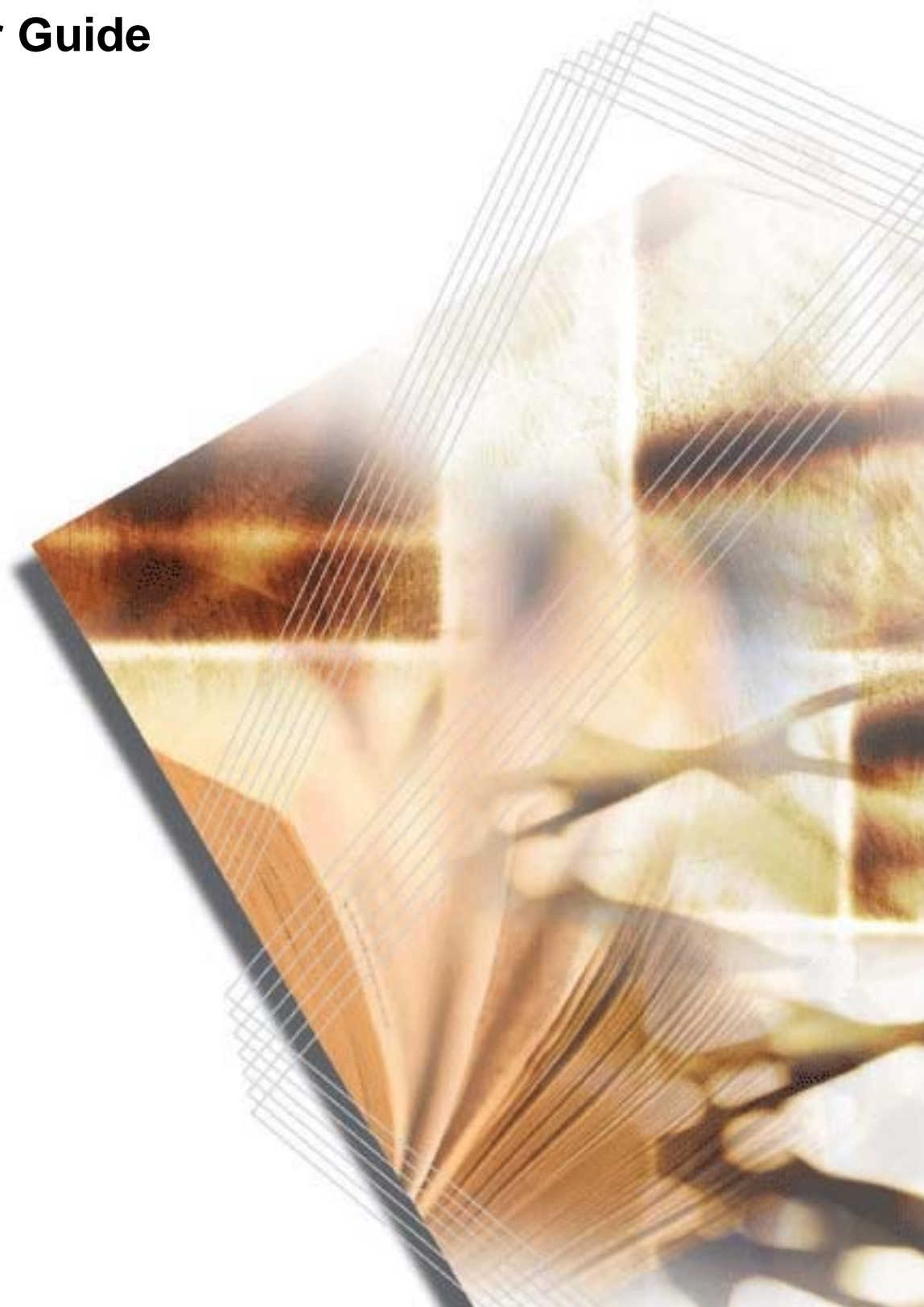


KX Driver User Guide



Legal Notes

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

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

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

Regarding Trademarks

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

Examples of the operations given in this guide support the Microsoft Windows XP printing environment. Essentially the same operations are used for Microsoft Windows 2000, Windows Server 2003, and Windows Vista environments.

