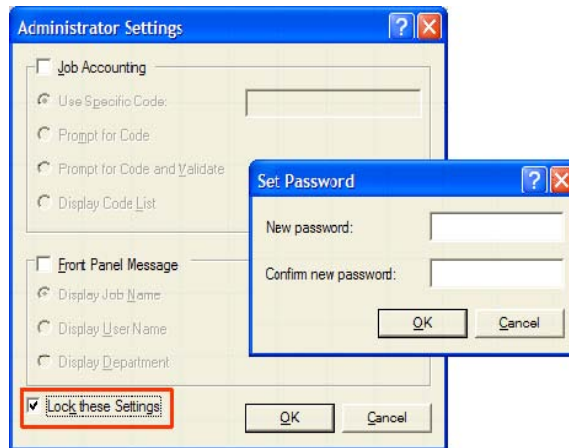
Options	Description
<b>Display Job Name</b>	Displays the job name during printing. The job name is the name sent from the application to the printer driver or it can be selected in the Job Settings dialog box before printing.
<b>Display User Name</b>	Displays the user name during printing. The user name is the information entered according to the instructions in <a href="#">Identification</a> on page 22.
<b>Display Department</b>	Displays the user group during printing. The group name is the information entered according to the instructions in <a href="#">Identification</a> on page 22.

3. Enter the password when the **Set Password** dialog box appears.  
4. Click **OK**.

### Setting the Administrator Password

By setting a password, you can protect and restrict the settings made in the **Administrator Settings** dialog box.

1. Select the **Lock these Settings** check box to access the **Set Password** dialog box.



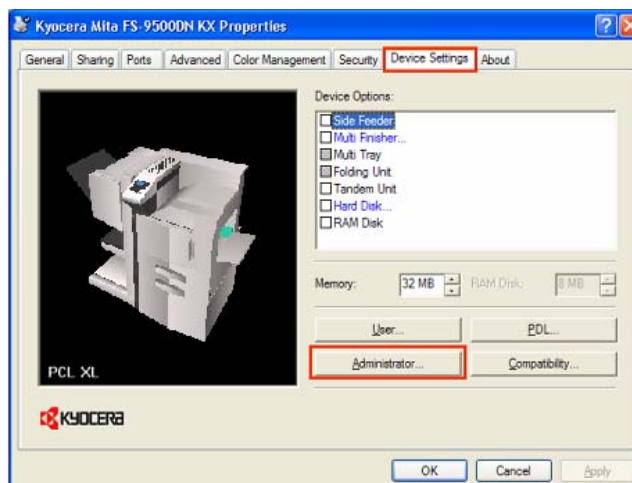
2. In the **Set Password** dialog box, enter the new password in the **New password** field. Re-enter the password in the **Confirm new password** field and click **OK**.



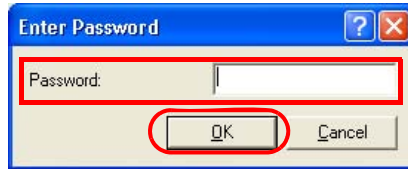
The password must be between 4 to 16 characters.

## Changing the Administrator Password

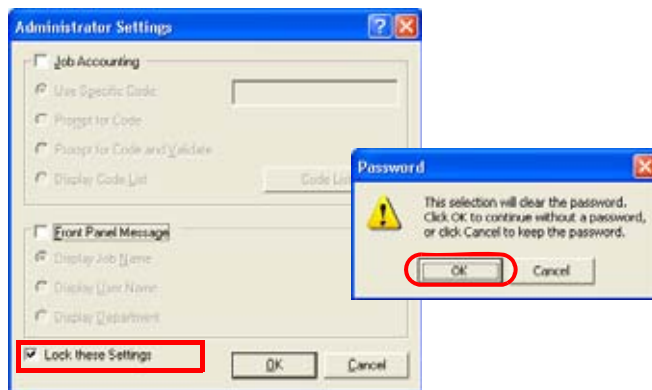
1. On the **Device Settings** tab, click **Administrator....**



2. The **Enter Password** dialog box appears. Enter the password and click **OK**.



3. The **Administrator Settings** dialog box appears. Disable the **Lock these Settings** check box. A **Password** dialog box appears. Click **OK**.



Refer to [Setting the Administrator Password](#) on page 27 to enter a new password.

## User Login (FS-1118MFP / KM-1820 only)

When User Login is set to ON at the printing system, User Login allows you to limit printing privileges to specified users, which is useful for secure printing and job accounting. This feature allows for job accounting by user, which differs from the method by division or department in the Job Accounting feature.

A maximum of 20 User IDs and passwords can be registered at the printing system, and 100 User IDs and passwords can be stored in the printer driver for use with multiple printing systems. Once User IDs are assigned, you can type the User ID and password. Both User ID and password must be numbers, up to 16 digits.



The User Login password is different from the Administrator's password used for **Lock these Settings**.

### Use Specific User ID

Allows you to establish a User ID and password for User Login purposes. The User ID and password must be registered in the printing system. Using this option gives the Administrator control over the use of User IDs.

## Prompt for User ID

Allows you to use User Login without creating a User ID List in the driver. When sending a print job, type a User ID and password when prompted, then click **OK** to print. Using this option allows the user to select from User IDs registered in the printing system.



If you type a User ID that is not registered in the printing system, the job will not print.

## Prompt for User ID and Validate

Allows you to use the User IDs entered in the User ID List of the driver. When sending a print job, type a User ID and password when prompted, then click **OK** to print. Using this option ensures that the job will print, by verifying that the selected User ID is saved in the driver.

## Verify ID for Each Login User

- Allows you to use User Login by searching for a User Name from the User ID List.
- If a match is found, the User ID will be used for the print job.
- If a match is not found, the driver will check for Administrator or User privileges:
  - A user with Administrator privileges will be prompted to enter a User ID and password to print the job. The driver will search for a Windows Login User Name and add this name with the User ID and password to the User ID List in the driver.
  - If the user has only User privileges, the print job will be cancelled, and the user will be prompted to see the Administrator for printing privileges.

## User ID List

Allows you to add, delete, edit, import, or export User IDs and passwords from the User ID List of the driver.

Once a User ID list is created, the list can be exported as a group by saving it as a text file (.csv). To import a User ID list, browse for an existing list and save it in your printer driver.

## Saving, Editing, and Deleting User IDs

Saving User IDs creates a User ID List so that User Login can be used in User Login mode. The printer driver stores a maximum of 20 User IDs.

### To save a User ID, follow these steps:

1. In the **Device Settings**, tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Click **User ID List**.
4. In the **User ID List** dialog box, click **Add**.
5. In the **Add User ID** dialog box:
  - Under **User ID**, type a numerical User ID, up to 16 digits.
  - Under **Password**, type a numerical password, up to 16 digits.Optional: Under **User Name**, you can type a name, up to 20 characters. This name will be displayed in the User ID List and can be used with Verify ID for Each Login User.
6. Click **OK** in the Add User ID and User ID List dialog boxes.

The saved User ID will be available in the User ID List.

### To edit User ID information, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Click **User ID List**.
4. In the **User ID List** dialog box, select the **User ID** to be edited.
5. Click **Edit**.
6. Make changes in **User ID**, **Password**, or **User Name**.
7. Click **OK** in the **Edit User ID** dialog box.
8. Click **OK** in the **User ID List** dialog box.

### To remove a User ID, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Click **User ID List**.
4. In the **User ID List** dialog box, select the **User ID** you want to remove.

## Importing and Exporting User IDs

5. Click **Delete**.
6. Click **OK** in the **User ID List** dialog box.

You can import an established group of User IDs into the printer driver. This allows multiple users to choose from a standard User ID List in User Login. The imported list will replace all existing User IDs in the driver.

### To import User IDs, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Click **User ID List**.
4. In the **User ID List** dialog box, click **Import**.
5. Browse for a valid **User ID List** file (.csv), select it, and click **Open**.  
The selected list of User IDs will be displayed in the User IDs list.
6. Click **OK** to save the list in the driver.

You can save (Export) a list of User IDs, making them available to other users.

### To export User IDs, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Click **User ID List**.
4. In the **User ID List** dialog box, click **Export**.
5. Browse to the desired directory, name the file, and click **Save**.

## Printing in User Login Mode

After User IDs are assigned and User Login mode is set to On at the printing system, you can choose User Login to print in User Login mode.

### To print in User Login mode with a Specific User ID, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Select **Use Specific User ID** and type a User ID and password from the User IDs that are registered in the printing system.
4. Click **OK** in the **Administrator Settings** dialog box and in the **Device Settings** tab.
5. Open the application and print the document.

### To print in User Login mode with Prompt for User ID, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Select **Prompt for User ID**.
4. Click **OK** in the **Administrator Settings** dialog box and in the **Device Settings** tab.
5. Open your application and print the document.
6. Click **OK**.

### To print in User Login mode with Prompt for User ID and Validate, follow these steps:

1. In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
2. Select **User Login**.
3. Select **Prompt for User ID and Validate**.
4. Click **OK** in the **Administrator Settings** dialog box and in the **Device Settings** tab.
5. Open the application and print the document.
6. When the **Print Options** dialog box appears, type a User ID and password from the **User ID List** in the driver.
7. Click **OK**.

**To print in User Login mode with Verify ID for Each Login User, follow these steps:**

- 1.** In the **Device Settings** tab, click **Administrator**, to open the **Administrator Settings** dialog box.
- 2.** Select **User Login**.
- 3.** Select **Verify ID for Each Login User**.
- 4.** Click **OK** in the **Administrator Settings** dialog box and in the **Device Settings** tab.
- 5.** Open your application and print the document.

The driver will search for a **User Name** in the **User ID** list.

- If a match is found, the User ID will be used for the print job.
  - If a match is not found, the driver will check for Administrator or User privileges:
    - A user with Administrator privileges will be prompted to enter a User ID and password to print the job. The driver will search for a Windows Login User Name and add this name with the User ID and password to the User ID List in the driver.
    - If the user has only User privileges, the print job will be cancelled, and the user will be prompted to see the Administrator for printing privileges.
- 6.** Click **OK**.



## Compatibility Settings

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

Compatibility settings are specified when:

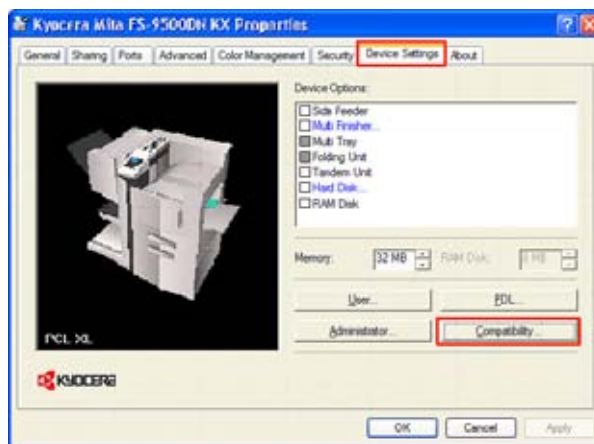
- printing from applications that save paper source information within documents
- the paper source settings are specified by your system environment.



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

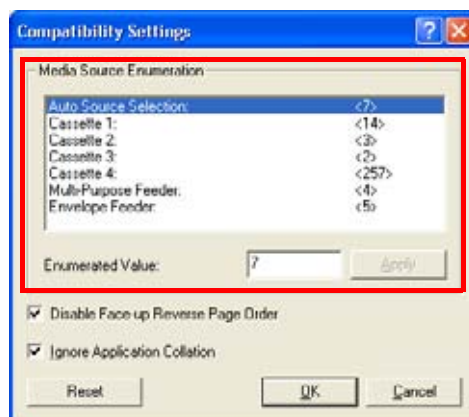
### Setting the Device Compatibility

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



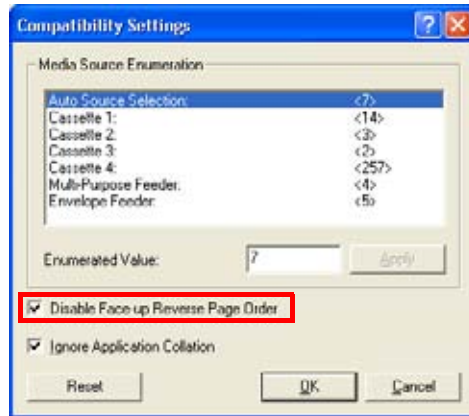
2. The **Compatibility Settings** dialog box appears. From the list in the **Media Source Enumeration** group box, select the paper supply method.

The current value is listed in the **Enumerated Value** box.

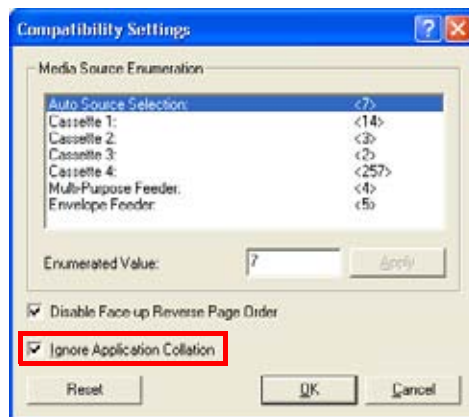


3. Enter the new value for the Enumerated Value and click **Apply**. You can also restore all the parameters to the default by clicking **Reset**.

4. Select the **Disable Face-up Reverse Page Order** check box to prevent **Reverse Order Printing** when output is face up.



5. Select the **Ignore Application Collation** check box to bypass the **Collate** setting in the application, and give priority to the printer driver setting.



Click **Printing Preferences** on the **General** tab in the **Properties** dialog box to access collated printing options.

## 3. Printing from Applications

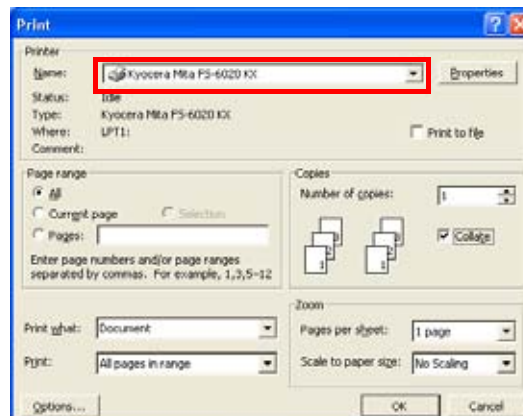
This section describes the following printing tasks when printing from Microsoft® Windows® applications.

- [Basic Printing Tasks](#)
- [Duplex Printing](#)
- [Reverse Order Printing](#)
- [Printing Watermarks](#)
- [Adjusting Image Settings](#)
- [Adjusting Color](#)

**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 location.

### Basic Printing

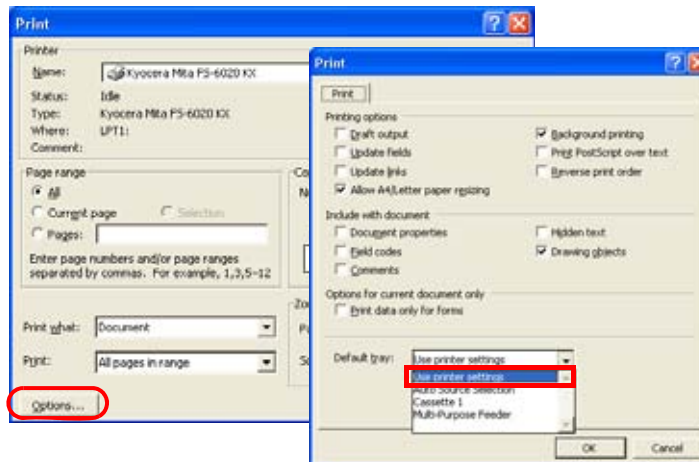
1. Insert the proper paper size (such as A4) into the printer's paper cassette.
2. From the application's **File** menu, select **Print**. The **Print** dialog box appears.
3. Click **Printer Name** to open a drop-down list. All the installed printers are listed. Select the desired printer.



- 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.

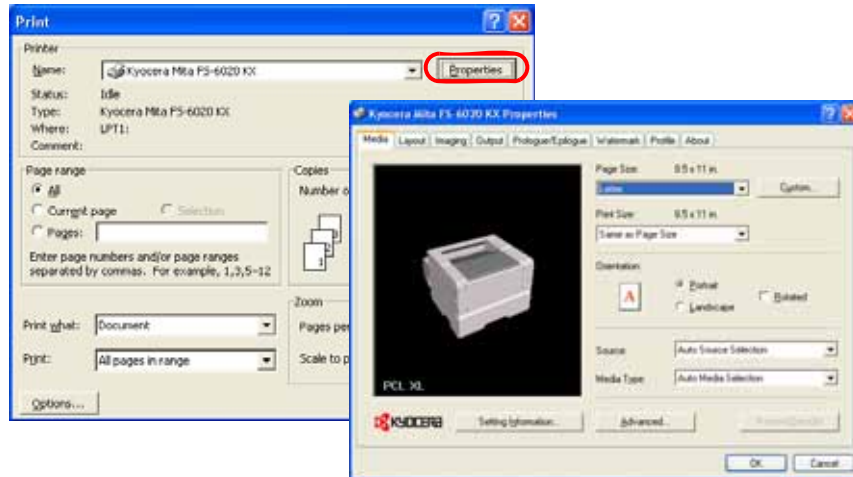


When using Microsoft® Word®, we recommend that you click **Options...** and select **Use printer settings** for the default tray.

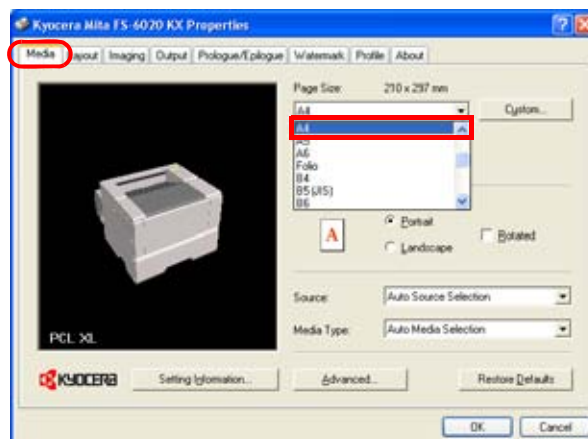


- Click **OK**.

6. Click **Properties...** to access the **Properties** dialog box.

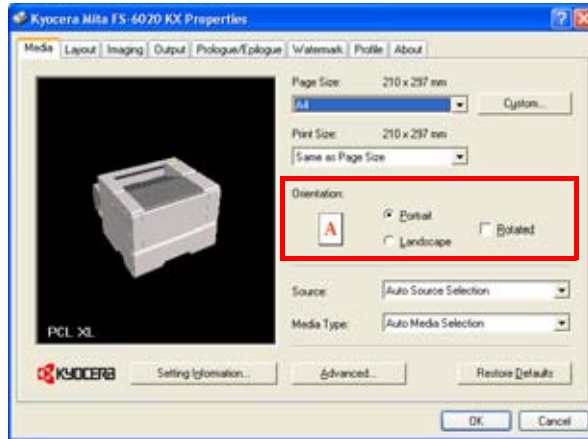


7. On the **Media** tab, click the **Page Size** drop-down list and select the appropriate page size.



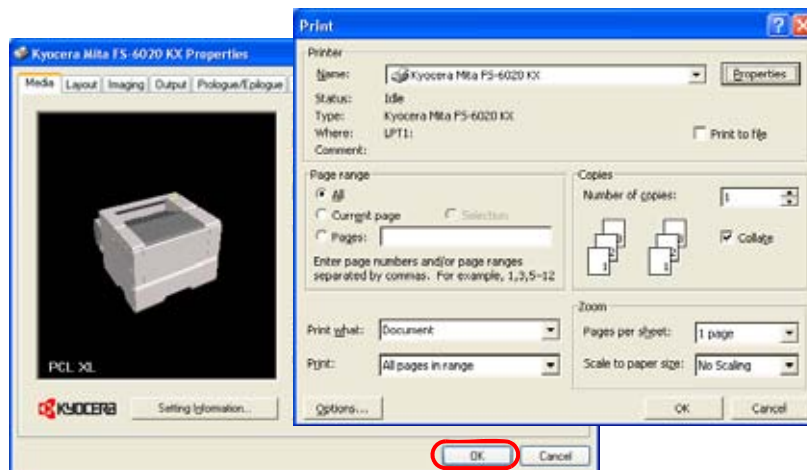
- For best results when printing on transparencies or recycled paper (the back side of paper which has already been printed on), click the **Media Type** drop-down list and select the media type. For further details, refer to [Matching the Paper Size before Printing](#) on page 44.
- The printer automatically selects paper size that matches the size specified above. A message displays requesting you to fill the multi-purpose tray if the proper paper size is not available.
- Click the **Source** drop-down list to specify the paper cassette for printing.

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



The **Rotated** setting is required when stapling the upper-right corner of the document. For further details, refer to [Reverse Order Printing](#) on page 53.

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

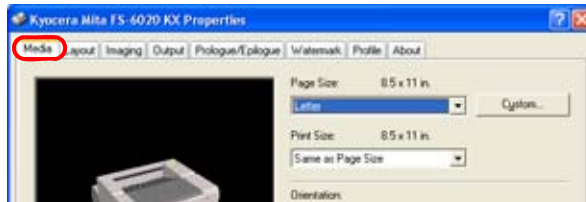


10. Click **OK** to start printing.

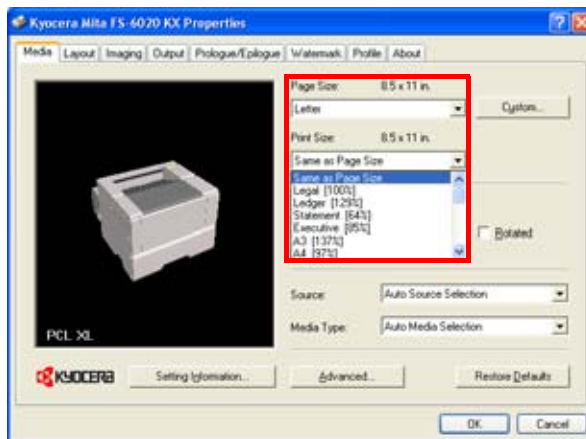
## Using a Different Print Size

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

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



2. In the **Page Size** drop-down list, select the original paper size. Click the **Print Size** drop-down list and select the preferred output paper size.



3. Confirm that the proper paper size is loaded. Click **OK** to return to the **Print** dialog box.
4. Click **OK** to start printing.



The proportion of the source document page size is compared to the output paper size by using the **Page Size** feature.

Scaling enables you to select a percentage to increase or decrease the original image relative to the original page size. Refer to [Scaling](#) on page 43.

Select **Same as Page Size** in the **Print Size** list to restore the output page size.

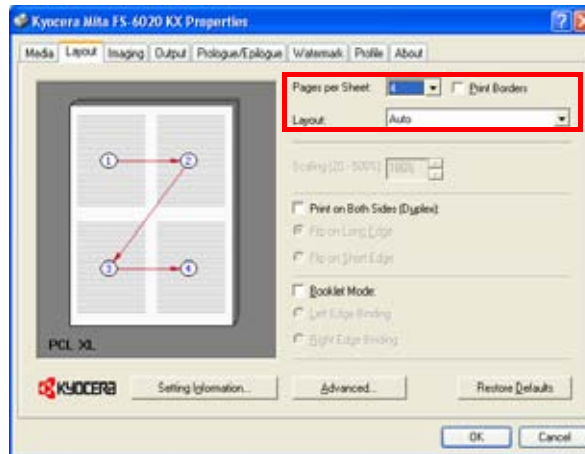
## Printing Multiple Pages Per Sheet

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

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



2. Specify the number of source pages in the **Pages per Sheet** drop-down list. You can select the horizontal direction for the page layout using **Layout (Sequence)**.



If you select four pages per sheet, then four pages are printed on a single sheet as shown in the dialog box in the example above. If **AUTO** is selected as layout, pages are arranged from the top left corner to the bottom right corner.

Enabling the **Print Borders** check box displays the page borders of each page.

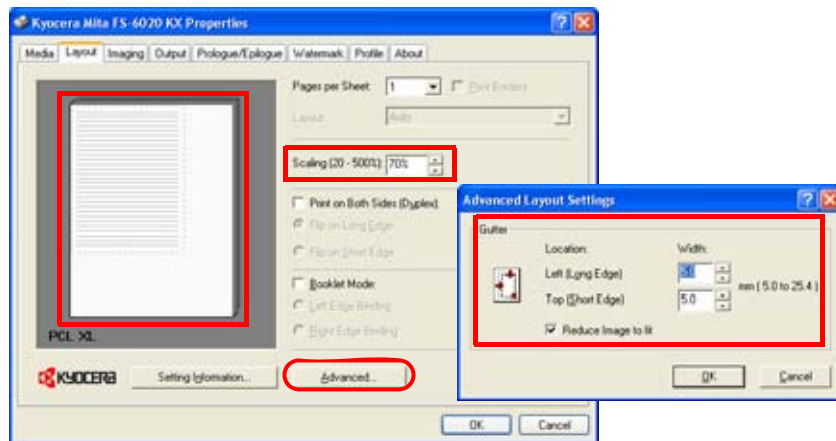
When KPDLP is set for the PDL, printing may be affected in some applications. Change the setting to PCL XL or PCL 5e, or set **Passthrough** mode in the KPDLP mode settings to **Off**. For further details on changing the PDL, refer to [Page Description Language \(PDL\) Settings](#) on page 24.



## Scaling

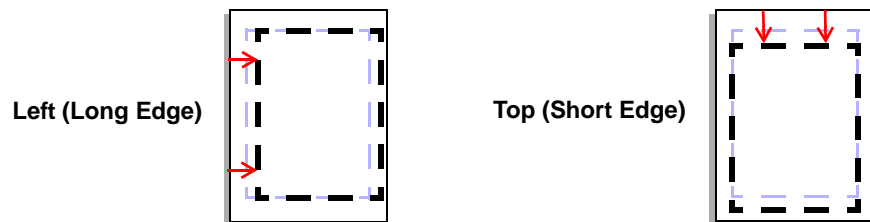
Based on the page and print size specified in the **Print Size** on the **Media** tab, you can reduce or enlarge the image from 20 to 500% before printing. However, only one page per sheet can be printed.

1. Click the **Layout** tab in the **Properties** dialog box, and enter the scale percentage into the **Scaling (20-500%)** field, or adjust the value as needed. For Windows 95 or 98, scaling is 20 - 480%.

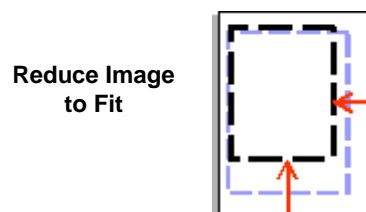


2. If you click **Advanced...**, you can adjust the outside margins in a range from 5.0 to 25.4 MM.

- For outside margins to the left of the page, enter a number into the Left (Long Edge) - Width combo box.
- For outside margins to the top of the page, enter a number into the Top (Short Edge) - Width combo box.



- Select the **Reduce Image to Fit** check box if the printing data extends beyond the edge of the paper when setting a binding margin. The margins are reduced to match the page size adjustment.



When you want to change the page size (for example, to enlarge an A4-size brochure for printing on A3 paper), refer to [Using a Different Print Size](#) on page 41.

## Matching the Paper Size before Printing

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

You can specify the media type in the **Media Type** setting for automatic paper source selection when using recycled paper, labels, or transparencies. You can also specify the finishing settings for best results. This function can be disabled in the PCL XL detail settings. For further details, refer to [Page Description Language \(PDL\) Settings](#) on page 24.



Labels, transparencies, and envelopes can be printed using the multi-purpose tray. Ensure the paper is properly loaded by following the instructions outlined in the supplied printer's Operation Guide.

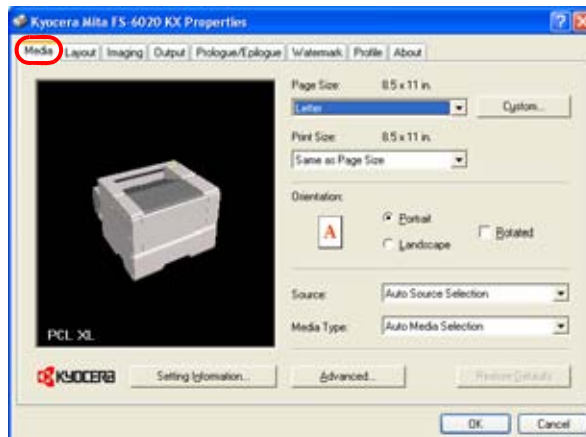
When paper is loaded properly in the paper cassette, the printer can automatically detect the paper size. However, it is necessary to use the print operator panel on the printer to assign the media type of the paper cassette so that the printer can recognize it. The steps to specify the media settings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

1. Load the paper in a paper cassette or the multi-purpose tray.

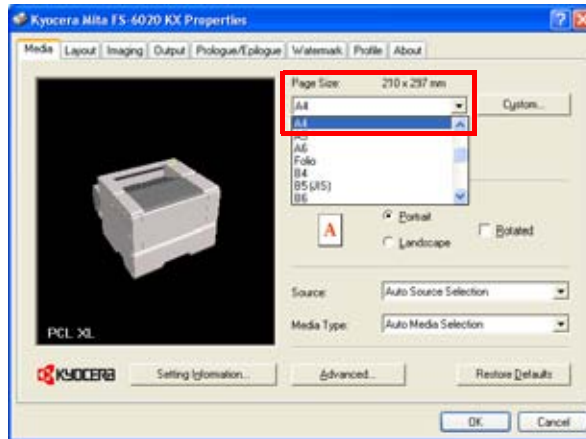


Use the multi-purpose tray in cassette mode (the default). For further details on multi-purpose tray modes, refer to the printer's Operation Guide.

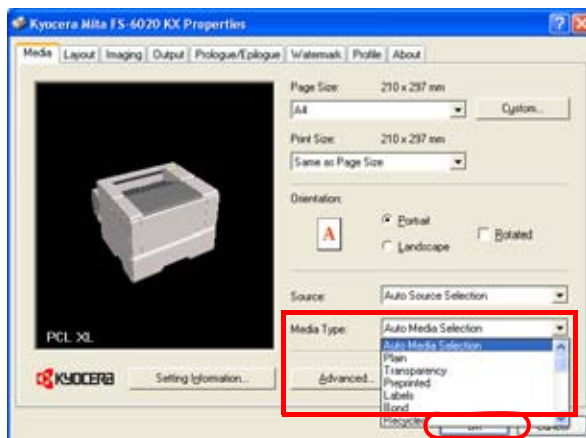
2. Specify the media type in the print operator panel on the printer.
3. Access the printer **Properties** and click the **Media** tab.



4. Select the document paper size from the **Page Size** drop-down list.



5. From the **Media Type** drop-down list, select the type of media for printing, then click **OK**.



Options available in the **Media Type** drop-down list are as follows.

<b>Media Type</b>	<b>Usable Paper Cassettes</b>
Plain 64 to 90 g/m <sup>2</sup>	All
Transparency	Multi-purpose tray (MP tray)
Preprinted	All
Labels	Multi-purpose tray (MP tray)
Bond (securities)	All
Recycled	All
Vellum Less than 64 g/m <sup>2</sup>	All
Rough 90 to 200 g/m <sup>2</sup>	Multi-purpose tray (MP tray)
Letterhead	All
Color 64 to 90 g/m <sup>2</sup>	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 the next section.

Once printing begins, the printer 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 displays requesting you to load paper in the multi-purpose tray.

## Printing on Paper of Non-Standard Sizes

The printer can print on custom sizes of paper by defining them as custom paper sizes.



- For custom paper, supply the paper using the universal (adjustable) paper cassette or the multi-purpose tray. Custom paper sizes are not supported in the models listed below:  
FS-1700, FS-6300, FS-6700, FS-6700S, FS-6800, FS-7000, and FS-9000.

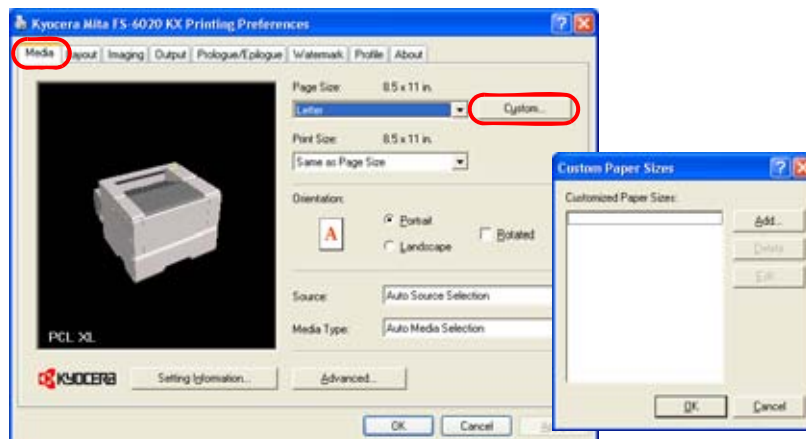
Follow these steps to save custom page sizes in the printer driver.

1. Load the custom paper into the printer. For further details, refer to the printer's Operation Guide.
2. Click **Start** in the Windows taskbar to access the printer driver properties and then select the **Printers and Faxes**. The **Printers and Faxes** window appears.

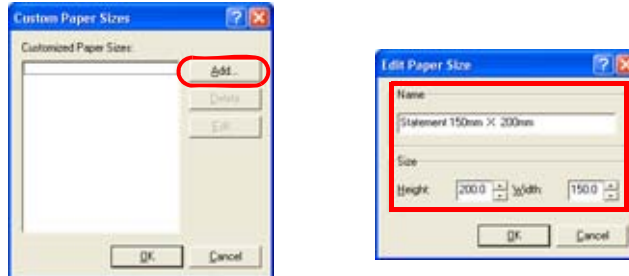


**Windows 95/98/Me/2000:** Access the printer driver properties by clicking the **Start** button in the Windows task bar and then selecting the **Printers** window.

3. Right-click the printer icon to access the **Properties** dialog box.
4. Click **Printing Preferences** to open the **Printing Preferences** dialog box. Click the **Media** tab.
5. Click **Custom....** The **Custom Paper Sizes** dialog box appears.



6. Click **Add...**. The **Edit Paper Size** dialog box appears. Enter a name for your custom paper size in the Name field.

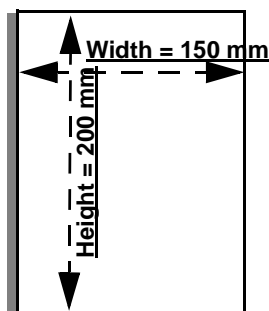


The name can be up to 31 characters.

7. Enter the measurements in the **Height** and **Width** boxes in millimeters or inches. (Units are selected from the **User** dialog box of the **Device Settings** tab in the **Properties** dialog box.)

The following sizes are available for custom paper.

Size	Cassette	MP tray	Duplexer unit
Minimum (A4 printers)	148 x 210 MM. (5.8 x 8.3 inches)	70 x 148 mm (Portrait)	148 x 216 mm
Largest (A4 printers)	216 x 356 MM. (8.5 x 14 inches)	216 x 356 mm (Portrait)	216 x 356 mm
Minimum (A3 printers)	148 x 210 MM. (5.8 x 8.3 inches)	70 x 148 mm	148 x 210 mm
Largest (A3 printers)	297 x 450 MM. (11.7 x 17.7 inches)	310 x 458 mm	297 x 431.8 mm



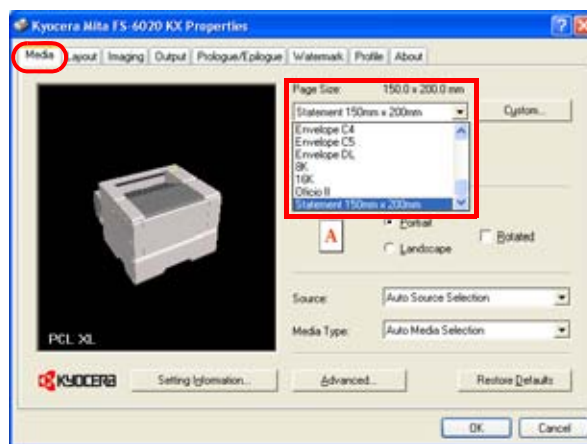
**Sample Paper Measurements (150 mm x 200 mm)**

8. Click **OK** to save the page size and return to the **Custom Paper Sizes** dialog box. Confirm the name of paper size you just added.
9. Click **OK**.

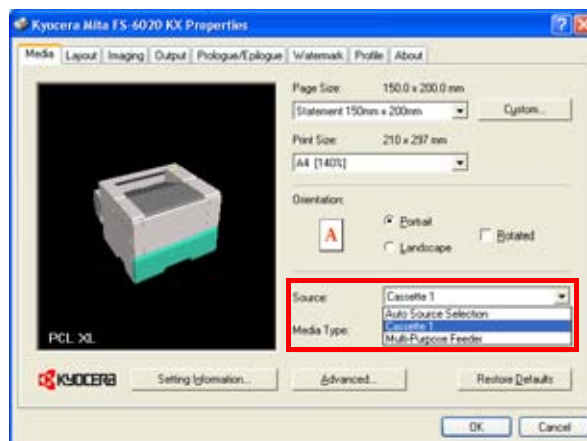
Repeat the steps above if you want to add other custom paper sizes. A maximum of 20 different paper sizes can be added.

### Printing with Custom Paper Sizes

1. From the applications's **Printer Properties**, access the **Print** dialog box. (Select **Print** from the **File** menu.)
2. On the **Media** tab, select the name of your saved paper size in the **Page Size** drop-down list.



3. Select the source cassette for the custom paper from the **Source** drop-down list.



4. Click **OK** to return to the **Print** dialog box.
5. Click **OK** to start printing.

## Duplex Printing

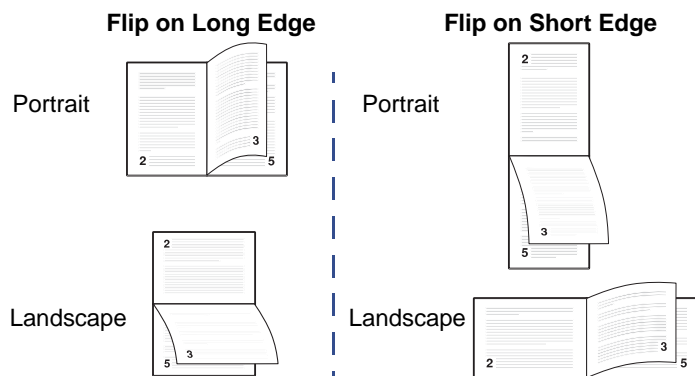
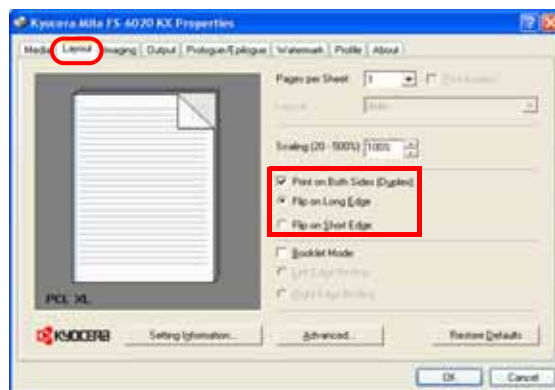
This section describes how to enable the duplex printing option. In order to activate this printing option, the duplex unit must be installed, and additional memory may be required depending on the printer model. For further details, refer to the printer's Operation Guide.

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)	

### Printing on Both Sides

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Click the **Layout** tab.
3. Select the **Print on Both Sides (Duplex)** check box. Choose either **Flip on Long Edge** or **Flip on Short Edge**.





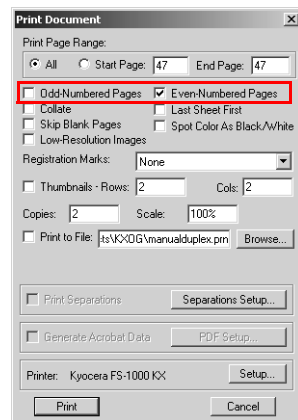
4. Click **OK** to return to the **Print** dialog box.
5. Click **OK** to start printing.

## 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 not available when settings are made in the **Advanced** dialog box, accessed from the **Media** tab.

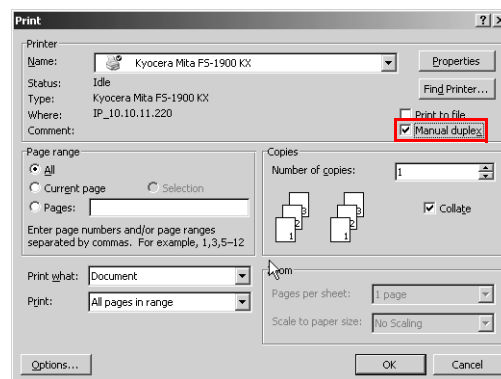
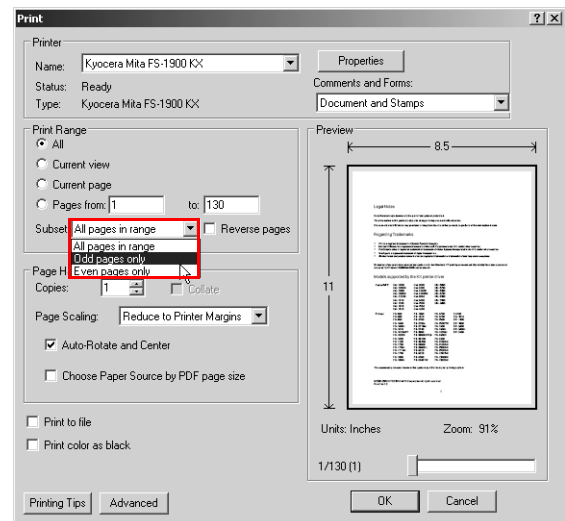
The steps for using Manual Duplex may vary, depending on your printer, what printer accessories you have installed, and what application you are printing from.

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 two examples below.



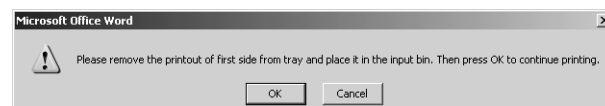
Adobe Framemaker

Adobe Acrobat



Microsoft Word

The Microsoft Word Print dialog box has a Manual Duplex checkbox, as show above. When this option is selected, the odd pages are printed and then a message (shown below) displays telling the user to flip the printed pages over and re-insert them in the input bin of the printer.

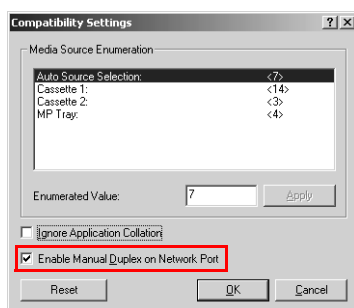


Some Kyocera printers have a manual duplex setting in Printer Preferences, on the Layout page. Instructions for using this method for manual duplex printing are below. If the **Properties** or **Preferences** dialog boxes for your printer don't have manual duplex settings, look for an option to print just odd or even pages in the **Print** dialog box of the application you want to print from, as shown above."

## Manual Duplex Settings

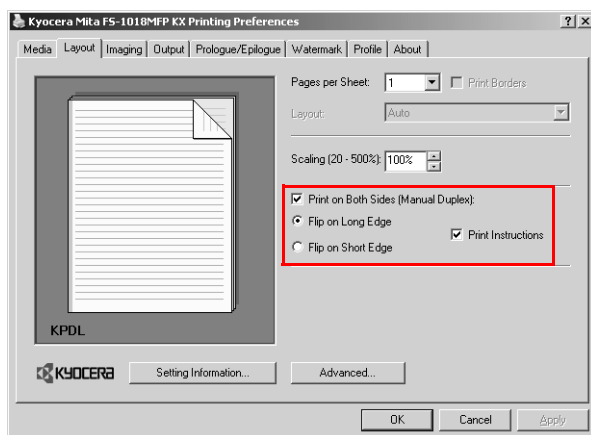
- The printer must be set to a local port.
- OR -
- The Source selection must be Cassette 1 or Cassette 2.

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.



To print on both sides, follow these steps:

1. In the **Media** tab, select Cassette 1.
2. In the **Layout** tab, select **Print on Both Sides (Manual Duplex)**.



3. Select **Flip on Long Edge** or **Flip on Short Edge**.
4. Select **Print 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 Instructions** and follow steps 5-7.

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

The even-numbered pages will be printed.

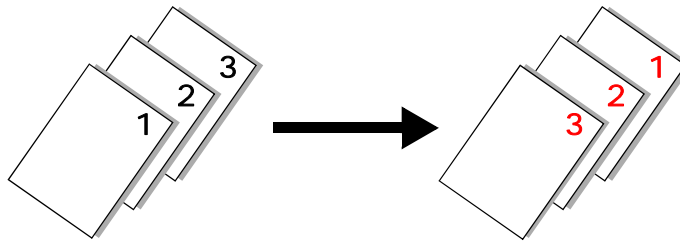
6. When printing stops, remove all printed sheets from the output tray.
7. With **Flip on Long Edge** selected, turn the stack over on the long edge and put the pages into the cassette.
8. With **Flip on Short Edge** selected, turn the stack over on the short edge and put the pages into the cassette.
9. Click OK in the **Manual Duplex Instruction** dialog box.

The odd-numbered pages will be printed.

## Reverse Order Printing

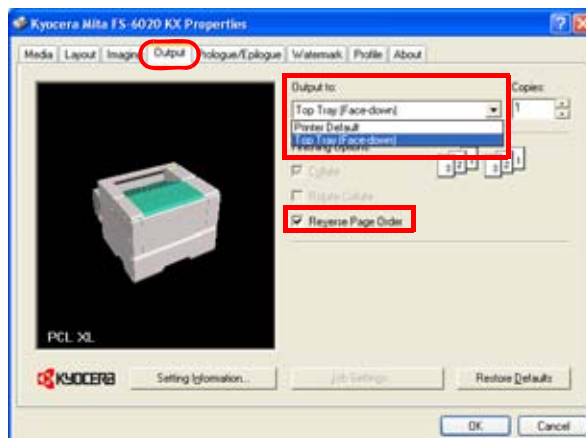
Prints document pages in reverse order, from the last page to the first.

When heavy or other special papers are printed face up, the reverse order printing function places the order of pages into numerical order as shown below.



### Print pages in reverse order

1. Access the **Properties** dialog box and click the **Output** tab.
2. Select the **Output tray** from the **Output to** drop-down list.
3. Select the **Reverse Page Order** check box in **Finishing Options**.



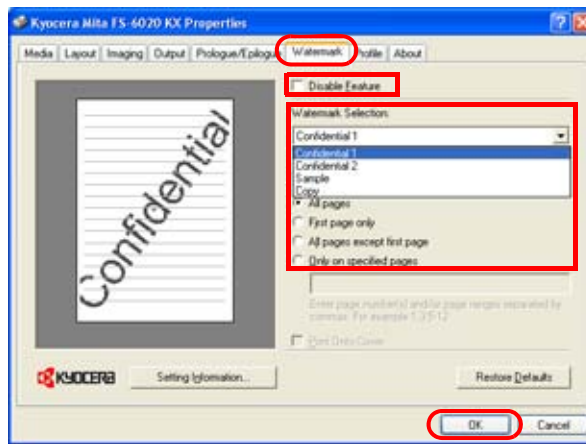
4. Click **OK** to return to the **Print** dialog box.
5. Click **OK** to start printing.

## Printing Watermarks

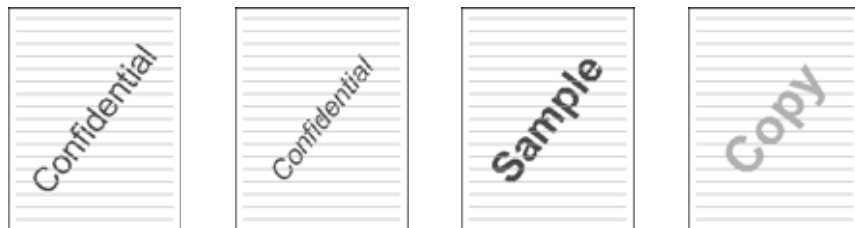
When printing using watermarks, your preferred text is printed in the document background. You can choose one of four standard watermarks or enter your own text.

### Selecting the Watermark

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Click the **Watermark** tab.
3. Clear the **Disable Feature** check box.
4. Select from the **Watermark Selection** drop-down list.