Models supported by the KX printer driver

KM-1820
FS-1118MFP
CS-1820

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

Copyright © 2008 KYOCERA Corporation
Copyright © 2008 Revised Edition KYOCERA MITA Corporation
All rights reserved.
TC Rev. 6.5

Table of Contents

Chapter 1 Installation

Express Installation	1-2
Windows XP and Vista	1-2
Custom Installation.	1-3
Windows XP - USB	1-3
Windows XP - Parallel Port (LPT)	1-3
Windows XP - Network Connection	1-4
Windows Vista - USB or Parallel Port (LPT)	1-4
Windows Vista - Network Connection	1-5
Installing Optional Components	1-6
Product Library CD	1-7
Windows XP/2000 Add Printer Wizard	1-7
Windows Vista Add Printer Wizard	1-8

Chapter 2 Printer Properties

Accessing Printer Properties	2-1
Installing Optional Devices.	2-1
Auto Configure	2-2
Device Options	2-3
Administrator Settings	2-3
User Login	2-3
Job Accounting	2-5
Administrator Password	2-6
User Settings	2-7
Identification	2-7
Units	2-7
Language Preference	2-7
Page Description Language (PDL)	2-8
PDL Settings	2-8
Compatibility Settings.	2-10
About	2-11
Version	2-11
Plug-in	2-12

Chapter 3 Printing Basics

Basic Printing Tasks.	3-1
Basic Printing	3-1
Printing on Paper of Non-Standard Sizes	3-4
Custom Paper Sizes	3-4

Manual Duplex Printing	3-5
Collate	3-6

Chapter 4 Layout

Multiple Pages Per Sheet.	4-1
Poster.	4-2
Sheets Per Page	4-2
Available Poster Sizes	4-2
Scaling	4-3
Gutter	4-3

Chapter 5 Imaging

Print Quality	5-1
Custom Print Quality Settings	5-2
Fonts	5-2
Font Substitution	5-4
Disable Device Fonts	5-4
Graphics.	5-4
Pattern Scaling	5-5
Inversion Options	5-5
Optimization	5-5
Halftone Screen	5-6
Grayscale	5-7

Chapter 6 Publishing

Printing with Covers	6-1
Cover Printing Options	6-2
Edit Cover Printing Options	6-3
Page Insert.	6-3
Insert Page Printing	6-3
Combinations	6-4
Transparency Interleaving	6-5

Chapter 7 Advanced

Prologue/Epilogue	7-1
Select Prologue/Epilogue File to Insert	7-2
Add	7-2
Edit	7-2
Delete	7-2
Insertion Point	7-3
Watermark	7-4
Select Watermark	7-4
Page selection	7-4
Add Watermark	7-5
Additional Text Options	7-5
Edit Watermark	7-7
Delete Watermark	7-7
Security Watermark	7-7
Select Security Watermark	7-9
Page Selection	7-9
Add Security Watermark	7-10
Additional Options	7-11

Edit Security Watermark	7-13
Delete Security Watermark	7-13
Enable Client Profile.	7-13
EMF Spooling.	7-13

Chapter 8 Profile

Add Profile	8-1
Edit Profile	8-2
Delete Profile	8-3
Import and Export Profile	8-3

Glossary

Index

1 Installation

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

Note: In Windows XP, Windows Vista, and Windows 2000, you must be logged in with administrator rights to install the KX Driver. If you connect the Universal Serial Bus (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 Turn off the power for the computer and printer.
- 2 Ensure that the printer is ready to print (remove packing materials, insert paper and any toner or ink cartridges), 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 Windows **Found New Hardware Wizard** appears, click **Cancel**.

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

After the installation program starts the **Main Menu** appears.

Note: If the **Product Library Software Installation Wizard** fails to start after inserting the CD-ROM into the CD drive, explore the CD drive, and double-click **Setup.exe**.

- 5 Click **View License Agreement** to read the license agreement.

- 6 Click **Accept** to proceed.

- 7 To begin installation, click **Install Software**.

- 8 The Software Installation Wizard appears. Click **Next**.

The installation differs depending on your operating system and connection method. Select your operating system and connection method from the list below and proceed to the referenced page to continue the installation.

Express Installation

[Windows XP and Vista](#) on page 1-2

Custom Installation

[Windows XP - USB](#) on page 1-3

[Windows XP - Parallel Port \(LPT\)](#) on page 1-3

[Windows XP - Network Connection](#) on page 1-4

[Windows Vista - USB or Parallel Port \(LPT\)](#) on page 1-4

[Windows Vista - Network Connection](#) on page 1-5

Note: KPrint installs a client port monitor that enables Windows TCP/IP printing to any network card connected to Kyocera printing systems. KPrint supports LPR and IPP printing. For the **KPrint Installation** instructions, refer to your CD. KPrint is now a standalone installer.

Express Installation

Express mode applies to a Universal Serial Bus (USB) or a network connection only. The installer finds the printer if it is turned on and connected by USB or network cable. The Kyocera Scanner Driver (TWAIN) is installed automatically in Express Mode. For the simple, default installation, select **Express Mode**.

Note: During any point in the installation process, if the **Windows Security** warning dialog box appears, click **Install this driver software anyway**.

In the **Custom Mode**, you are able to choose which software packages to install and specify the port. To use the Custom method, see [Custom Installation](#) on page 1-3.