The **Watermark Selection** drop-down list displays four standard and customized watermarks. For further details on adding watermarks, refer to [Adding Watermarks](#) on page 55.

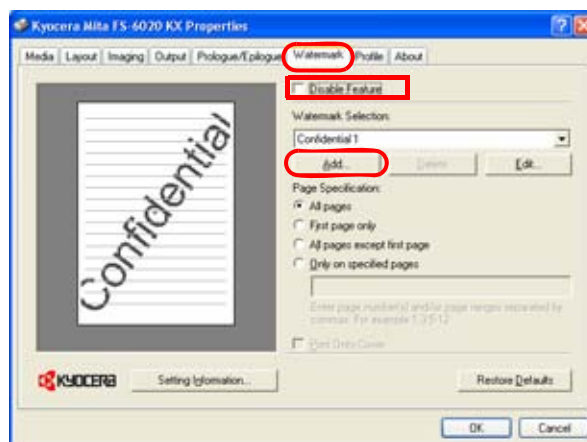


Standard Watermarks

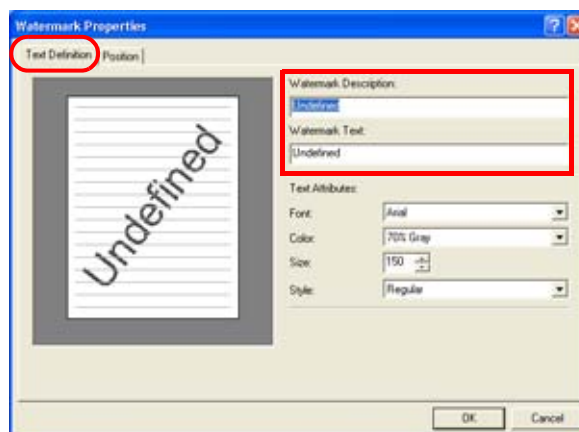
## Adding Watermarks

You can enter the text for a new watermark. The text font, color, size, and style can be adjusted.

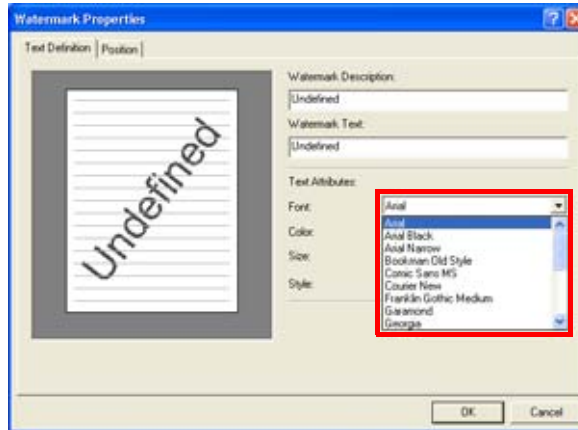
1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Click the **Watermark** tab.
3. Clear the **Disable Feature** check box.
4. Click **Add...**. The **Watermark Properties** dialog box appears.



5. Click the **Text Definition** tab.
6. Enter a name for your watermark in the **Watermark Description** field, and enter the text to be printed as a watermark in the **Watermark Text** field.

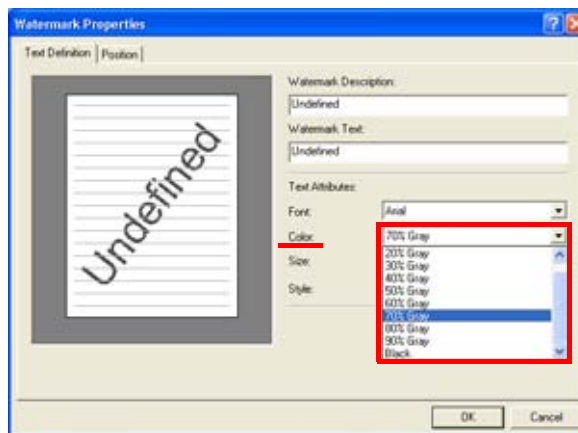


7. In the **Text Attributes** section, specify the **Font**. Select a font from the **Font** drop-down list.



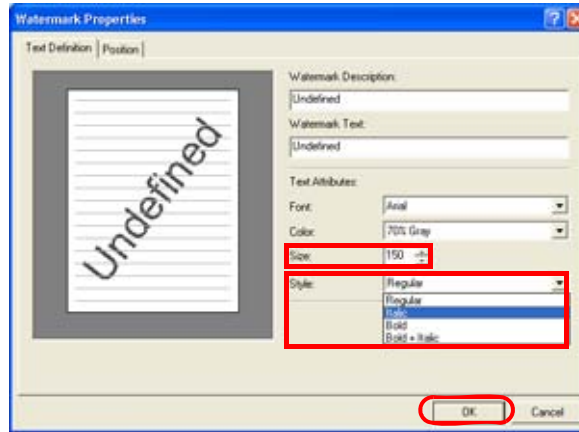
8. In the **Text Attributes** group box, specify the **Color** setting.

- **Monochrome printers:** Select 10% Gray to 90% Gray or Black in the **Color** drop-down list.
- **Color printers:** Select from the **Color** drop-down list, or select **Custom** to choose additional colors.



9. In the **Text Attributes** group box, specify the font **Size**. The font size is measured in points.

10. In the **Text Attributes** group box, specify the typeface **Style**. From the **Style** drop-down list, choose from regular, italic, bold, or bold and italic.



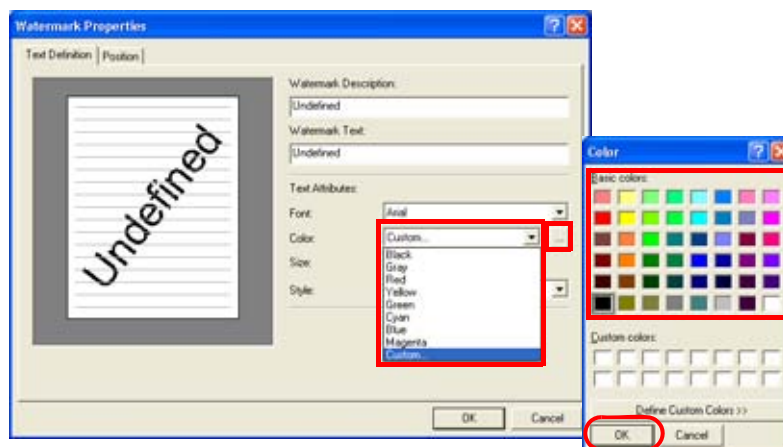
11. Click **OK**.

### Selecting and Creating Custom Colors (Color printers only)

In the color setting, selecting the **Custom** option displays the standard Windows colors. In addition to the basic system colors, you can also create customized colors.

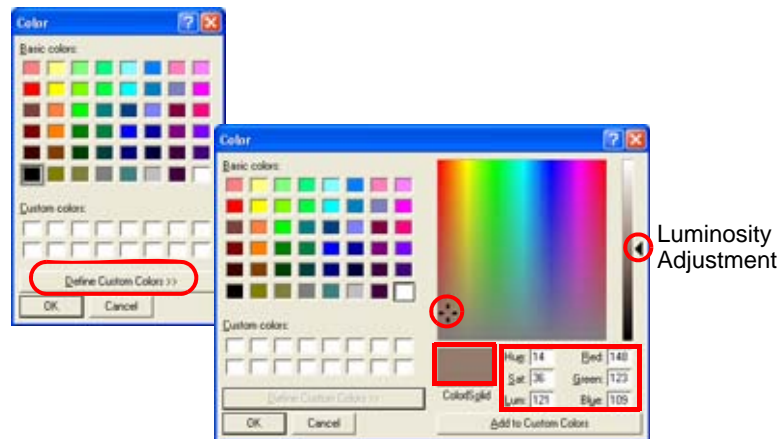
1. When you set the color in the **Text Attributes**, select **Custom...** from the **Color** drop-down list and click the **[...]** button, the **Colors** dialog box appears.

- Click a color in the **Basic colors** group box, and then click **OK**. Continue to **step 6**.

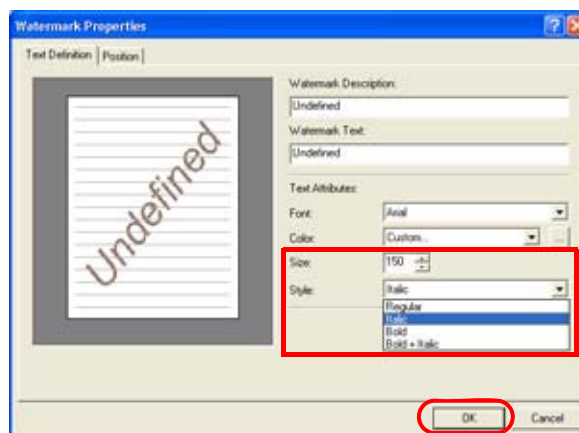


- Click the **Define Custom Colors** button to open the color matrix and create a customized color.

- On the color matrix, enter the numerical values for the hue, saturation, and luminosity levels. The created color appears in the **Color/Solid** box.



- **Hue and Saturation (Sat) Adjustment:**
    - Click and drag the pointer left/right or up/down to adjust the hue and saturation levels.
  - **Luminosity (Lum) Adjustment:**
    - Click and drag the slider on the right of the color matrix to adjust the luminosity level.
- Click the **Add to Custom Colors...** button to add your color to the custom colors.
  - Click **OK** to save the custom colors.
  - Click **OK** to return to the **Watermark Properties** dialog box.
  - In the **Text Attributes** group box, specify the font **Size**. Adjust the value of the size box as needed. The font size is measured in points.
  - In the **Text Attributes** group box, specify the **Style** of typeface. From the **Style** drop-down list, choose from regular, italic, bold, or bold and italic.

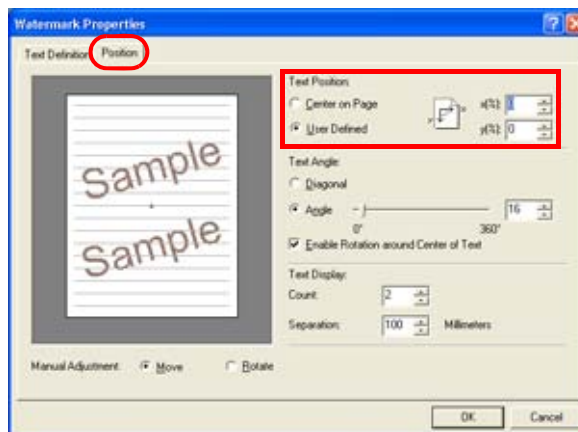


- Click **OK**.



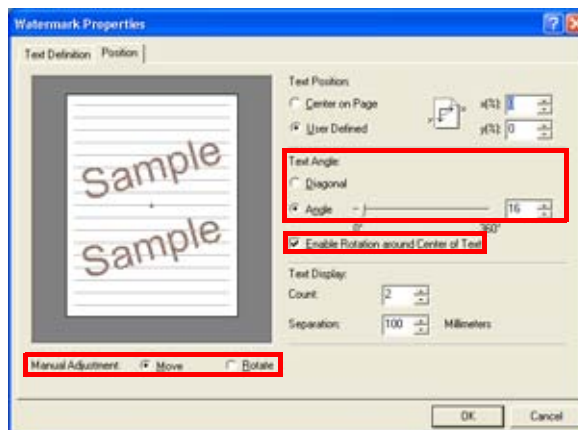
## Positioning Watermarks

1. In the **Watermark Properties** dialog box, click the **Position** tab.
2. Select **Center on Page** or **User Defined** to specify the text position.
  - **User Defined:** Bases the watermark text position on the X and Y values for the horizontal and vertical coordinates.
  - **Center on Page:** Places the watermark text in the center of the page.



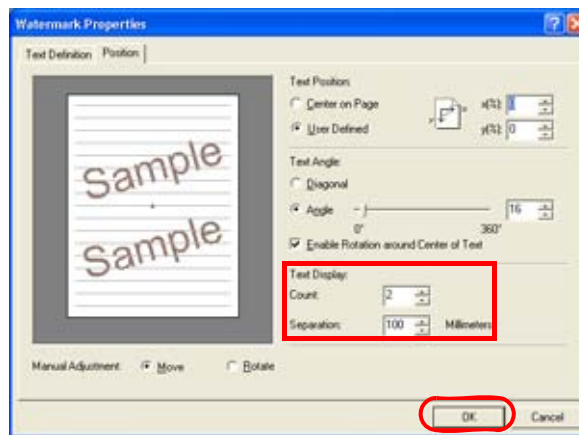
**Manual Adjustment:** Select the **Move** option and hold the left mouse button while dragging the watermark image on the left to the desired position.

3. Specify the **Text Angle**. Click to select a preset **Diagonal** display (slanted to the upper right) or to select **Angle**, which enables you to enter your preferred angle (measured counterclockwise from 0 to 360 degrees).
  - **Angle:** Drag the slider horizontally or enter the value. The angle of the text can be manually adjusted by placing the mouse pointer on the center or end of the text and dragging it to the desired position.





- **Manual Adjustment:** You can select **Rotate** and hold the left mouse button while dragging the watermark image at left to the desired angle.
  - Select **User Defined** in the **Text Position** field and then **Angle** in the **Text Angle**. Activate the **Select Rotation around Center of Text** check box.
4. Specify the **Text Display**. Adjust the number of watermarks printed and the amount of separation space between the text.
- Enter the number of watermarks in the **Count** count box, or drag the slider to adjust the value.
  - Enter the value for separation between watermarks in the **Separation** combo box in millimeters or inches in the **User Settings** dialog box on the **Device Settings** tab, or use the spin box to adjust the value.

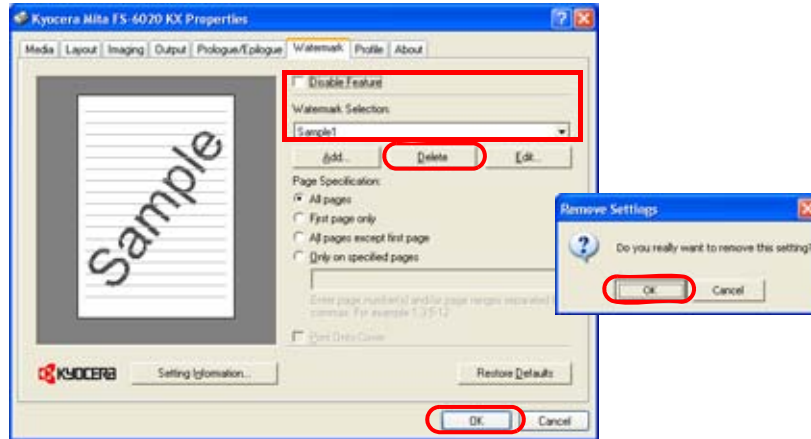


5. Click **OK**.

## Deleting Watermark Text

1. Clear the **Disable Feature** check box on the **Watermark** tab.
2. From the **Watermark Selection** drop-down list, select the watermark text you wish to delete. Click **Delete**.

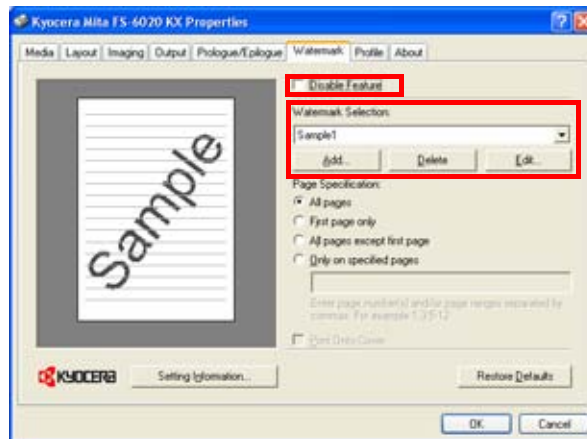
3. Click **OK** to confirm the deletion.



### Editing Added Watermarks

Edit your own watermarks by following the steps below. When editing your added watermarks, you can change the watermark text, font, color, size, and style.

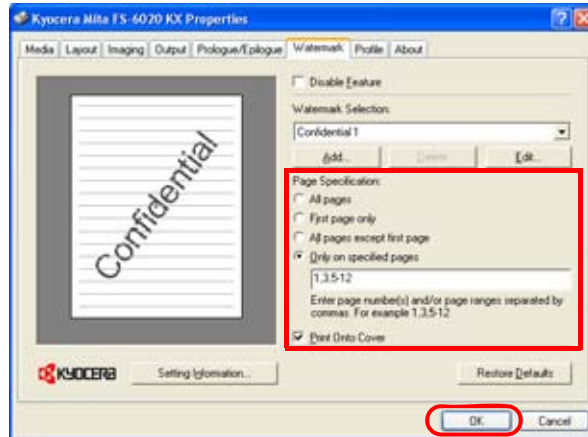
1. Clear the **Disable Feature** check box on the **Watermark** tab.
2. From the **Watermark Selection** drop-down list, select the watermark text for editing.
3. Click **Edit...** . The **Watermark Properties** dialog box appears.



Adjust the text position and other settings as desired. For further details, refer to [Adding Watermarks](#) on page 55, step **5** to **10** and [Positioning Watermarks](#) on page 59, step **1** to **3**.

## Watermark Page Settings

1. In the **Page Specification** group box, choose from **All pages**, **First page only**, **All pages except first page**, or **Only on specified pages** for printing the watermark text.



Enter the pages in the text box to print the watermark on specific pages. For example, to print the watermark on pages 1, 3, 5, 6, 7, 8, 9, 10, 11, and 12, enter [ **1,3,5-12** ].

2. Select the **Print Onto Cover** check box to select the cover page for printing the watermark.

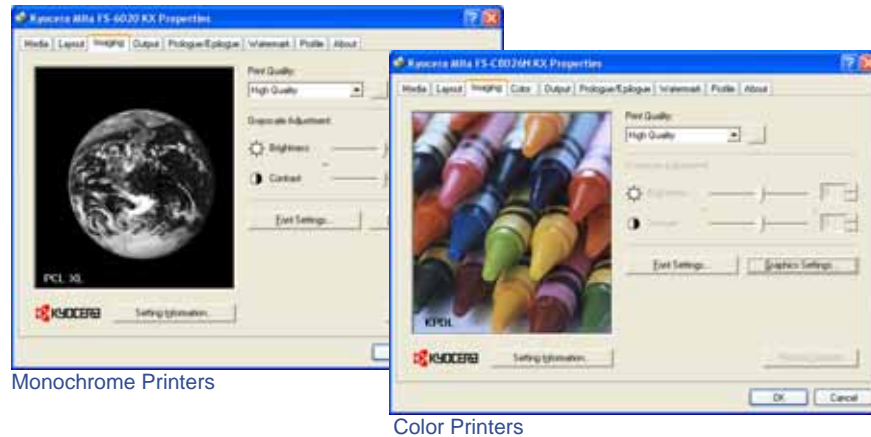


Enable the **Cover Mode** option in the **Advanced Media Settings** on the **Media** tab to print the watermark text on the front or front and back covers. For further details, refer to [Printing with Covers](#) on page 88.

3. Click **OK**.

## Adjusting Image Settings

The settings for **Print Quality**, **Grayscale Adjustment** and **Font Settings** are described below. Color printers also offer adjustment options in the **Color Adjustment** settings of the **Color Adjustment** dialog box.



Monochrome Printers

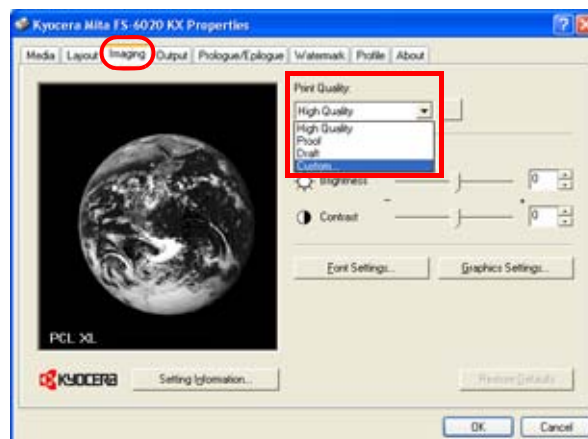
Color Printers

## Print Quality

You can specify the printer settings for Resolution and EcoPrint.

Options	Descriptions
<b>Resolution</b>	The number of dots printed in one inch. Higher resolution enables more accurate printing of specific details.
<b>EcoPrint</b>	Reduces the amount of toner placed on the printed page, extending the life of the toner cartridge, making it both economical and ecological. Because toner saturation is reduced, the entire image, text and graphics, appears lighter in the printed job. EcoPrint does not increase print speed.

1. From the **Print** dialog box of the application, access the printer **Properties**.
2. In the **Properties** dialog box, click the **Imaging** tab.



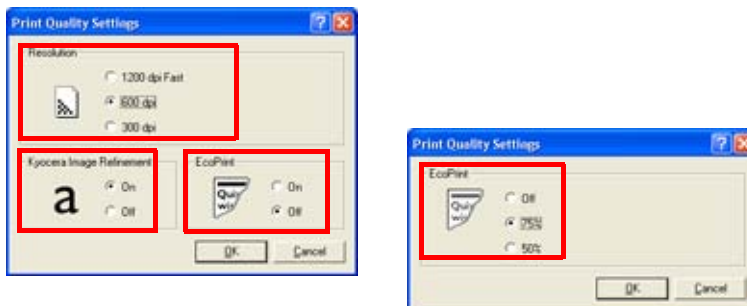
Settings for Monochrome Printers

3. Click to select the **Print Quality** from the **Print Quality** drop-down list.

Print Quality Options	Descriptions
<b>High quality</b>	Prints using the highest printer resolution.
<b>Proof (monochrome printers only)</b>	Prints using the second-highest level of resolution.
<b>Draft</b>	Reduces the amount of toner placed on the printed page, extending the life of the toner cartridge, making it both economical and ecological. Because toner saturation is reduced, text and graphics will appear lighter on the printed page.
<b>Custom</b>	You can specify your preferred combination of settings for Resolution, Kyocera Image Refinement, and EcoPrint. For further details, refer to the instructions below.



When you select **Custom** for the **Print Quality**, then click the [...] button next to drop-down list, the **Print Quality Settings** dialog box appears. Refer to the following table to set the **Resolution**, **Kyocera Image Refinement**, and **EcoPrint** features.



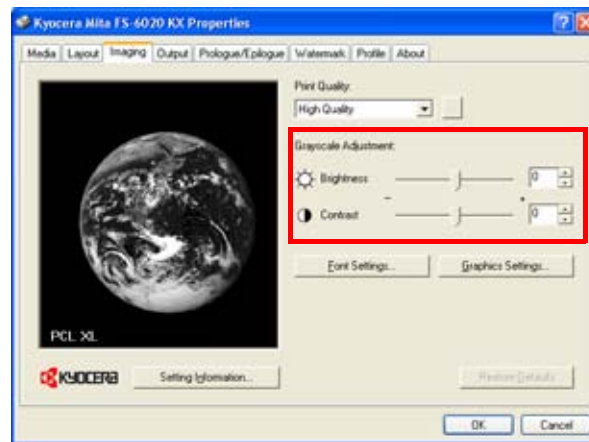
Options	Descriptions
<b>Resolution (monochrome printers only)</b>	Choose from 1200 dpi fast mode, 600 dpi, or 300 dpi. The printer models FS-1800, FS-1800+, and FS-3800 support 1200 dpi fast mode.
<b>Kyocera Image Refinement</b>	Smooths the outline of text and vector graphics. For color printers, this option is only available when printing in monochrome mode.
<b>EcoPrint</b>	Depending on the model, choose from On, Off, 75%, or 50%.

These options enable you to extend the use of your toner cartridges by adjusting the printing resolution. For color printers, these options are only available for monochrome printing.

## Grayscale Adjustment

The **Grayscale Adjustment** setting is used for adjusting the brightness and contrast of graphics produced by monochrome printers. This setting is available on color printer models when the monochrome option is active. Text remains unchanged.

Use the mouse to drag the slider horizontally toward (+) or (-) for **Brightness** and **Contrast** in the **Grayscale Adjustment** group box. Alternatively, click the arrows at the right to increase or decrease the values in the spin boxes.



Grayscale Adjustment Options	Descriptions
<b>Brightness</b>	Adjusts the brightness of graphics. The darkest setting is -100 and the brightest is +100. Choose 0 (zero) for a regular level of brightness.
<b>Contrast</b>	Adjusts the contrast (the proportion of light to dark) of graphics. The faintest contrast setting is -100 and the strongest is +100. Choose 0 (zero) for a regular level of contrast.

## Font Downloading

This setting specifies the method used to send TrueType fonts to the printer during printing.

1. Click **Font Settings**. The **Font Settings** dialog box appears.
2. Select one of the three following methods for sending **TrueType Fonts**:
  - **Download TrueType fonts as outlines**
  - **Download TrueType fonts as bitmap**
  - **Substitute with Device fonts**



3. Click **OK** to save the **Font Settings**.

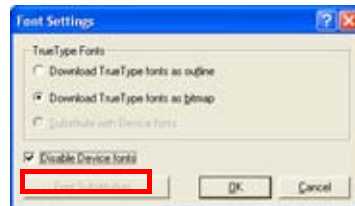
True Type Font Options	Descriptions
<b>Download TrueType fonts as outlines</b>	<p>Sends fonts to the printer system as outline fonts when using multiple fonts and font sizes.</p> <p>This option decreases the spooler size and can be combined with the <b>Disable Device fonts</b>. For further details, refer to the next item, <b>Disable Device fonts</b>.</p>
<b>Download TrueType fonts as bitmap</b>	<p>A small number of fonts and font sizes can be converted and sent to the printer as bitmaps.</p> <p>This option increases the spooler size and can be combined with the <b>Disable Device fonts</b>. For further details, refer to <b>Disable Device fonts</b> described below.</p>
<b>Substitute with Device fonts</b>	<p>Unsupported fonts are replaced with built-in fonts by the printer without altering the document.</p> <p>For further details, refer to the next item, <a href="#">Selecting Fonts for Substitution</a>.</p>



### Disable Device fonts

Even if you send the TrueType fonts to the printer as outline fonts or bitmap images, for common fonts, the printer substitutes fonts resident on the printer in certain cases.

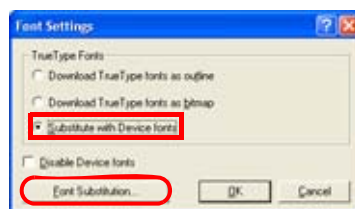
1. In the **Font Settings** dialog box, enable the **Disable Device fonts** check box to prevent any substitution of TrueType fonts with built-in printer fonts.



### Selecting Fonts for Substitution

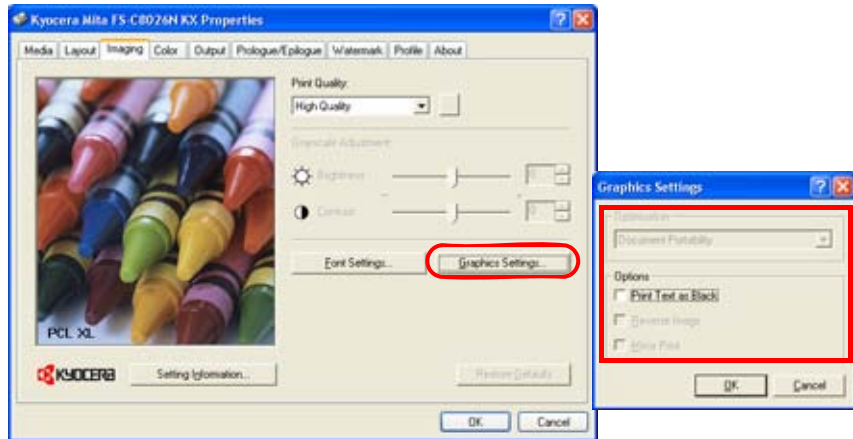
Options	Descriptions
<b>Font Substitution...</b>	Determines the fonts that are substituted by the printer.
<b>Substitute with Device fonts</b>	Determines which printer fonts are used as substitutions. Select <b>Substitute with Device fonts</b> to activate <b>Font Substitution</b> .
<b>Available Device Fonts</b>	Displays the available fonts in the <b>Font Substitution</b> dialog box. The fonts installed on your computer are listed in the System Fonts, and the printer fonts are listed in <b>Available Device Fonts</b> .

2. Select your preference for substitution from the **Available Device Fonts** for each system font, and then click **OK**.



## Advanced Graphic Settings -- PCL

1. On the **Imaging** tab, click the **Graphics Settings...** button. The **Graphics Settings** dialog box appears.



2. Determine the **Options** settings. Refer to the options and descriptions below.

Options	Descriptions
<b>Print Text as Black</b>	Prints color and gray characters in black. There is no effect on white text, color images, or graphics.
<b>Print Graphics as Black (monochrome printers only)</b>	Prints color graphics and text in black, without using grayscales. There is no effect on images or photographs using the following formats: * <b>.bmp</b> : bitmap * <b>.jpg</b> : joint photographic experts group * <b>.psd</b> : portable scheme debugger * <b>.tiff</b> : tagged image file format  This function is enabled in Computer Aided Design (CAD) applications only.

3. Click **OK** to save the settings.

### Detailed Graphics Settings -- KPDLL

1. Click the **Graphics Settings...** button. The **Graphics Settings** dialog box appears.
2. Select the send method for images using the **Optimization** option.
3. Click the **Optimization** drop-down list and select **Fast Printing** or **Document Portability**. Refer to the options and descriptions below.

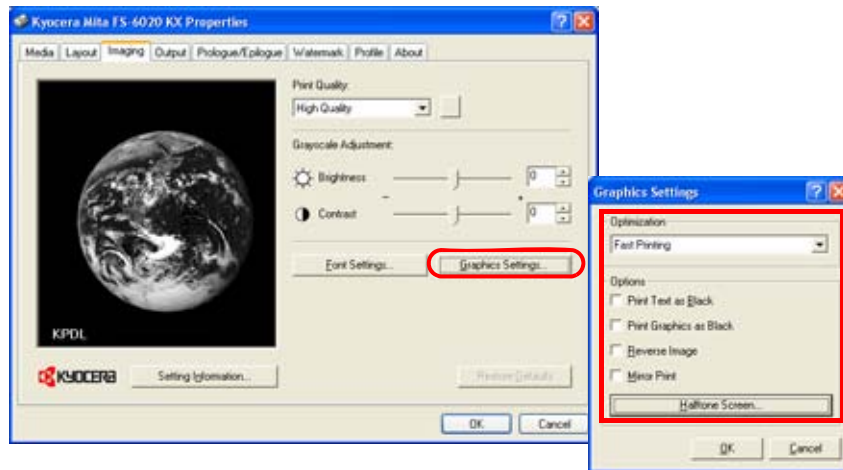


Image Data Format Options	Descriptions
<b>Fast Printing</b>	(Recommended) Delivers image data in binary format. You can reduce the amount of spooler data and raise printing speed.
<b>Document Portability</b>	Delivers image data in ASCII (7 bit) format.

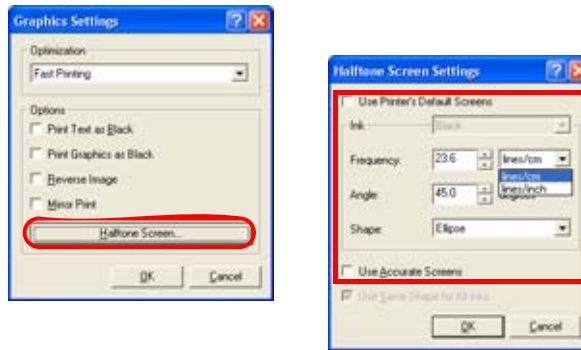
4. Determine the **Options** settings. Refer to the options and descriptions below.

Options	Descriptions
<b>Print Text as Black</b>	Prints color and gray characters in black. There is no effect on white text, color images, or graphics.
<b>Print Graphics as Black (monochrome printers only)</b>	Prints colored graphics or text in black, without using grayscales. There is no effect on images or photographs (*.bmp, *.jpg, *.psd, *.tiff). This function is enabled in CAD applications only.
<b>Reverse Image</b>	Outputs a reversed black and white negative effect.
<b>Mirror Print</b>	Prints a mirror image of the page, with right and left reversed. Produces a mirror-like effect.
<b>Halftone Screen (monochrome printers only)</b>	By disabling <b>GDI compatible mode</b> check box in the <b>PDL Settings</b> , you can enable the halftone screen settings. You can adjust the dithering process by changing the number of dot lines, angle, and dot shapes. Images are divided into dots. As the number of the dot lines increases and the interval between the dots grows smaller, the image is printed more distinctly. As the number is reduced and the interval between the dots is increased the image is printed more coarsely. For further details, refer to the next item, <a href="#">Half Tone Screen Settings</a> on page 71.

5. Click **OK** to save your settings.

### Half Tone Screen Settings

1. Click **Halftone Screen...** on the **Graphics Settings** dialog box. The **Halftone Screen Settings** dialog box appears.



2. Clear the **Use Printer's Default Screens** check box.
3. Select from the drop-down list for each item, or enter values into the boxes to make settings. Refer to the options and descriptions listed below.

Options	Descriptions
<b>Ink</b>	Determines the color used for the printed output.
<b>Frequency</b>	Set the number of lines and units for halftone dots. The units are <b>lines/cm</b> or <b>lines/inch</b> . Enter a value in the <b>Frequency</b> box, and select the units from the drop-down list to the right.
<b>Angle</b>	Determines the halftone dot angle. The setting can range from 0.0 to 180.0 degrees.
<b>Shape</b>	Set the dot shape for halftones. Choose from: <b>Ellipse</b> , <b>Round</b> , and <b>Line</b> .
<b>Use Accurate Screens</b>	Fine adjusts the set values to ensure an accurate number of lines and halftone angle.

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

## Adjusting Color

You can adjust attributes of text and graphics for your color printouts.

### Color Mode

You can switch between printing in **Color (CMYK)** and **Monochrome** modes. Specifying Custom mode allows you to select the desired effects including **Gray Component Replacement**, **Continuous Tone**, **Gloss Mode**, and **Monochrome**. Refer to **Color Mode Definitions** table below.

1. From the **Print** dialog box of the application, access the printer **Properties**. Select **Properties** in the **Print** dialog box opened from the **File** menu.
2. In the **Properties** dialog box, click the **Color** tab.
3. Click the **Color Mode** drop-down list, and make a selection. For further details, refer to the table below.

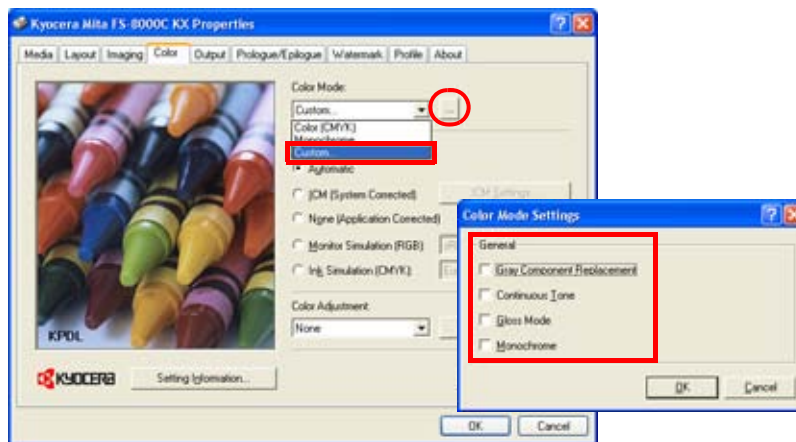


Color Mode Settings Options	Descriptions
<b>Color (CMYK)</b>	Uses the four toner colors to print text and graphics in full color.
<b>Monochrome</b>	Uses only the black toner for black-and-white printing.
<b>Custom</b>	Opens the <b>Color Mode Settings</b> dialog box. You can adjust the settings for gray component replacement, continuous tone, glossy mode, and monochrome mode. For further details, refer to <b>Color Mode Definitions</b> .

### Color Mode Definitions

If you specify **Custom** as the **Color Mode** in the proceeding step, you can make the Custom settings. Detailed settings are available for **Gray Component Replacement**, **Continuous Tone**, **Gloss Mode**, and **Monochrome** options and descriptions shown below.

1. For the **Color Mode**, select **Custom**.
2. Click the [...] button next to drop-down list to display the **Color Mode Settings** dialog box.
3. Select the check box for your preferred settings.



Color Mode Setting Item Options	Descriptions
<b>Gray Component Replacement</b>	Instead of deriving a black color by mixing CMY toners, the black toner is used. This conserves CMY toners and improves the quality of black printing.
<b>Continuous Tone</b>	Pixels are printed in multiple layers. This mode is best for printing photographs.
<b>Gloss Mode</b>	Enhances the luster of printing. Gloss Mode is not supported for duplex printing.
<b>Monochrome</b>	Converts color data to grayscale for printing. This function can be used for a preview before printing in color mode. <b>Gray Component Replacement</b> and <b>Continuous Tone</b> cannot be used with the monochrome mode.

4. Click **OK**.

## Color Matching

Color Matching is used for greater consistency in color reproduction among various devices. It works by compensating for the different color spaces of color printers. A set of parameters called a profile is selected and applied.

The KX printer driver offers a variety of profiles for each simulation of **ICM**, **Monitor** and **Ink**. Color matching options are described below.

1. In the **Properties** dialog box, click the **Color** tab.
2. Select for your preferred settings.



Color Correction Options	Descriptions
<b>Automatic</b>	Color matching is performed based on default color settings. For details, refer to <a href="#">Color Reproduction Settings</a> on page 76.
<b>ICM (System Corrected)</b>	Specifies how the color is processed in the print job in order to match the original as much as possible. Image Color Management (ICM) technology relies upon associating an output device like a printer with a Color Profile. An ICM Profile for a printer contains information about rendering accurate color information for that device. For further details about making these settings, refer to the next section, <a href="#">ICM Settings</a> . ICM is available in Windows 2000/XP only.
<b>None (Application Corrected)</b>	Color matching is only performed by the application.
<b>Monitor Simulation (RGB)</b>	Reproduces the colors in simulation with those displayed on the monitor in RGB mode. <b>sRGB (HDTV):</b> RGB color matching based on HDTV standards.
<b>Ink Simulation (CMYK)</b>	Select <b>Ink Simulation</b> to display the drop-down list. Specifies color matching based on CMYK inks. This option requires that the PDL be set to KPDL. For further details, refer to <a href="#">Page Description Language (PDL) Settings</a> on page 24. <b>Euroscale Press:</b> Simulation based on European offset printing standards. <b>SWOP Press:</b> Simulation based on American offset printing standards.

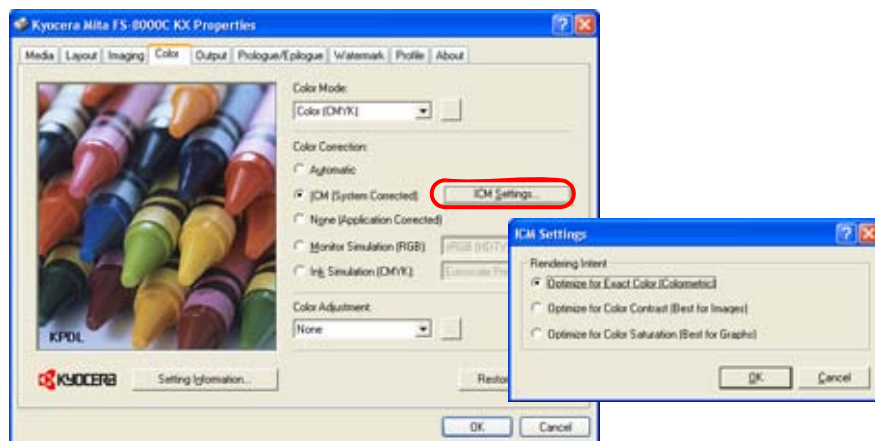


Color Correction Options	Descriptions
<b>Color Reproduction</b>	If <b>Automatic</b> is set for <b>Color Correction</b> , <b>Color Reproduction</b> settings can be made. Objects within the document being printed are separated into three types; images, text, and graphs. The <b>Color Reproduction</b> mode is matched for each. Reproduction can be closer to the original and more vivid than the colors displayed on the monitor. For further details about making these settings, refer to <a href="#">Color Reproduction Settings</a> on page 76.

### ICM Settings

You can select an appropriate color reproduction method that agrees with the contents of the print data.

1. Select **ICM** to display the **ICM Settings...** button.
2. Choose from the Rendering Intent options listed in the table below.



ICM Setting Options	Descriptions
<b>Optimize for Exact Color (Colorimetric)</b>	Utilizes the same color is needed in all print jobs, such as business logos.
<b>Optimize for Color Contrast (Best for Images)</b>	Utilizes images or scanned photographs containing many colors or shades of color.
<b>Optimize for Color Saturation (Best for Graphs)</b>	Utilizes graphs or charts containing solid colors.

3. Click **OK** to save the **ICM Settings**.

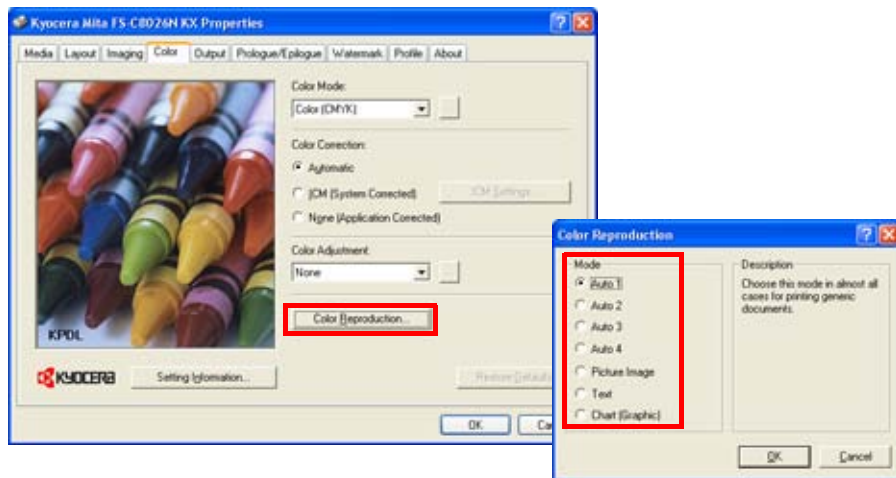


To make this function effective, set the Color Profile as the default on the **Color Management** tab.

## Color Reproduction Settings

Objects within the document being printed are separated into three types, images, text, and graphs, and the **Color Reproduction** mode is matched for each.

1. Select **Automatic** in the **Color Correction** group box, then click the **Color Reproduction** button.
2. The **Color Reproduction** dialog box appears. Select one of the items under **Mode**. Click **OK** to save the color reproduction settings.

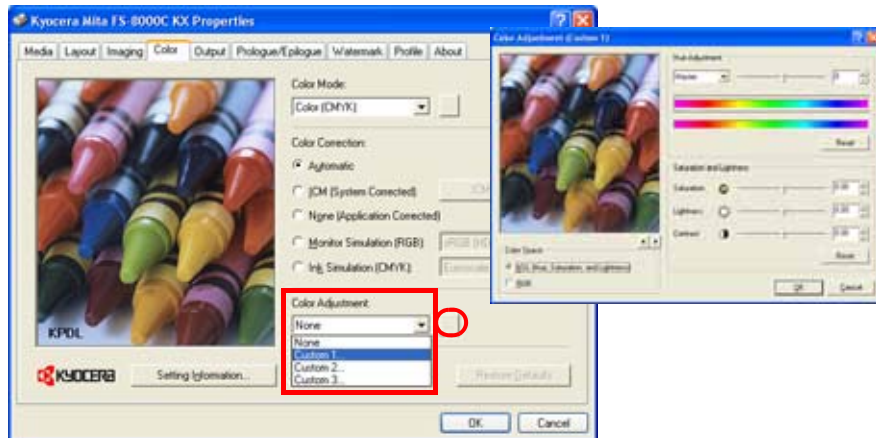


Mode Options	Descriptions
<b>Auto 1</b>	This is the most commonly used standard mode.
<b>Auto 2</b>	<ul style="list-style-type: none"> <li>• Text and graphs are printed in black.</li> <li>• Images are printed in colors close to those used in the monitor display.</li> <li>• Text and graphics are printed in vivid colors.</li> </ul>
<b>Auto 3</b>	<ul style="list-style-type: none"> <li>• Text and graphs are printed in black using four color toners (CMYK).</li> <li>• Images are printed in colors close to those used in the monitor display.</li> <li>• Text and graphics are printed in vivid colors.</li> </ul>
<b>Auto 4</b>	<ul style="list-style-type: none"> <li>• Images and graphs are printed in colors close to those used in the monitor display.</li> <li>• Text and graphics are printed in vivid colors.</li> </ul>
<b>Picture Image</b>	Images, text, and graphs are printed in colors that are close to those shown on the monitor. This is the optimal mode for printing photographs.
<b>Text</b>	Print all objects written in black using black toner only. All objects are printed in vivid colors.
<b>Chart (Graphics)</b>	Print all objects, including those written in black, using four color toners (CMYK). All objects are printed in vivid colors.

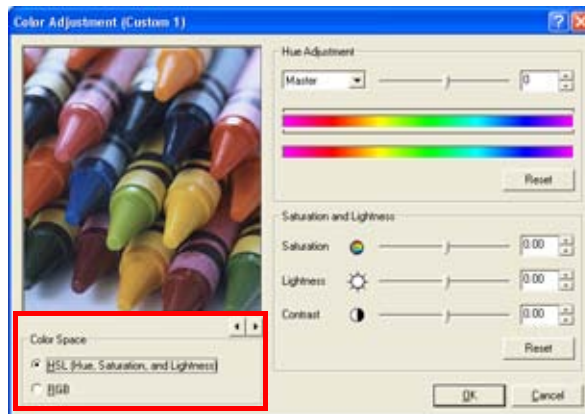
### Color Adjustment Settings -- HSL

You can save the three **Color Adjustment** settings as a Custom selection. The setting options and saving instructions are described below.

1. From the **Color Adjustment** drop-down list, choose **Custom 1**, **Custom 2**, or **Custom 3**.
2. Click the [...] button next to the drop-down list to display the **Color Adjustment** dialog box.



3. In the **Color Space** group box, select **HSL (Hue, Saturation, Lightness)**.



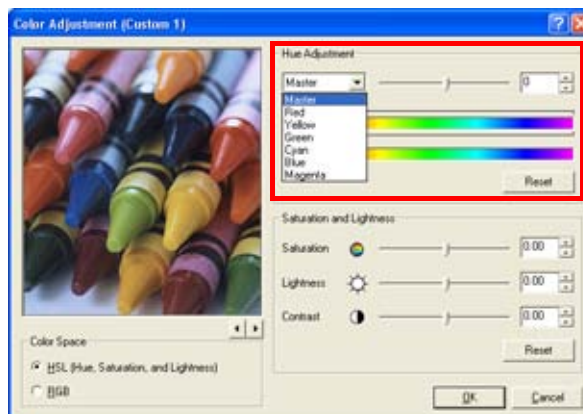
Color Space Option	Description
<b>HSL (Hue, Saturation, and Lightness)</b>	Offers adjustment of hue, color intensity, brightness, and contrast.

- By clicking the buttons beneath the photograph, you can select from three different photographic images.

Since the colors emphasized by each of the photographs are different, this simplifies the color adjustment process.



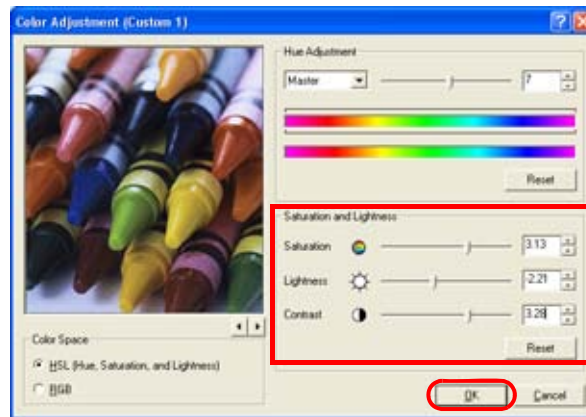
- Complete the **Hue Adjustment**. Adjust the distribution and balance of hues.
  - Coordinated Hue Adjustment:** Select **Master** from the **Hue Adjustment** drop-down list. Drag the slider to the right or left to increase or decrease the value between -180 and +180.
  - Specific Hue Adjustment:** Select **Red, Yellow, Green, Cyan, Blue, or Magenta** from the **Hue Adjustment** drop-down list. Or drag the slider to the right or left to increase or decrease the values between -10 and +10.
  - Default settings:** Click the **Reset** button to return to the original factory default settings.



**6.** Adjust the Saturation and Lightness.

- Drag the slider to adjust the Saturation, Lightness, and Contrast, or increase or decrease the values between -10 and +10.
- Click the **Reset** button to return to the original factory default settings.

**7.** Click **OK**.



**8.** Click **OK** to save the settings.

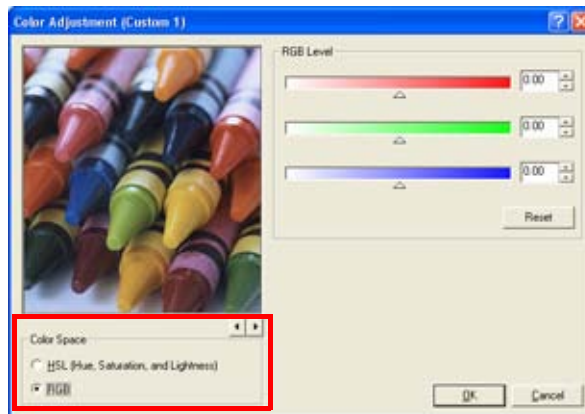
## Color Adjustment Settings -- RGB

You can save the three **Color Adjustment** settings as a **Custom** selection. The setting options and saving instructions are described below.

1. From the **Color Adjustment** drop-down list, choose **Custom 1**, **Custom 2**, or **Custom 3**.
2. Click the [...] button next to the drop-down list to display the **Color Adjustment** dialog box.



3. In **Color Space**, select **RGB** mode.



Color Space Option	Description
RGB	Adjusts using red, green, and blue levels.



- By clicking the buttons beneath the photograph, you can select from three different photographic images.

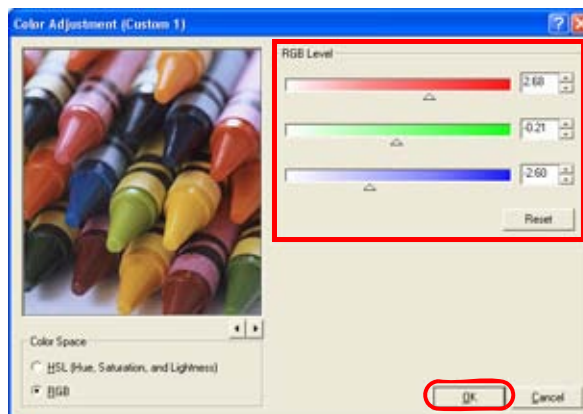
The color adjustment process is simplified since the colors emphasized by each of the photographs below varies.



- Adjust the **RGB Level**.

- You can modify the levels of red, green, and blue based on the monitor settings.
- Drag each slider of the RGB setting, or increase or decrease the values between -10 and +10 in the spin box.
- Click the **Reset** button to restore the original default settings.

- Click **OK** to save the color adjustment settings.



- Click **OK**.





## 4. Useful Functions

This section describes useful functions of the printer driver.



Note

The properties boxes described here may differ from those for your printer.

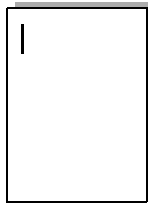
### Staple

The **Staple** feature is available on printers with an optional finisher installed. If a booklet stitcher unit is installed, the **Booklet Printing** feature is available. For further details, refer to [Booklet Printing](#) on page 99.

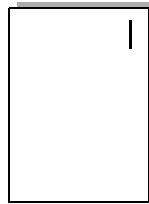
After installation, optional equipment must be selected by the printer driver (device settings). For further details, refer to [Installing Optional Devices](#) on page 17.

Printed documents can be stapled in the positions shown below.

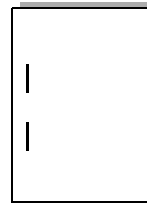
**Upper Left**



**Upper Right**



**Booklet**



Note

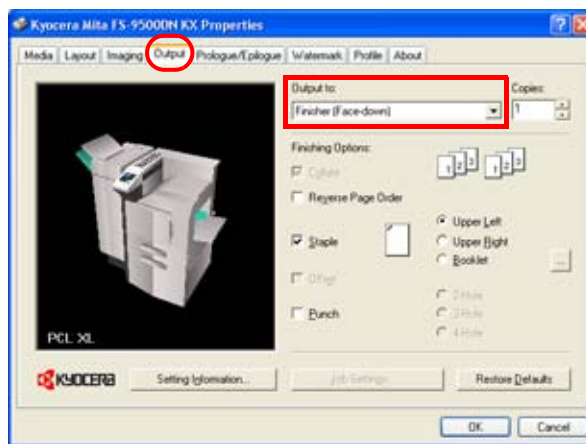
**Staple** and **Offset** features cannot be used simultaneously.

## Using the Stapler

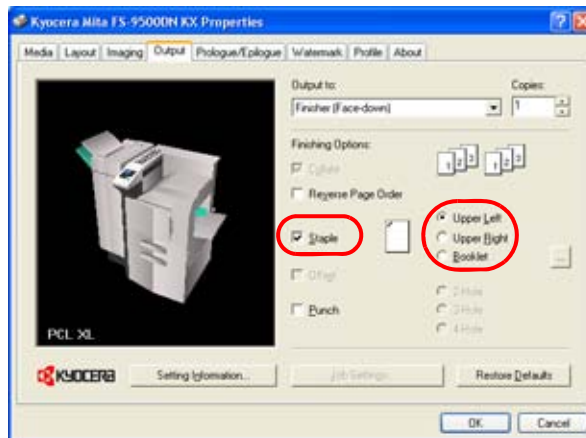


When the paper size is **A4**, **B5**, or **Letter**, the **Orientation** must be set to **Rotated** in order to staple the **upper-right** corner. For further details, see the explanation on page 40 in step **8** in the **Basic Printing Tasks** section.

1. From the application's **Print** dialog box, access **Properties**. (Select **Print** from the **File** menu and select **Properties**).
2. On the **Output** tab, select **Finisher (Face-down)** from the **Output to** drop-down list.

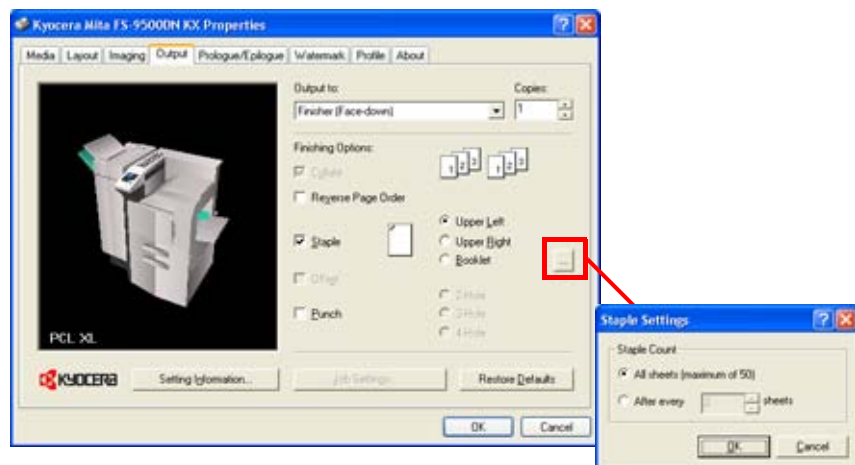


3. Select the **Staple** check box in the **Finishing Options** group box. Select one of the following as the stapling position: **Upper Left**, **Upper Right**, or **Booklet**.



4. Click the [...] button on the right of the stapling position. The **Staple Settings** dialog box appears. Specify the number of pages to staple by adjusting the arrows in the Staple Count group box.

- **All Sheets (maximum of 50):** Staples and outputs all pages of documents that have 50 pages or less. If the document being printed has 51 or more pages, it cannot be stapled. For example, If the document being printed has 58 pages, it cannot be stapled.
- **After every sheet(s):** Parameter separates documents into sets with a specific number of pages, then staples and outputs them. You can designate from 2 to 50 pages in each stapled set. Even if there are fewer than the specified number of pages, the document will be stapled. For example, if stapling has been specified for every 50 pages and a document is printed that has a total of 58 pages, the print job will be split into two separate stapled sets of 50 and 8 pages.

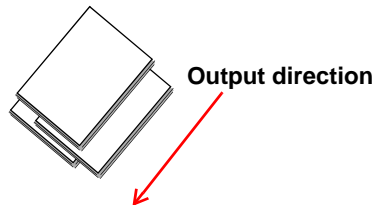


5. Click **OK** to return to the **Print** dialog box, and click **OK** to start printing.

The final printed document is stapled by the finisher and delivered to the output tray. For further details about stapler specifications, refer to your supplied finisher Operation Guide.

## Offset

The **Offset** stacks each printed document by shifting from right to left as it is delivered to the output tray.



**Offset** is available on printers with a supported finisher (optional) installed.

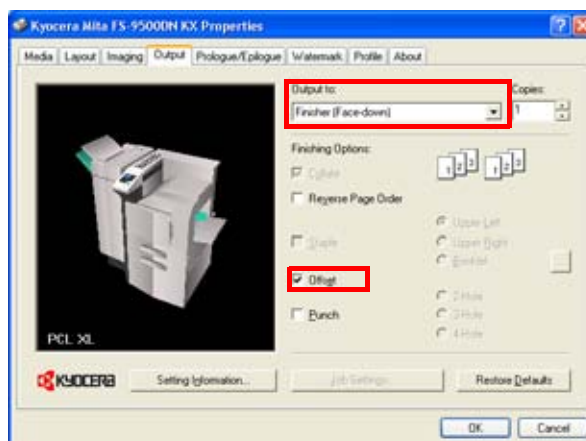
After installation, optional equipment must be recognized by the printer driver (device settings). For further details, refer to [Installing Optional Devices](#) on page 17.



**Offset** and **Staple** cannot be used simultaneously.

### Using the Offset

1. From the application's **Print** dialog box, specify the number of copies of the document to be printed.
2. Click **Properties** in the **Print** dialog box. The **Properties** dialog box appears.
3. Click the **Output** tab in the **Properties** dialog box.
4. Set either **Finisher (Face-down)** or **Finisher (Face-up)** as the output destination, then enable the **Offset** check box in the **Finishing Options** section.

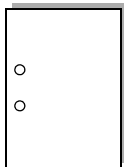


5. Click **OK** to return to the **Print** dialog box, and click **OK** to start printing.

After the first set is delivered, the second set will be delivered offset to the side. Then the printer delivers the third set in the same position as the first and the fourth set in the same position as the second.

## Punch

The **Punch** feature inserts holes (two holes) in each printed page.



The **Punch** feature is available on printers with supported optional finisher installed.

After installing the printer driver, optional equipment must be selected in the driver in order to use the punch option (device settings). For further details, refer to [Installing Optional Devices](#) on page 17.

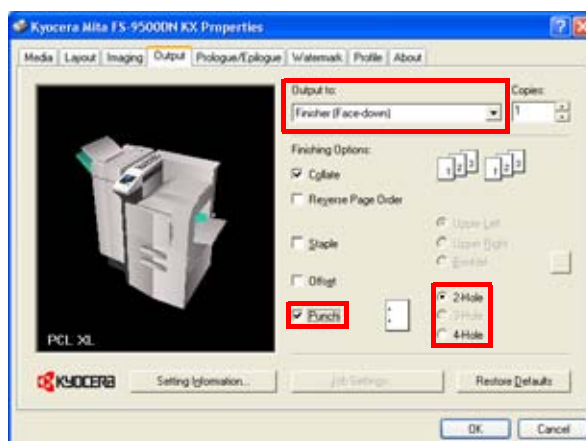


Note

**Punch** and **Booklet Printing** cannot be used simultaneously.

### Using the Punch

1. In the **Properties** dialog box, click the **Output** tab.
2. Select either **Finisher (Face-down)** or **Finisher (Face-up)** as Output destination.
3. Select the **Punch** check box in the **Finishing Options** section, and select the number of holes.



4. Click **OK** to return to the **Print** dialog box, and click **OK** to begin printing.  
Holes are punched in each printed page.

## Cover Mode, Page Insert, and Transparency Interleaving

This section describes the cover mode, page insert, and transparency interleaving features of the printer driver. When the Cover Mode, Page Insert, and Transparency Interleaving options are used with the multi-purpose 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 heavier or a different 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 **Media** settings of the **Properties** dialog box. The source of the cover paper is specified by adjusting settings in the **Advanced Media Settings** dialog box. You can also print on the covers.

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

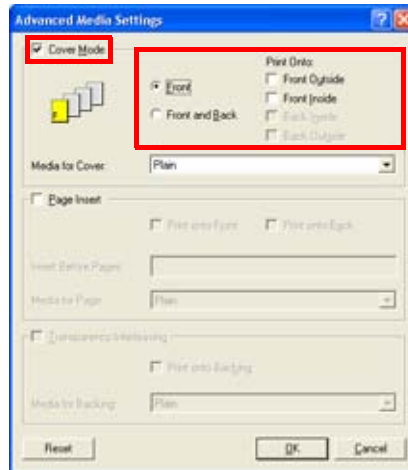
Although the **Cover Mode** and **Page Insert** may be used simultaneously, they cannot be used with the **Transparency Interleaving** option.

For further details on printing with covers in the booklet printing settings, refer to [Booklet Printing](#) on page 99.

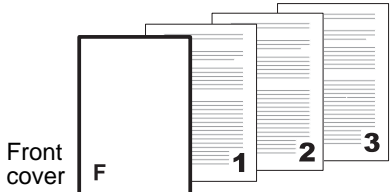
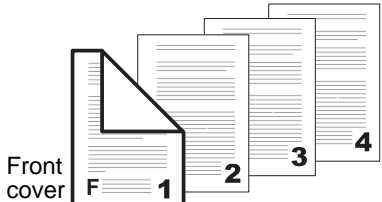
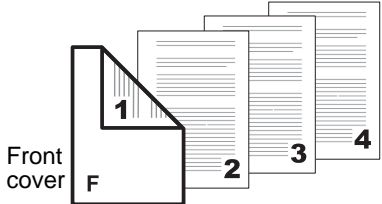
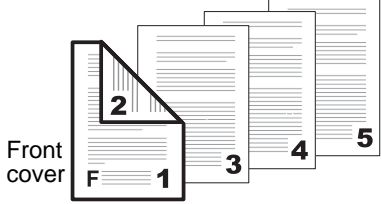
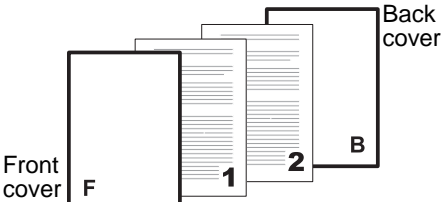
### Printing with Covers

1. From the application's **Print** dialog box, access the printer **Properties**. Select **Print** from the **File** menu and select **Properties**.
2. In the **Properties** dialog box, click the **Media** tab, and then click **Advanced...**

3. Select the **Cover Mode** check box. Select your desired page arrangement as shown in the following table.



## Cover Printing Options

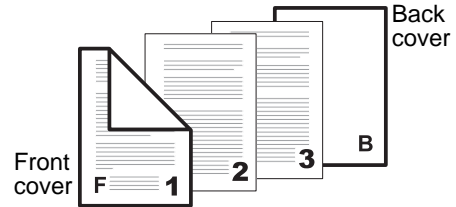
Check Box Selection	Cover Insertion Type
<input type="radio"/> Front	<ul style="list-style-type: none"> <li>• Inserts a blank front cover.</li> </ul> 
<input type="radio"/> Front <input checked="" type="checkbox"/> Front Outside	<ul style="list-style-type: none"> <li>• Prints on the outside surface of the front cover.</li> </ul> 
<input type="radio"/> Front <input checked="" type="checkbox"/> Front Inside Duplex Printing (page 50).	<ul style="list-style-type: none"> <li>• Prints on the inside surface of the front cover.</li> </ul> 
<input type="radio"/> Front <input checked="" type="checkbox"/> Print Onto Front Outside <input checked="" type="checkbox"/> Print Onto Front Inside Duplex Printing (page 50).	<ul style="list-style-type: none"> <li>• Prints on the outside and inside surfaces of the front cover.</li> </ul> 
<input type="radio"/> Front and Back	<ul style="list-style-type: none"> <li>• Inserts blank front and back covers.</li> </ul> 



Check Box Selection	Cover Insertion Type
---------------------	----------------------

- Front and Back
- Front Outside

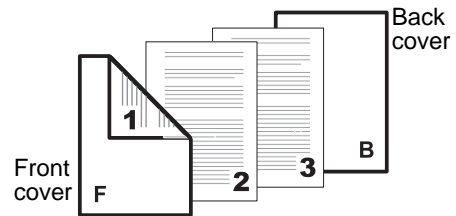
- Prints on the outside surface of the front cover and inserts a blank back cover.



- Front and Back
- Front Inside

Duplex Printing (page 50).

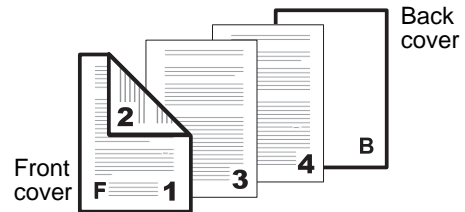
- Prints on the inside surface of the front cover and inserts a blank back cover.



- Front and Back
- Front Outside
- Front Inside

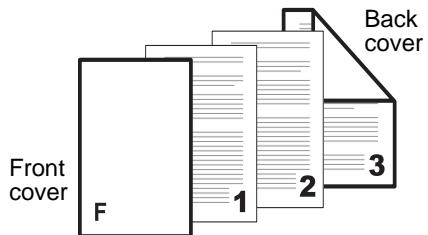
Duplex Printing (page 50).

- Prints on both sides of the front cover and inserts a blank back cover.



- Front and Back
- Back Inside

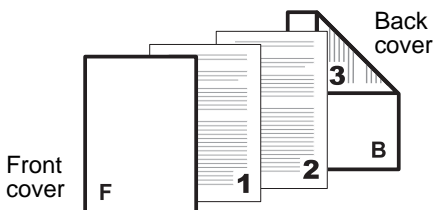
- Inserts blank front and back covers.



- Front and Back
- Back Outside

Duplex Printing (page 50).

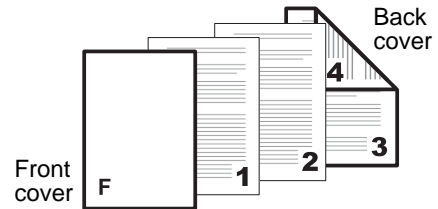
- Prints on the outside surface of the front cover and inserts a blank back cover.



Check Box Selection	Cover Insertion Type
---------------------	----------------------

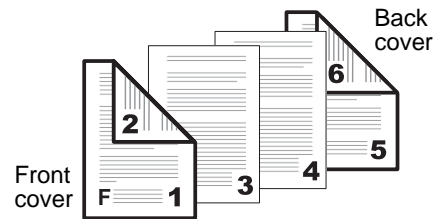
- Front and Back
  - Back Inside
  - Back Outside
- Duplex Printing (page 50).

• Prints on the inside surface of the front cover and inserts a blank back cover.

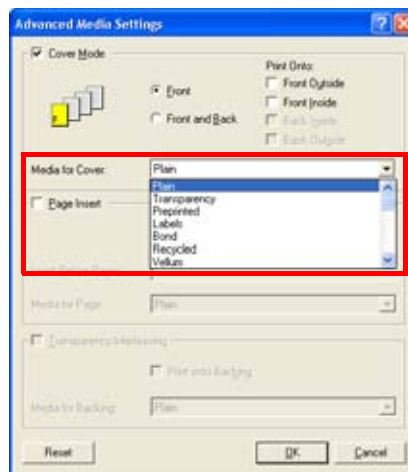


- Front and Back
  - Front Outside
  - Front Inside
  - Back Inside
  - Back Outside
- Duplex Printing (page 50).

• Prints on both sides of the front cover and inserts a blank back cover.



4. From the **Media for Cover** drop-down 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.



Heavy, thin, or other special papers must be supplied from the multi-purpose tray.

Media type selections are not supported for the following models:  
KM-1510, KM-1530, KM-1810, KM04230, KM-5230, and KM-6230.

5. Click **OK** to return to the **Media** dialog box.
6. Load the paper for the front and back cover in the paper cassette selected in step 4.
7. Click **OK** to return to the **Print** dialog box

8. Click **OK** to start printing.

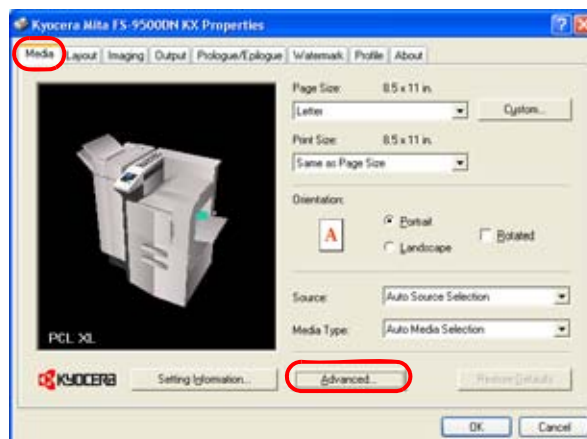
## Page Insert

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 duplexer unit is installed, you can also print on the reverse of the inserted paper.

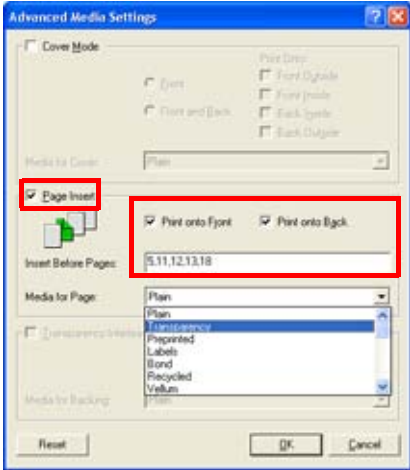
Although the **Page Insert** and **Cover mode** may be used simultaneously, they cannot be combined with the **Transparency Interleaving** described in [Transparency Interleaving](#) on page 96.

## Insert Page Printing

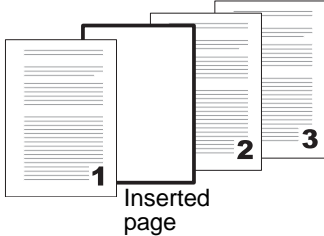
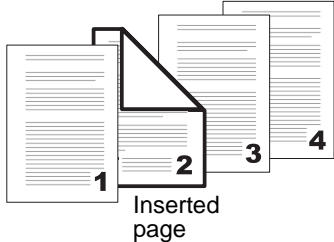
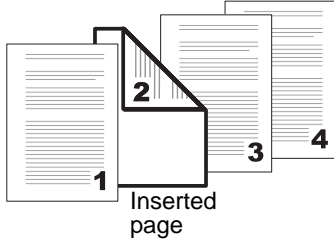
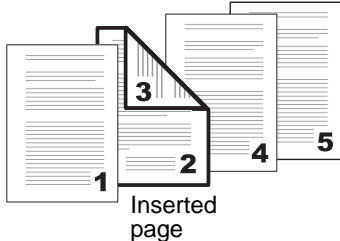
1. From the application's **Print** dialog box, access the printer **Properties**. (Select **Print** from the **File** menu and select **Properties**).
2. In the **Properties** dialog box, click the **Media** tab, and then click **Advanced...**



3. Select the **Page Insert** check box. Select the check box corresponding to your desired page arrangement as shown in the following table. To print on both the front and back of the inserted page, enable the **Print onto Front** and **Print onto Back** check boxes.



## Insert Page Combinations

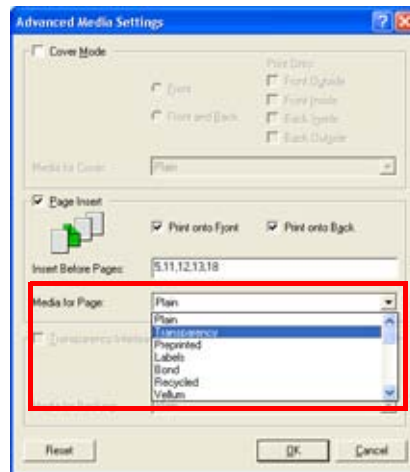
Check Box Options	Printing Inserted Pages Descriptions
<input checked="" type="checkbox"/> Page Insert	<ul style="list-style-type: none"> <li>• Inserts a blank page before the second page.</li> </ul> 
<input checked="" type="checkbox"/> Page Insert <input checked="" type="checkbox"/> Print onto Front	<ul style="list-style-type: none"> <li>• Prints on the outside surface of the inserted page.</li> </ul> 
<input checked="" type="checkbox"/> Page Insert <input checked="" type="checkbox"/> Print onto Back Duplex Printing (page 50).	<ul style="list-style-type: none"> <li>• Prints on the inside surface of the inserted page.</li> </ul> 
<input checked="" type="checkbox"/> Page Insert <input checked="" type="checkbox"/> Print onto Front <input checked="" type="checkbox"/> Print onto Back Duplex Printing (page 50).	<ul style="list-style-type: none"> <li>• Prints on both sides of the inserted page.</li> </ul> 

4. 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 from page 2 and ending on page 255.

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 ].

5. From the **Media for Page** drop-down 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 multi-purpose tray.



6. Click **OK** to return to the **Media** dialog box.
7. Click **OK** to return to the **Print** dialog box.
8. Load the paper for insertion in the paper cassette.
9. Click **OK** and begin printing.

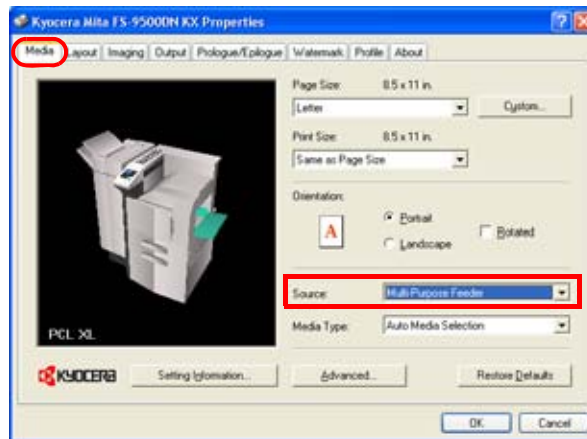
### Transparency Interleaving

By inserting a page between each sheet of paper, you can avoid damaging the transparencies, inserting a sheet of paper between them. This function is only available when printing transparencies supplied from the multi-purpose tray. On these inserted pages you can print the same content as for the transparencies.

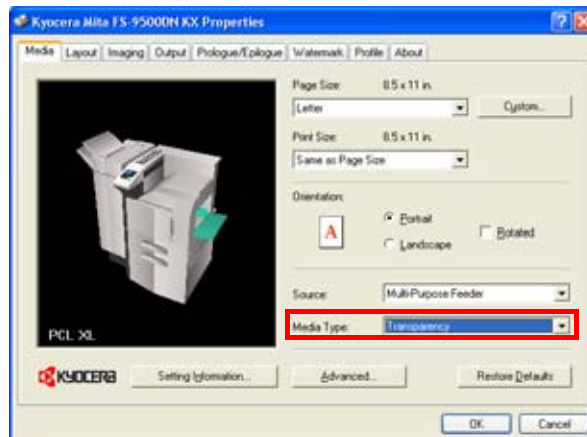
**Transparency interleaving** and **Cover Mode** or **Page Insert** cannot be used simultaneously.

## Transparency Interleaving Method

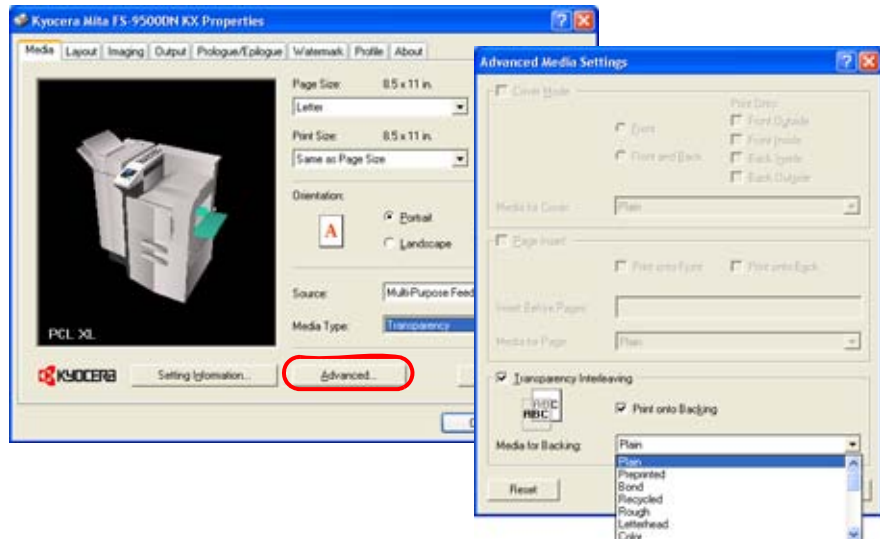
1. From the application's **Print** dialog box, access the printer **Properties**. Select **Print** from the **File** menu and select **Properties**.
2. From the **Source** drop-down list on the **Media** tab, select **Multi-Purpose Feeder**.



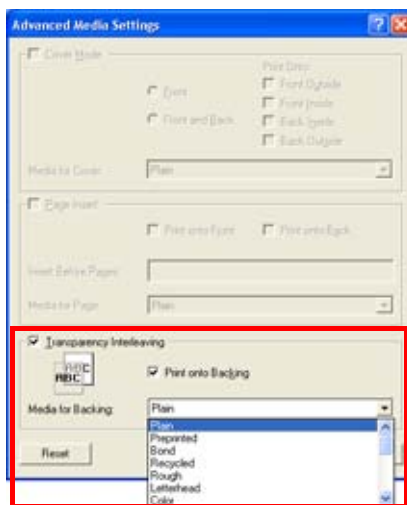
3. From the **Media Type** drop-down list, select **Transparency**.



4. Click **Advanced...** to access the **Advanced Media Settings** dialog box.



5. Select the **Transparency Interleaving** check box. To print the transparency content on the inserted pages as well, Select the **Print onto Backing** check box.



6. From the **Media for Backing** drop-down list, select the media type and the source paper cassette. When you choose the media type, the source cassette where that media is loaded will be automatically selected.
7. Click **OK** to return to the **Media** dialog box.
8. Click **OK** to return to the **Print** dialog box.
9. Load transparency into the multi-purpose tray.
10. Click **OK** and begin printing.



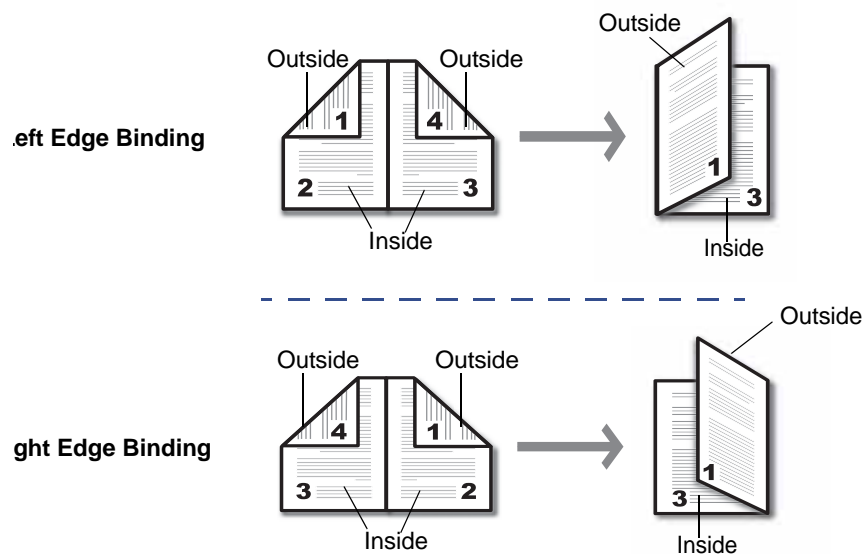
## Booklet Printing

Using the Booklet Printing option, you can print a two-page layout on both sides of single sheet of paper, then bind it in the center. Booklet printing is available with printers equipped with duplexers. Stapling and binding requires optional document finishers. For further details on **Staple** settings, refer to [Staple](#) on page 83.

The supported paper sizes for Booklet Mode printing are A3, ledger, B4, A4, and letter size. The Booklet Printing can be combined with the **Cover Mode**. For further details, refer to [Printing with Covers](#) on page 88.

### Left-Edge and Right-Edge Binding

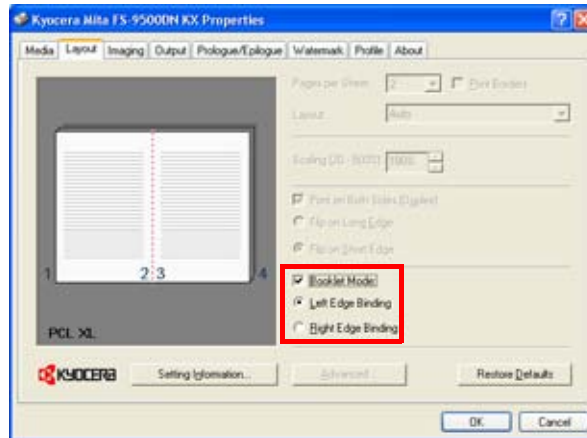
Printing a four-page document as a booklet, for example, will result in automatic duplex printing shown below. You can choose between left-edge binding and right-edge binding.



### Using Booklet Printing

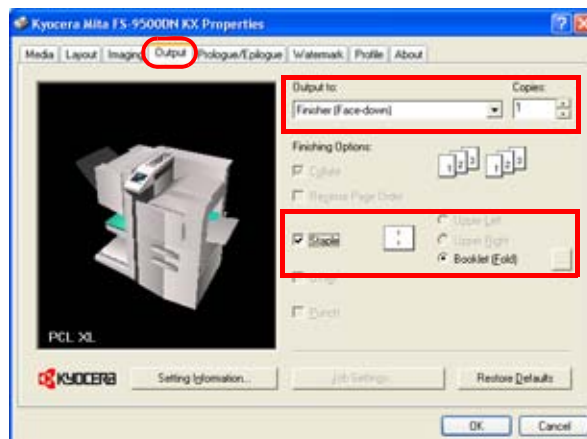
1. From the application's **Print** dialog box, access the printer **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Access the printer **Properties** and click the **Layout** tab.

3. Select the **Booklet Mode** check box. Choose either **Left Edge Binding** or **Right Edge Binding**.



Complete the following steps to utilize the stapling feature.

4. Click the **Output** tab, and set **Finisher (Face-down)** for **Output to**.



5. Select the number of copies you wish to print.
6. Select the **Staple** check box. **Booklet (Fold)** printing is selected automatically.  
 Click the [...] button to the right of the list and set the number of sheets to staple together. The maximum number of sheets that can be stapled with booklet mode is 10 (40 pages). When printing documents that have more than 40 pages, the pages over 40 will be separated and printed in groups of 40 each.
7. Click **OK** to return to the **Print** dialog box.
8. Click **OK** to start printing.

## Collating Modes

By attaching a sorter to your printer, 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.

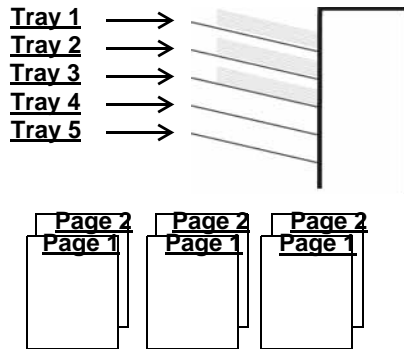
### Sorter Modes

There are three sorter modes to choose from. These modes are selected on the printer driver **Output** tab:

- **Collating mode**
- **Non-collating mode**
- **Mailbox mode**

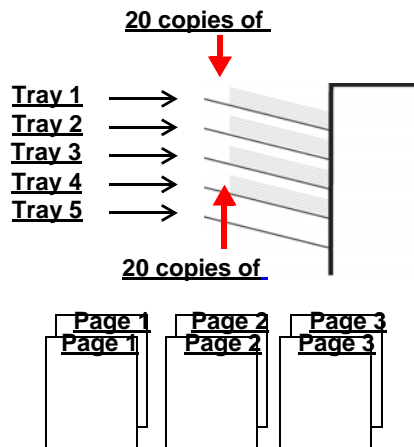
## Sorter Mode Differences

### Collating



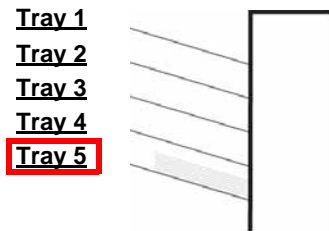
- Collating produces the specified number of copies as complete sets of documents in each tray.
- The document is printed following the page order and received in each tray. The number of document copies must not exceed the number of trays. If a tray becomes full, the printer pauses and displays a message 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 printer or a RAM disk. For setup information, refer to [RAM Disk Settings](#) on page 20.

### Non-collating



- Collating 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 printer 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 printer pauses and displays a message to remove the paper from the tray.

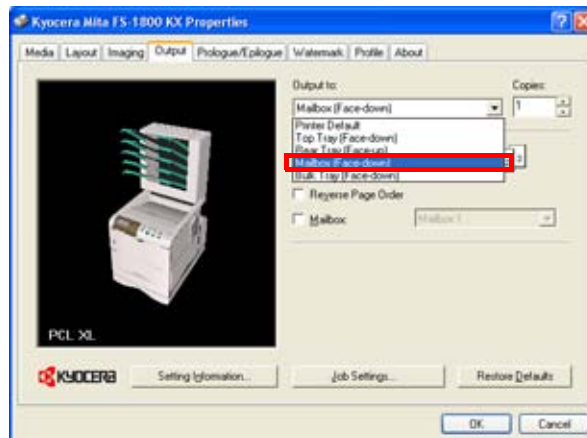
### Mailbox



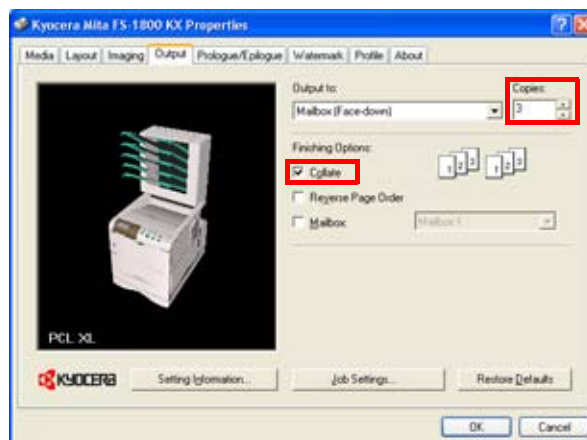
- The mailbox mode produces copies in specified user trays, which is useful when the printer is shared among different users. For example, specifying tray 5 produces a copy of the document in tray 5.
- If a tray becomes full, the printer pauses and displays a message to remove the paper from the tray.

## Collating

1. Access the **Properties** and click the **Output** tab.
2. From the **Output to** drop-down list, select **Mailbox Face-down**.



3. Select the **Collate** check box.

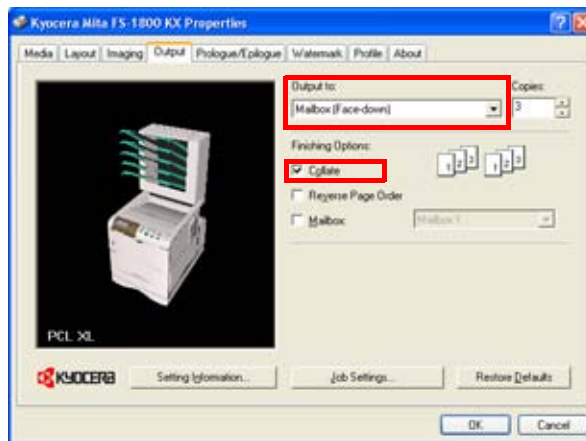


4. Select the number of complete sets in the **Copies** combo box. When printing using the collate option, specify the number of copies not to exceed the number of trays. The document page length must not exceed the tray capacity (for example, 200 sheets).
5. Click **OK** to return to the **Print** dialog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

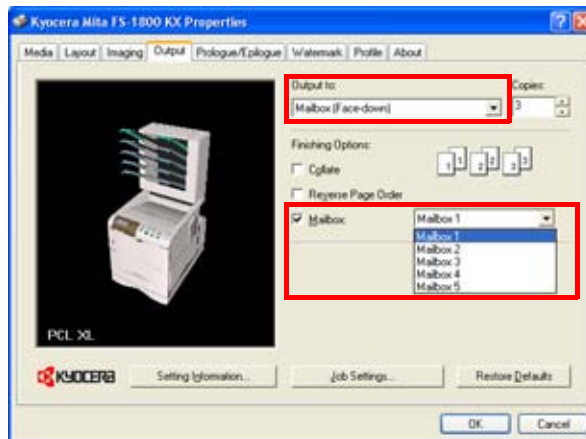
1. Access the **Properties** and click the **Output** tab.
2. From the **Output to** drop-down list, select **Mailbox Face-down**.
3. Clear the **Collate** check box.



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.

## Mailbox Mode

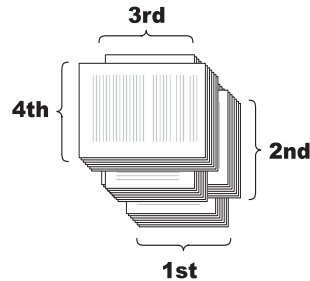
1. From the **Output to** drop-down list, select **Mailbox Face-down**.
2. Select the **Mailbox** check box. Select the desired output tray to be used (for example **Mailbox 1**) from the drop-down list at right.



3. Click **OK** to return to the **Print** dialog box, and click **OK** to start printing. The document is delivered to the specified tray, (for example **Mailbox 1**).

## Rotate Collate

The Rotate Collate stacks the sets produced in the top tray in alternating orientations.

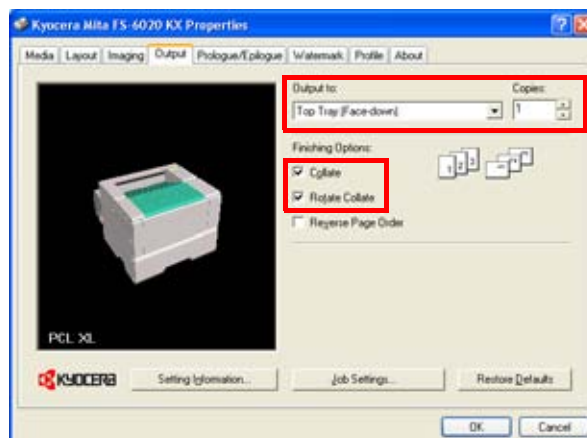


This function is available when printing using A4, B5, and letter size paper. During printing, the same size paper must be loaded into two separate paper cassettes. For example, Portrait (A4) and Landscape (A4-R) would be used when printing onto A4 paper. The MP tray can also be used as a paper source.

This function requires a hard disk installed in the printer or a RAM Disk. For further details on Hard Disk settings, refer to [RAM Disk Settings](#) on page 20.

### Using Rotate Collate

1. Access the **Properties** and click the **Output** tab.
2. From the **Output to** drop-down list, select **Top Tray (Face-down)**.
3. Enter the number of sets to be output in the **Copies** combo box. The number of pages for all copies of the document being printed must not exceed the tray capacity.
4. Select the **Collate** and **Rotate Collate** check boxes.



5. Click **OK** to return to the **Print** dialog box, and click **OK** to start printing. The collated document sets are delivered in alternating horizontal and vertical orientation.

## Job Settings

The Job Settings option is available when you install an optional hard disk on the printer. For further details on hard disk installation and setup, refer to [RAM Disk Settings](#) on page 20.

**Private print** and **Proof and Hold** can be used with a RAM disk.

Job Settings offers a variety of functions as listed below.

Printer Driver Menu Options	Function	Job Deletion after Printing	Access Code	Panel Message (Category)	Default number of pages printed
<a href="#">Quick Copy</a>	After printing a job, you can reprint it from the printer operator panel.	Saved until printer power is turned off	No	<b>Menu&gt; e-MPS &gt;Quick Copy</b>	Same as for original job (adjustable)
<a href="#">Proof and Hold</a>	When you print multiple copies, the printer produces one copy for proofing and pauses. You can resume printing the remaining copies from the printer operator panel.	Saved until printer power is turned off	No	<b>Menu&gt; e-MPS &gt;Quick Copy</b>	One fewer than original job (adjustable)
<a href="#">Private Print</a>	Saves print jobs (without printing them) for printing later using the printer operator panel. Printing with this function requires an access code.	Deleted after printing	Yes	<b>Menu&gt; e-MPS &gt; Private/Stored</b>	Same as for original job (adjustable)
<a href="#">Job Storage</a>	This function is used for saving frequently used office forms to print later as needed. You can print the required number of copies later from the printer operator panel.	Saved until manually deleted	Optional	<b>Menu&gt; e-MPS &gt; Private/Stored</b>	1



Note

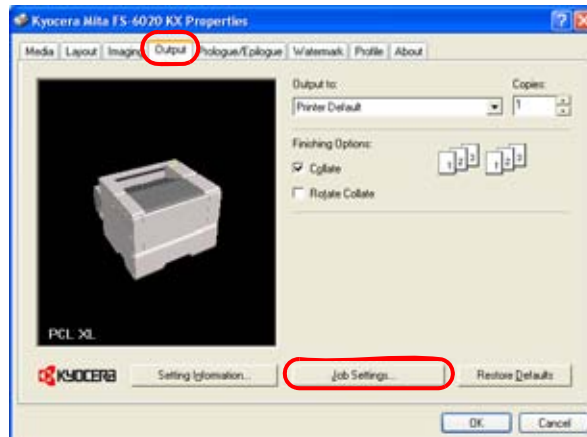
- Sometimes the application settings are given priority over the printer driver settings, causing a change in the output method.
- If you select one of the Job Setting options, the hard disk icon displays in the lower corner of the 3-D image.



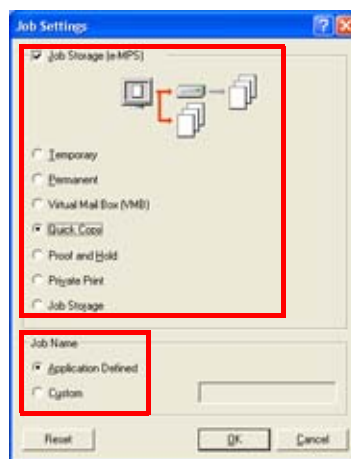
## Quick Copy

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

1. In the **Properties** dialog box, click the **Output** tab, and then click **Job Settings**. The **Job Settings** dialog box appears.



2. In the **Job Settings** dialog box, enable 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 print operator panel. In **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**.

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, refer to [Printing Additional Copies of Quick Copy Jobs](#) on page 108.

## Printing Additional Copies of Quick Copy Jobs



The actual key operation may differ depending on the model.

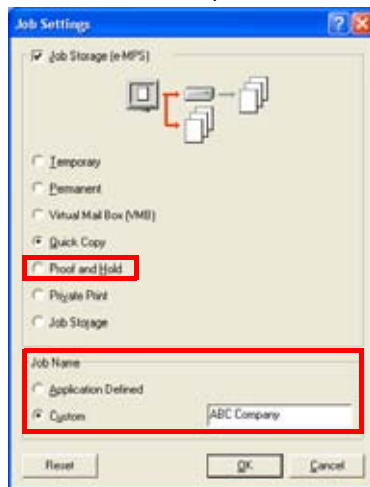
1. Press the **MENU** key on the printer operator panel.
2. Press the **▲** or **▼** key repeatedly until **e-MPS >** appears.
3. Press the **▶** key to access the submenu.
4. Press the **▲** or **▼** key repeatedly until **>Quick Copy** appears.
5. Press the **ENTER** key. A blinking question mark [ ? ] 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 the [Identification](#) on page 22 to continue.
8. The job name appears with a blinking question mark [ ? ].  
If this is the correct job for printing, press the **ENTER** key.  
  
Otherwise, press the **▼** or **▲** key until the correct name appears. Then, press the **ENTER** key.
9. Press the **▼** or **▲** key to specify the number of copies.
10. 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 108.
2. If this is the correct job for deletion, press the **ENTER** key.  
  
Otherwise, press the **▲** or **▼** key until the correct name appears.
3. After the menu for specifying the number of print copies appears, press the **▼** key once. **Delete** appears.
4. Press the **ENTER** key to delete the job.

## Proof and Hold

1. Access the **Job Settings** dialog box as indicated in the instructions for [Quick Copy](#) on page 107. Select **Proof and Hold**.
2. Name the job for future reference when printing from the print operator panel.
  - If you select **Application Defined** in **Job Name**, the application automatically names the document.
  - In the **Job Name** group box, select **Custom** to enter a name of your choice. The name can be up to 31 characters in length.



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.

## Printing the Remaining Copies of Proof and Hold Jobs

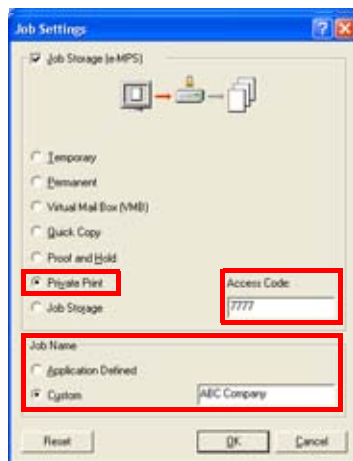
You can print the remaining copies of **Proof and Hold** jobs following the same steps as for [Printing Additional Copies of Quick Copy Jobs](#) on page 108. Use the keys on the printer operator panel to proceed. When using the **Proof and Hold** option, the number of copies displayed will be one less than the total due to the existing proof copy. The printed jobs will remain saved on the hard disk until the printer is turned off. To delete jobs manually, use the same key operations as explained in [Deleting Quick Copy Jobs](#) on page 108.

## 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. To print using **Private Print**, follow these steps:

1. Access the **Job Settings** dialog box as indicated in the instructions for [Quick Copy](#) on page 107. Select **Private Print**.
2. Enter four digits with any numbers between 0 and 9 for the **Access Code**.  
When you want to print a saved job, enter the access code on the printer operator panel.
3. You can name the job for later reference when printing from the print operator 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**.

## Printing Private Print Jobs



The actual key operation may differ depending on the printer model.

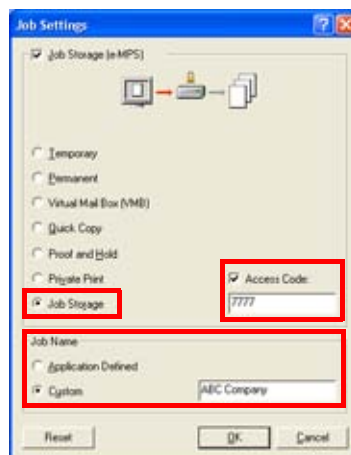
1. On the printer operation panel, press the **MENU** key.
2. Press the ▲ or ▼ key repeatedly until **e-MPS >** appears.
3. Press the ► key to access the submenu.
4. Press the ▲ or ▼ key repeatedly until **>Private/Stored** appears.
5. Press the **ENTER** key, the user name displays with a blinking question 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 the [Identification](#) on page 22. If this is the correct job for printing, press the **ENTER** key.  
Otherwise, press the ▼ or ▲ key until the correct job name appears, then press the **ENTER** key.
9. Enter the four-digit access code created in [Private Print](#) on page 110.
10. Press the ▼ or ▲ key to increase or decrease the number.
11. Press the ◀ or ▶ key to move the cursor right and left.
12. Press the **ENTER** key. Use the ▼ or ▲ key to specify the number of copies for printing.
13. Press the **ENTER** key to start printing.

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 108.

## Job Storage

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

1. Access the **Job Settings** dialog box as indicated in the instructions for [Quick Copy](#) on page 107. 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 operator panel.
3. You can name the job for future reference when printing from the print operator panel.
  - If you select **Application Defined** in the **Job Name** field, the application automatically names the document.
  - In **Job Name**, select **Custom** to 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.

## Printing Jobs Saved Using Job Storage

To print forms and other documents saved using Job Storage, follow the same steps as for [Printing Private Print Jobs](#) on page 111.

The stored jobs will remain saved even after the printer is switched off. To delete them manually, follow the same steps as for [Deleting Quick Copy Jobs](#) on page 108. When deleting jobs, you must enter the same access code as saved in the **Job Storage** procedure.

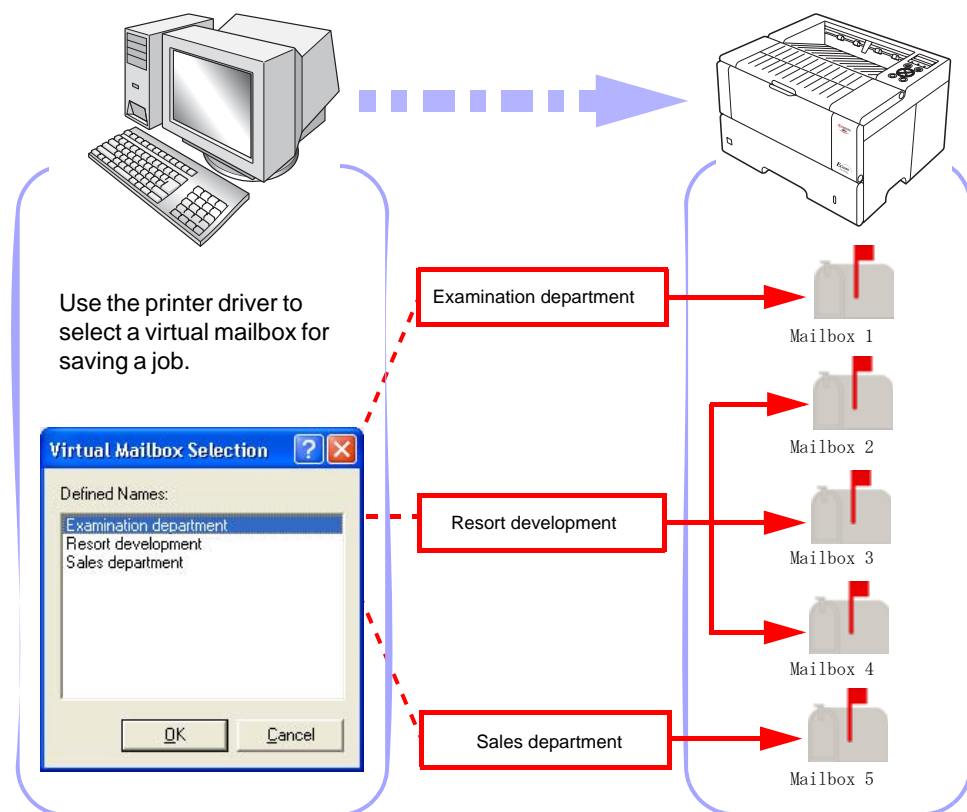
## Virtual Mailbox

With the Virtual Mailbox feature, mailboxes created on the hard disk are assigned to multiple users. Jobs posted to a virtual mailbox can be printed later from the printer operator panel. Jobs saved in virtual mailboxes are automatically deleted after printing and jobs that have not been printed are saved if the printer is switched off. You must create and setup your virtual mailboxes prior to utilizing this feature.



The Virtual Mailbox feature is available when the printer is set to emulate HP PCL 5e, PCL XL, or PCL 5c. For information on emulation settings, refer to [Page Description Language \(PDL\) Settings](#) on page 24.

Create a virtual mailbox by specifying a mailbox name and number. The figure below illustrates the virtual mailbox option. For further details, refer to [Creating Virtual Mailboxes](#) on page 114.



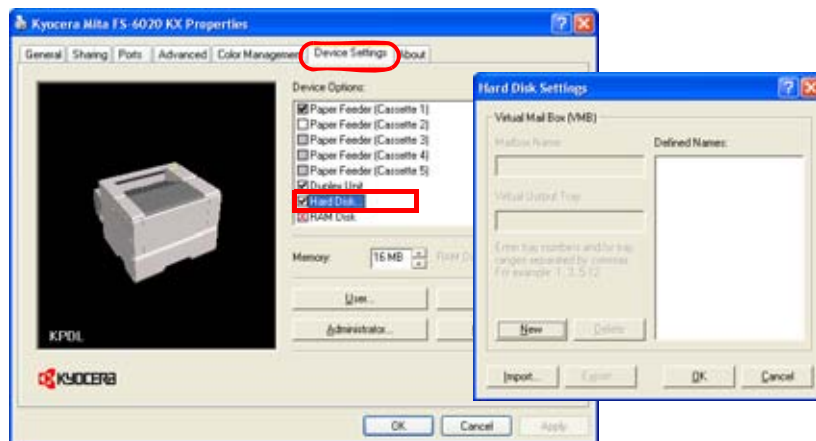
- You can group multiple mailboxes and identify the group with a unique name. You can save jobs into multiple mailboxes, or save it into all the mailboxes at the same time.
- Up to 255 mailboxes can be created. The total mailbox capacity varies depending on the printer model and the size of the hard disk installed. For example, an ECOSYS FS-1800 printer 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 printer's Operation Guide.

The following sections explain how to utilize the virtual mailbox option:

- [Creating Virtual Mailboxes](#)
- [Importing and Exporting the Virtual Mailbox List](#)
- [Saving Jobs in Virtual Mailboxes](#)
- [Printing Virtual Mailbox Job Lists](#)
- [Printing Jobs in Virtual Mailboxes](#)

## Creating Virtual Mailboxes

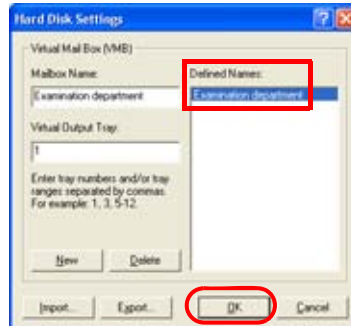
1. Click **Start** in the Windows taskbar, and click **Printers and Faxes** to open the **Printer and Fax** window.
2. Right-click the icon for your printer in the **Printers and Faxes** window. A drop-down list appears.
3. Click **Properties** in the drop-down list. The **Properties** dialog box appears. 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.

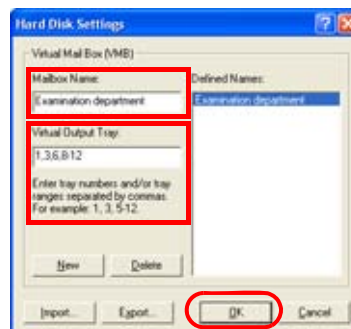


6. The mailbox names appear in the **Defined Names** list at right.



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**.

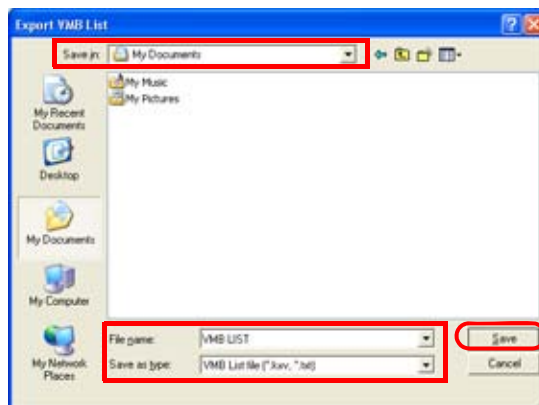
## Importing and Exporting the Virtual Mailbox List

This section explains 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. Once saved, the list can be read by other printer drivers.

1. Follow the instructions in the previous section to display the **Hard Disk Settings** of the printer driver that will be the source of the list. Click the **Export...** button.



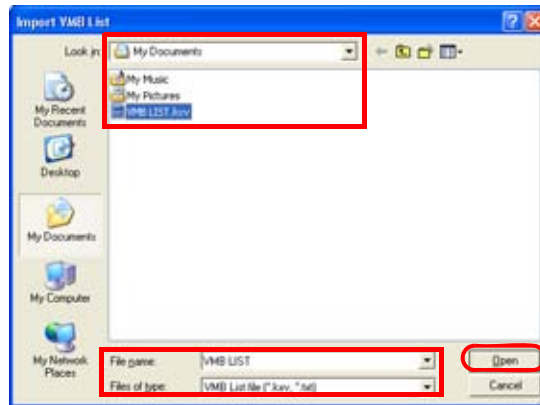
2. The **Export VMB List** dialog box appears. Select save location from the **Save in** drop-down list.
3. Enter a name in the **File name** field and click **Save**. Close the **Properties** dialog box.



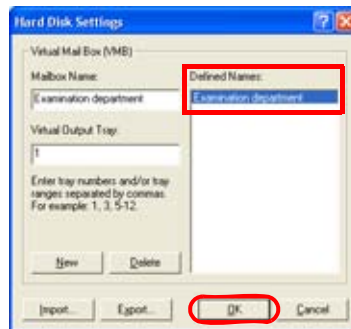
4. Click **Import...** to display the **Hard Disk Settings** of the printer driver that are the destination for the list.



5. The **Import VMB List** dialog box appears. Select the virtual mailbox data file you wish to read from the **Look in** drop-down list.
6. Click the virtual mailbox list name and click **Open**.

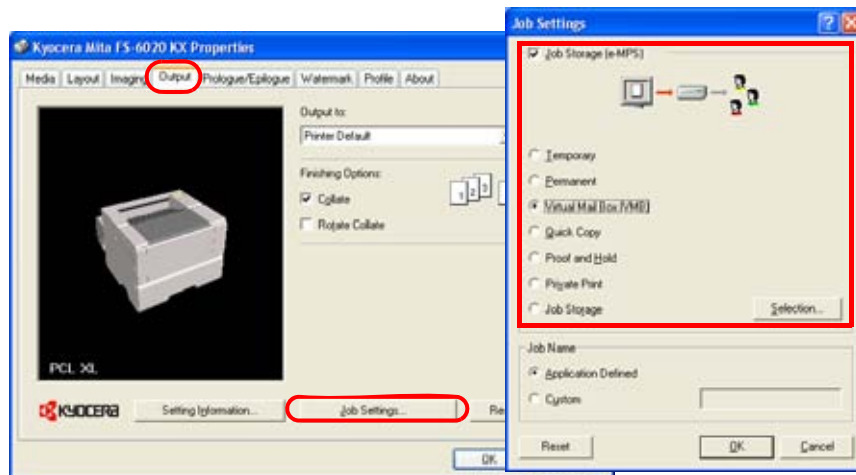


7. The virtual mailbox list is opened and displayed in the **Defined Names** group box. Click **OK** to save the list.



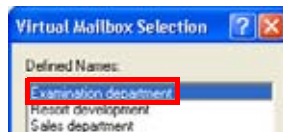
## Saving Jobs in Virtual Mailboxes

1. From the application's **Print** dialog box, access the **Properties**. Select **Print** from the **File** menu and select **Properties**.
2. Open the **Properties** dialog box, and click the **Output** tab.
3. Click the **Job Settings...** button to open the **Job Settings** dialog box.
4. Select the **Job Storage (e-MPS)** check box.
5. Select **Virtual Mail Box VMB** and click **Selection...**



If the **Virtual Mail Box VMB** button is inactive, no virtual mailboxes have been created yet. Click **Cancel** in the screen above, and create a virtual mailbox while referring to [RAM Disk Settings](#) on page 20.

6. The **Virtual Mailbox Selection** dialog box appears. Select the mailboxes for saving the job, and click **OK**.



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, [Printing Virtual Mailbox Job Lists](#) on page 119.
- **Printing saved jobs** -- Refer to [Printing Jobs in Virtual Mailboxes](#) on page 120.













## Printing 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. In addition, you can print a list of jobs saved in virtual mailboxes as a **Virtual Mailbox List**.

The list is printed from the printer operator panel.

1. On the printer operator panel, press the **MENU** key.
2. Press the **▲** or **▼** key repeatedly until **e-MPS >** is displayed.
3. Press the **▶** key to access 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.

KYOCERA mita		Ecosys <sup>®</sup> FS-9100DN Page Printer			
VIRTUAL MAIL BOX LIST					
VMB Job storage size:		total 500 MB	Output (1) or Delete (1)		
		used 3 MB			
		available 497 MB			
Bin No.	Alias	Jobs	Pages	Normal/Shared Size(KB)	GO! (2)
	1 Ralph	1	2	528 / 0	
	2 Stanley	1	4	870 / 0	
	3 Gunther	1	4	870 / 0	
	10 Rudibager	1	1	650 / 0	
	12 Reginald	1	1	650 / 0	

Virtual Mailbox Job List

## Printing Jobs in Virtual Mailboxes

Jobs are printed from the printer's operator panel.

1. On the printer operator panel, press the **MENU** key.
2. Press the ▲ or ▼ key repeatedly until **e-MPS >** appears.
3. Press the ► key to access 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 ▲ or ▼ 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.

## 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 Settings](#) on page 106. 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.

## Printing and Saving Temporary and Permanent Jobs

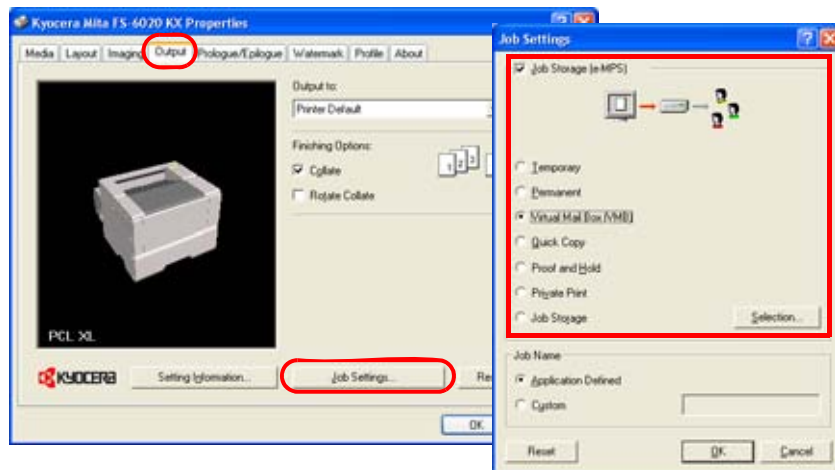


Check that your printer has an optional hard disk installed. For further details on hard disk settings, refer to [RAM Disk Settings](#) on page 20.

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu).
2. Open the **Properties** dialog box, and click the **Output** tab.
3. Click **Job Settings...** to access the **Job Settings** dialog box.
4. Select the **Job Storage (e-MPS)** check box. Select **Temporary** or **Permanent**.
5. When printing a job with a job ID barcode, open the **Barcode Option** dialog box and make the appropriate settings.



For further details, refer to [Using the Barcode Reader to Print Additional Copies of Saved Jobs](#) on page 125.



Click **OK** 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.



To reprint temporary or permanent jobs, the dedicated **KM-NET Job Manager** utility is required. For further details, refer to [Using KM-NET for Clients to Print Saved Jobs Again](#) on page 123.



## Using 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**.



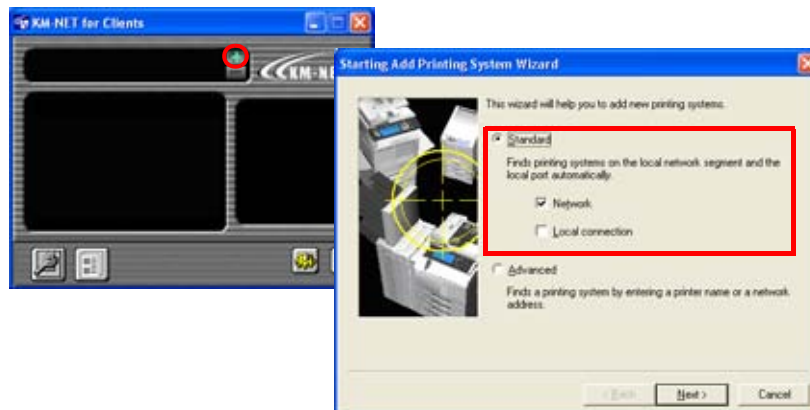
Note

The **KM-NET for Clients** communicates with the printer using TCP/IP protocol. To make a local connection with your computer, the KX printer driver must be installed on it.

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

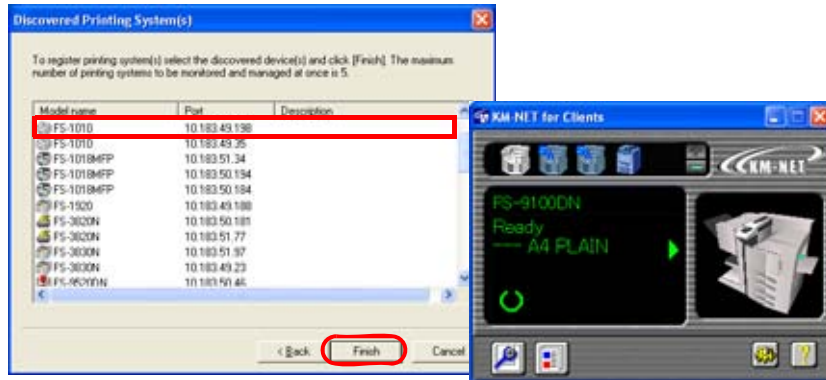
After installation, follow these steps to launch the **KM-NET Job Manager** utility:

2. Click **Start** in the Windows taskbar and **All Programs**.  
**Windows 95/98/Me:** Click **Programs**, **KYOCERA**, and then **KM-NET for Clients**.
3. Click **Add**. Depending on your printer connections, select either the **Local printer** (for **Parallel Connection**) or **Network printer**.



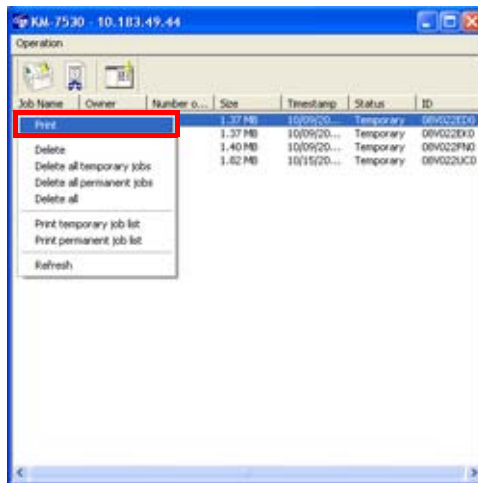
4. Follow the wizard through the **Starting Add Printing System Wizard** dialog box. Available printers are displayed.

5. Select the printer to connect and click **Finish** to return to the main dialog box of the **KM-NET for Clients**.



6. Select the printer icon displayed in the main dialog box and click **Job Manager**. Print jobs saved in the printer are displayed.
7. Right-click on the job name and select **Print** from the drop-down 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.



To delete jobs manually, right-click on the job name and select **Delete** from the drop-down list. For further details, refer to **KM-NET for Clients Operation Guide**.

## Using the Barcode Reader to Print Additional Copies of Saved Jobs

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

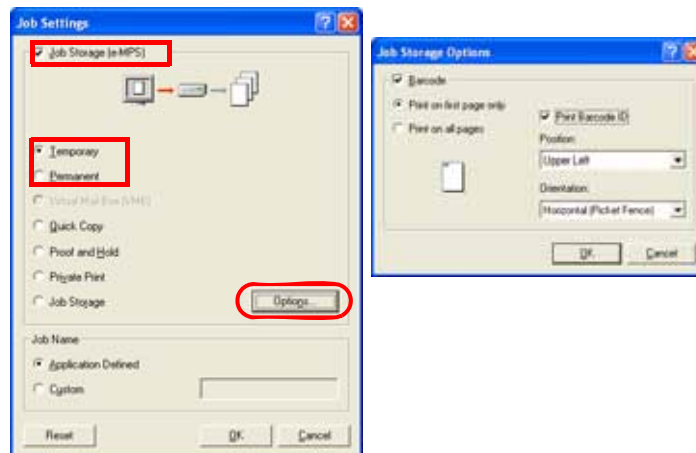
When initially printing a job, follow the steps below to print a barcode representing the job ID on each page or on the cover page only.



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

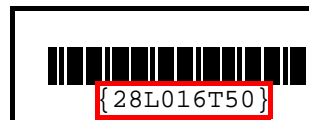
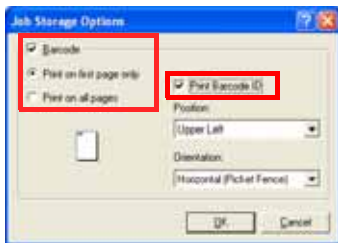
### Printing the Job ID using the barcode reader

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu).
2. Open the **Properties** dialog box, and click the **Output** tab.
3. Click **Job Settings...** to access the **Job Settings** dialog box.
4. Select the **Job Storage (e-MPS)** check box. Select **Temporary** or **Permanent**.
5. Click **Options...** to open the **Job Storage Options** dialog box.

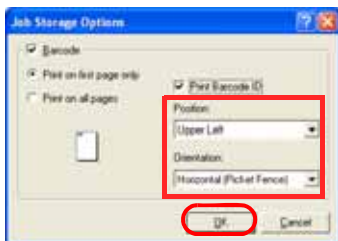


6. Select the **Barcode** check box. Select **Print first page only** or **Print all pages**.

- 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.



- From the **Position** drop-down list, select the barcode position on the page. From the **Orientation** drop-down list, select the direction of the barcode.
- Click **OK**.



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

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

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

### Reading with the Barcode Reader

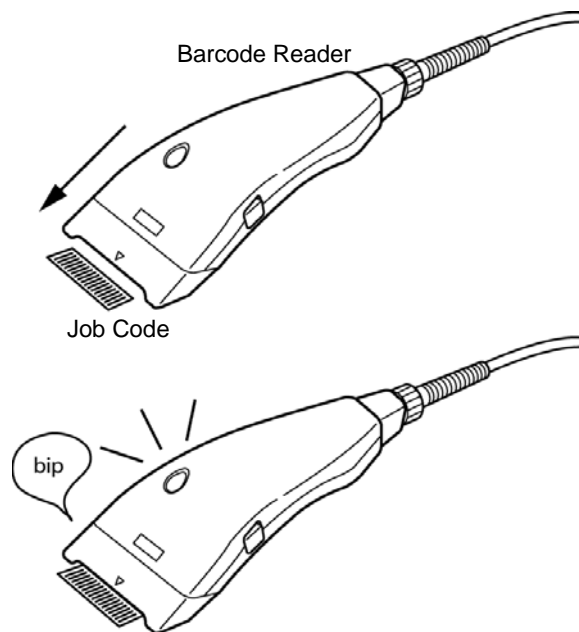
When the printed job ID is read by the barcode reader, the printer outputs that page.

- 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.



Using the Barcode Reader to Read the Job Code

## Saving Profiles

You can save print settings made on the **Media**, **Output** or other tabs in the **Print** dialog box. By creating a profile out of the saved settings, they can be easily recalled, eliminating the need to reset them on the dialog box tabs. Profiles can be easily added, edited, or deleted. Profiles from other printers can also be read.

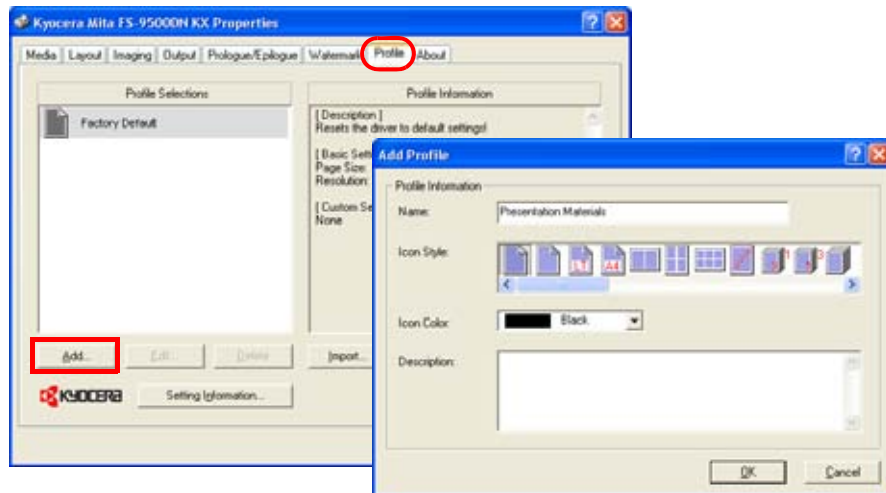


If a shared profile is installed when printer driver option settings are being set, its icon is displayed in the list on the **Profile** tab, and it can be shared by each printer.

### Creating Profiles

Follow these steps to create a new profile.

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Configure the appropriate options on each setting tab.
3. Click the **Profile** tab in the **Properties** dialog box.
4. Click **Add** to access the **Add Profile** dialog box.



5. Enter a **Name** for the **Profile Information**, and select the **Icon Style**. The name can be up to 31 characters.

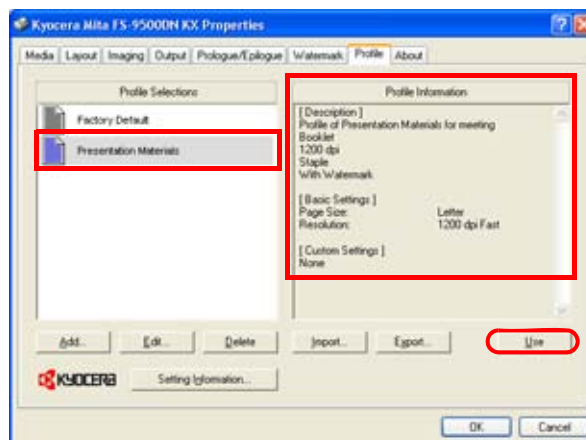
6. Select a color for the **Profile Information** from the **Icon Color** drop-down list. This options enables you to sort icons by color.



7. Enter comments about the settings into the **Profile Information Description** section. Up to 256 characters can be entered for the comments.
8. Click **OK** to save the profile. The display returns to the **Profile** tab.



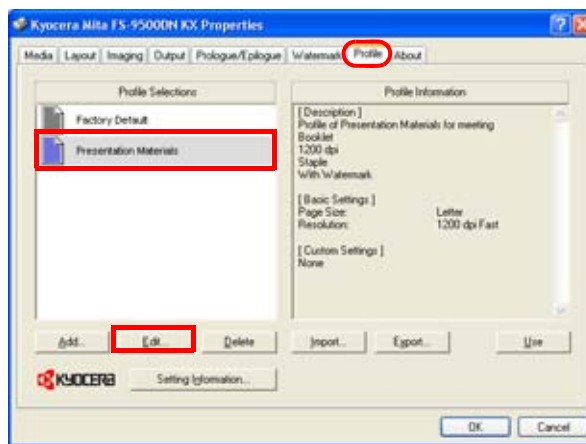
9. The **Profile Selections** displays the icon, and name, and the **Profile Information** displays the settings and comment. Click **Use** to activate the displayed printer settings.



## Editing Profiles

The **Name**, **Icon Style**, **Icon Color**, and **Description** of created and shared profiles can be edited.

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Click the **Profile** tab in the **Properties** dialog box.
3. Select the profile to be edited from the **Profile Selections**, and click **Edit**.



4. The **Edit Profile** dialog box appears. Edit the profile information's **Name**, **Icon Style**, **Icon Color**, and **Description**. For further details, refer to [Creating Profiles](#) on page 128.

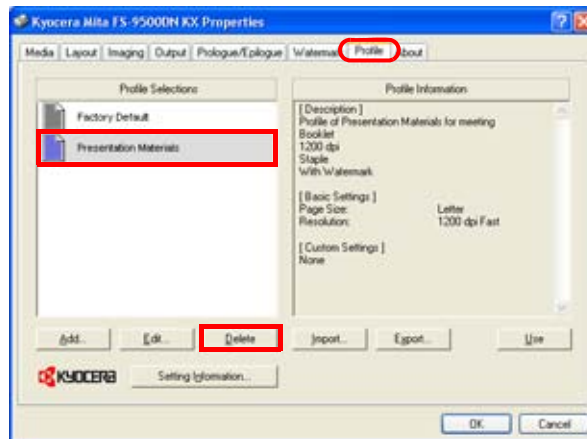


5. Click **OK** to save the edited profile.



## Deleting Profiles

1. From the application's **Print** dialog box, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. Click the **Profile** tab in the **Properties** dialog box. Select the profile to be deleted from the **Profile Selections**, and click **Delete**.



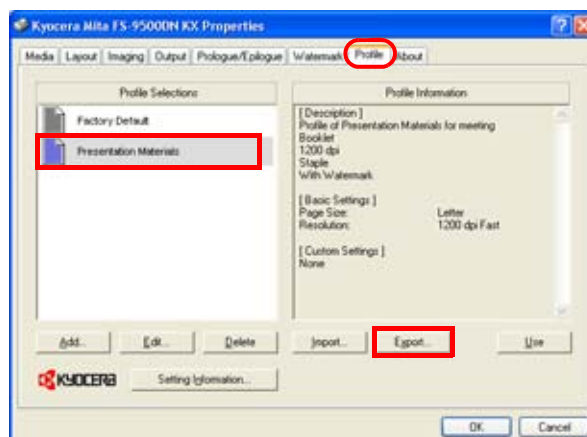
3. Click **OK**.

## Importing and Exporting Profiles

You can save your profile on your personal computer and have it read by other printers. The profiles on several printers can be shared. Print results may vary depending on the printer model.

1. From the application's **Print** menu, access the **Properties**. (Select **Print** from the **File** menu and select **Properties**.)
2. In the source printer driver, click the **Profile** tab in the **Properties** dialog box.
3. Select the profile to be read from the **Profile Selections**, and click **Export...**

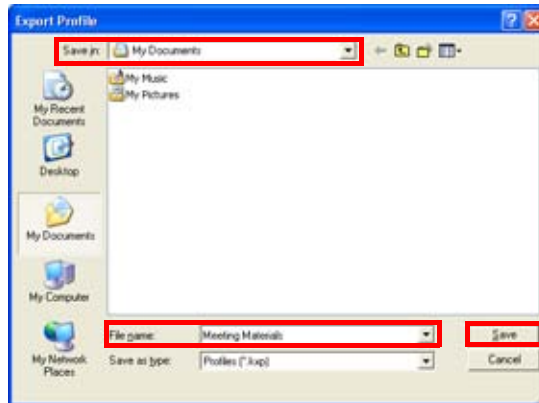
### Read source



4. The **Export Profile** dialog box appears. Save the profile.

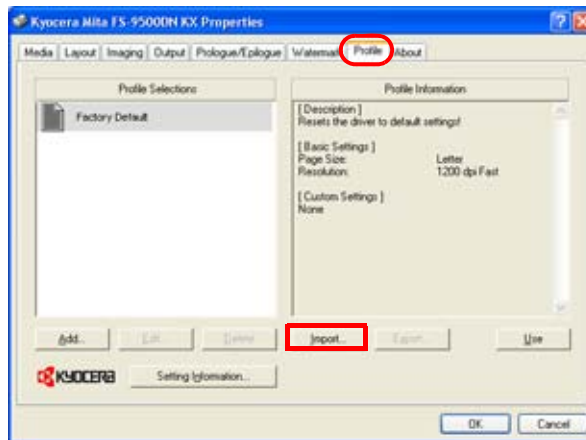
Specify the save location in the **Save in** drop-down list, enter a name for the file in the **File name** field, and click **Save**. Close the **Properties** dialog box.

#### Read source



5. In the destination printer driver, click the **Profile** tab in the **Properties** dialog box. Click **Import....**

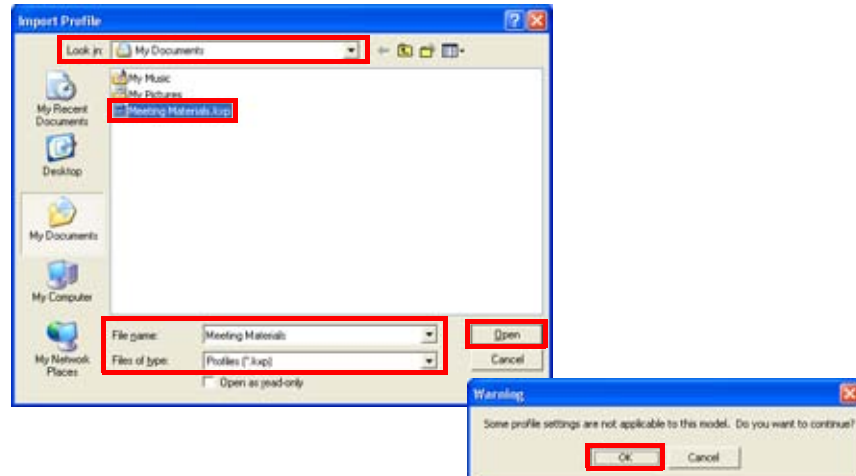
#### Read Destination



6. The **Import Profile** dialog box appears. Select the profile from the **Look in** drop-down list, select the profile name, and then click **Open**.

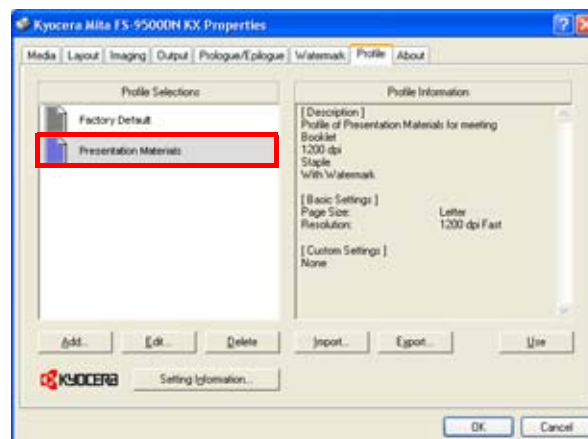
7. If a message dialog box appears displaying “**Some profile settings are not applicable to this model. Do you want to continue?**”, there are unusable functions in this profile. Click **OK** to return to the **Profile** tab.

### Read destination



The profile read by the printer driver displays in the **Profile Selections**, and profile reading is finished.

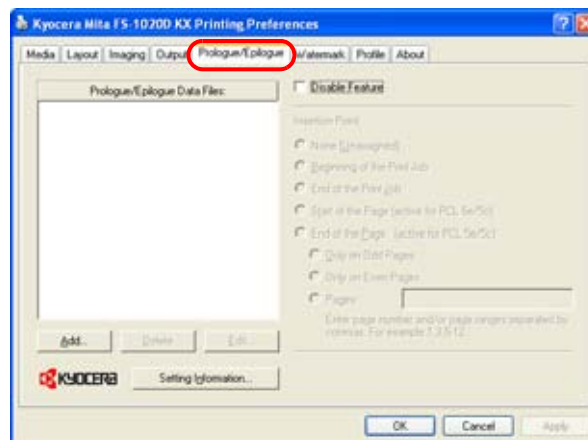
### Read destination



## Prologue/Epilogue

You can configure detailed settings in the **Prologue/Epilogue** tab. For further details, refer to step **8** on page 2. The **Welcome to the Kyocera Printer Installation Wizard** dialog box appears. Click **Next**.

- This function hides the PRESCRIBE command in the document. This allows execution of settings such as printer emulation and foreign characters or overlays.
- **Insert Location** specifies the location for burying the PRESCRIBE command, such as at the start or end of the document.
- The **Page Start** and **Page End** options can be used only when **PCL 5e** or **PCL 5c** are specified for the **PDL** in the **PDL Settings** dialog box. The file box items can also be added, edited, and deleted.

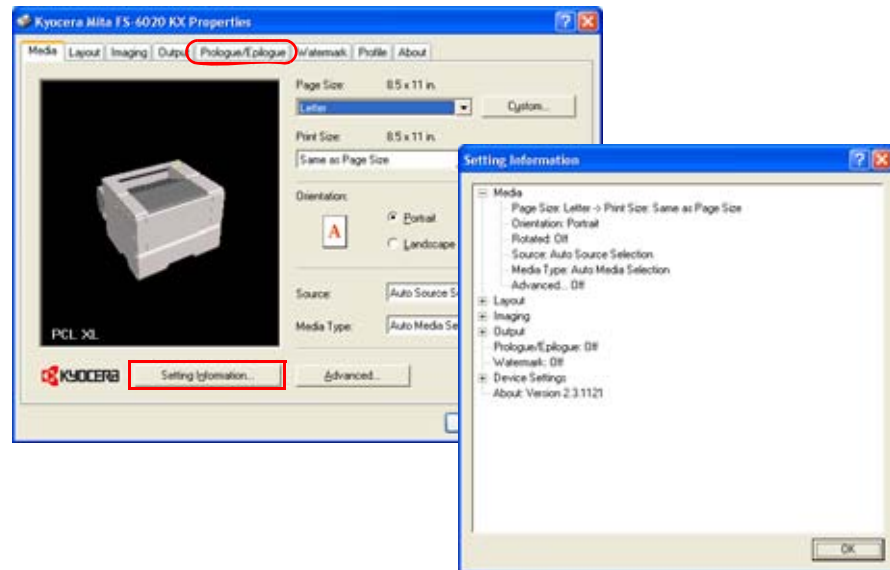


**Setting Information** You can confirm settings made on the **Media, Layout, Imaging, Color, Output, Prologue/Epilogue, Watermark, and Device Settings** tabs.

By simply clicking **Setting Information...** on the **Printing Preferences/Properties** dialog box, current driver settings can be displayed in a tree view.



Displayed settings may vary depending on the PDL.





## Table of Supported Options

### Printers

Model	Enhancement Unit				
	A Paper Feeder B Envelope Feeder	Duplex unit	Document Finisher	A Face-Down Stacker B Offset Stacker C Face-Up Stacker D Sorter Stacker	Document Processor
FS- 1010	A PF-17 x 1				
FS- 1018MFP	A PF-17 x 1				DP-100
FS- 1020D	A PF-17 x 1				
FS- 1050	A PF-17 x 1				
FS- 1118 / KM- 1820	PF-17 x 1	None	None	None	
FS- 1900	A PF-60 x 3 or A PF-8E B EF-60	DU-60		A HS-8E D SO-60	
FS- 1920	A PF-60 x 3 B EF-60	DU-60		D SO-60	
FS- 3820N	A PF-60 x 3 B EF-60	DU-60		D SO-60	
FS- 3830N	A PF-60 x 3 or A PF-8E B EF-60	DU-61		D SO-60	
FS- C5016	A PF-60 x 3 B EF-60	DU-300			
FS- 6020	A PF-400 x 4	DU-400			
FS- 6026	A PF-400 x 4	DU-400			
FS- C8008	A PF-30A x 3	PD-800	DF-31	B ST-30 D SO-60	
FS- C8026N	A PF-640 x 2 A PF-645 x 1 A PF-647 x 1	DU-640			
FS- 9100DN	A PF-70 x 2 A PF-75 x 1	Standard	DF- 70E/70U DF- 71E/71U DF- 75		
FS- 9500DN	A PF-70 x 2 A PF-75 x 1	Standard	DF- 70E/70U DF- 71E/71U DF- 75		
FS-9120DN	A PF-70 x 2 A PF-75 x 1	Standard	DF- 71E/71U DF- 73 DF- 75	D M-2107	
FS- 9520DN	A PF-70 x 2 A PF-75 x 1	Standard	DF- 71E/71U DF- 73 DF- 75	D M-2107	
Ci1100	A PF-81 x 1	DU-81			
FS-1000	A PF-17 x 1				
FS- 1000+	A PF-17 x 1				

Model	Enhancement Unit				
	A Paper Feeder B Envelope Feeder	Duplex unit	Document Finisher	A Face-Down Stacker B Offset Stacker C Face-Up Stacker D Sorter Stacker	Document Processor
FS- 1200	A PF-20/21 x 2 A PF-7E x 1	DU-21		A ST-20 C HS-3E D SO-6	
FS- 1700+	A PF-20 x 2 or A PF-7E x 1 B EF-1	DU-20		A ST-20 C HS-3E D SO-6	
FS- 1714M	A PF-21 x 2 or A PF-7E x 1 B EF-1	DU-21		A ST-20 C HS-3E D SO-6	
FS- 1750	A PF-21 x 2 or A PF-7E x 1 B EF-1	DU-21		A ST-20 C HS-3E D SO-6	
FS- 1800	A PF-60 x 3 or A PF-8E B EF-60	DU-60		A HS-8E D SO-60	
FS- 1800+	A PF-60 x 3 or A PF-8E B EF-60	DU-60		A HS-8E D SO-60	
FS- 3700+	A PF-20 x 2 or A PF-7E x 1 B EF-1	DU-20		A ST-20 C HS-3E D SO-6	
FS- 3718M	A PF-21 x 2 or A PF-7E x 1 B EF-1	DU-20/21		A ST-20 C HS-3E D SO-6	
FS- 3750	A PF-21 x 2 or A PF-7E x 1 B EF-1	DU-20/21		A ST-20 C HS-3E D SO-6	
FS- 3800	A PF-60 x 3 or A PF-8E B EF-60	DU-60		A HS-8E D SO-60	
FS- 5900C	A PF-81 x 1	DU-81			
FS- 6750	A PF-26 x 2	DU-25			
FS- 6900	A PF-26 x 2	DU-25			
FS- 7000+	A PF-30 x 3 B EF-1/UF-1	DU-30/31	DF-30/31	B ST-30 D SO-30	
FS- 7028M	A PF-30 x 3 B EF-1/UF-1	DU-30/31	DF-30/31	B ST-30 D SO-30	
FS- 8000C	A PF-30A x 3	PD-30	DF-31	B ST-30 D SO-30	
FS- 9000	A PF-30 x 3 B EF-1	DU-31	DF-31	B ST-30 D SO-30	



## Copier/MFP

Model	Enhancement Unit				
	A Paper Feeder B Optional Feeder	Duplex Unit	Job Separator	A Inner Finisher B Finisher C Booklet Stitcher D Mailbox Unit	Tandem Unit
KM-1510	A ST-13 x 1 B ST-13 x 1				
KM-1530	A ST-12 x 1 B ST-12 x 3		J-1302		
KM-1810	A ST-13 x 1 B ST-13 x 1				
KM-1815	A PF-17 x 1				
KM-2030	A ST-12 x 2 B ST-12 x 2	AD-62	J-1302	A F-2205	
KM-2530	A PF-70 x 2 B PF-70 x 2 or B PF-75	AD-63	J-1402	A DF-78 B DF-71 C DF-75 D M-2107	
KM-C2630/ C2630D	A PF-640 x 1 B PF-640 x 2 B PF-645 x 1 B PF-647 x 1			B DF-600 B DF-610 D MT-1 (Multi Tray)	
KM-3035	A PF-70 x 2 B PF-70 x 2 or B PF-75	Standard	J-1402	A DF-78 B DF-71 B DF-73 C DF-75 D M-2107	
KM-3530	A PF-70 x 2 B PF-70 x 2 or B PF-75	AD-63	J-1402	A DF-78 B DF-71 C DF-75 D M-2107	
KM-4030	A PF-70 x 2 B PF-70 x 2 or B PF-75	AD-63	J-1402	A DF-78 B DF-71 C DF-75 D M-2107	
KM-4230	A MD-10 x 2 B MD-10 x 2 B ST-8	Standard		B F-4130/4330 C F-4220	
KM-4035	A PF-70 x 2 B PF-70 x 2 or B PF-75	Standard	J-1402	A DF-78 B DF-71 B DF-73 C DF-75 D M-2107	
KM-4530	A Standard	Standard		B DF-600 B DF-610 B BF-1 D MT-1 (Multi Tray)	TS-1
KM-5035	A PF-70 x 2 B PF-70 x 2 or B PF-75	Standard	J-1402	A DF-78 B DF-71 B DF-73 C DF-75 D M-2107	

Model	Enhancement Unit				
	A Paper Feeder B Optional Feeder	Duplex Unit	Job Separator	A Inner Finisher B Finisher C Booklet Stitcher D Mailbox Unit	Tandem Unit
KM-5230	A MD-10 x 2 A ST-8	Standard		B F-4130/4330 C F-4220	
KM-5530	A Standard B ST-11	Standard		B DF-610 B BF-1 D MT-1 (Multi Tray)	TS-1
KM-6230	A MD-10 x 2 A ST-8 B ST-11	Standard		B F-4130/4330 C F-4220 D M-2107	TS-1
KM-6330	A MD-10 x 2 A ST-8 B ST-11	Standard		B DF-610 B BF-1 D MT-1 (Multi Tray)	TS-1
KM-7530	A MD-10 x 2 A ST-8 B ST-11	Standard		B DF-610 B BF-1 D MT-1 (Multi Tray)	TS-1
KM-C830	A PF-30A B PF-30A	PD-30		B DF-35	
KM-C850	A PF-30A B PF-30A	PD-30		B DF-35	

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