Note: In Windows Vista, the Kyocera Scanner Driver and WIA driver are installed with the printer driver.

Windows XP and Vista

In Windows Vista, the installation dialog boxes have a slightly different appearance, but the steps are the same.

- 1 For the simple, default connection select **Express Mode** and then click **Next**.

The **Discover Printing System** page opens and looks for your printer. If Discovery does not find your printing system, ensure that it is properly connected by USB or network cable and that it is turned on, and then retry Discovery.

- 2 At the **Discover Printing System** page, select the printing system you would like to install and click **Next**.

Note: If the **Found New Hardware Wizard** appears, click **Cancel**. If the **Hardware Installation** warning dialog box appears, click **Continue Anyway**.

- 3 In **Printer Settings**, you can assign a name to the printing system. This is the name that appears in Windows **Printers and Faxes** and in the printer lists in applications.

Note: If your printer is connected locally, **Printer Settings** does not appear, skip to *step 4*.

You can also choose to share this printer with others or set this printer as the default printer. Make your selection from the following choices, and then click **Next**.

- Share your printers with others
- Set the printer system as the default

- 4 In the **Confirm Settings** page, click **Install** if the settings are correct. Click **Back** to correct the settings.

- 5 The **Installation Wizard** page appears with this message: *Installation Completed*. Click **Finish** to exit the Printer Installation Wizard and return to the CD-ROM main menu.

The installation of the printer is now complete. If prompted, restart your system.

Custom Installation

When using the Custom method you can specify the printer port and choose which software packages to install.

Note: During any point in the installation process, if the **Windows Security** warning dialog box appears, click **Install this driver software anyway**.

Windows XP - USB

- 1 Ensure that your printer and computer are connected using the Universal Serial Bus (USB) cable.
- 2 In the **Installation Method** page, select **Custom Mode > Driver**. If you also want to install fonts, select **Utilities**.
- 3 In the **Connection Type** page, select **Universal Serial Bus (USB)**, and then click **Next**.
- 4 The **Printing System** page appears in certain conditions, for example, when the installer cannot detect the USB connection. From the list, select the printing system to install. Click **Next**.
- 5 In the **Custom Installation** page, ensure that the KX Driver is selected as the product and then click **Next**. If you intend to use the scanner, also ensure that the scanner driver is selected.
- 6 In the **Confirm Settings** page, click **Install** if the settings are correct. Click **Back** to correct the settings.

Note: If the **Found New Hardware Wizard** appears, click **Cancel**. If the **Hardware Installation** warning dialog box appears, click **Continue Anyway**.

The installation of the printer is now complete. If prompted, restart your system.

Windows XP - Parallel Port (LPT)

- 1 In the **Installation Method** page, select **Custom Mode > Driver**. If you also want to install fonts, select **Utilities**.
- 2 In the **Connection Type** page select **Parallel Port (LPT)**, then click **Next**.
- 3 The **Printing System** page appears. From the list, select the printing system to install, and then click **Next**.
- 4 In the **Custom Installation** page, ensure that the KX Driver is selected as the product and then click **Next**.

- 5 In **Printer Settings** you can assign a name to the printing system. This is the name that appears in Windows Printers and Faxes and in the printer lists in applications. Here you can also choose to share this printer with others or set this printer as the default printer. Make your selections and then click **Next**.
- 6 In the **Printer Port** page, select a port, and then click **Next**.
- 7 In the **Confirm Settings** page, click **Install** if the settings are correct. Click **Back** to correct the settings.
- 8 The **Installation Wizard** page appears with this message: *Installation Completed*. Click **Finish** to exit the Printer Installation Wizard and return to the CD-ROM main menu.

The installation of the printer is now complete. If prompted, restart your system.

Windows XP - Network Connection

- 1 In the **Installation Method** page, select **Custom Mode > Driver**. If you also want to install fonts, select **Utilities**.
- 2 In the **Connection Type** page, select **Network connection** and then click **Next**.
- 3 In the **Network Port Type** page select a port type. Select **Standard TCP/IP Port**. If you select Standard TCP/IP port, the installer automatically creates a new port if needed.
- 4 In the **Printing System** page, select the model and then click **Next**.
- 5 In **Custom Installation**, select the software packages you want to install, and clear those not intended for installation. Click **Next**.
- 6 In **Printer Settings**, you can assign a name for the printing system. This name appears in Windows **Printers and Faxes** and in the printer lists in applications. You can also choose to share this printer with others or set this printer as the default printer. Make your selections and then click **Next**.
- 7 In the **Standard TCP/IP Port** dialog box, you can select **Discover** or **Host name or IP address**.

Discover searches the network for the printer. After it is found select the printer and then click **Next**. To use **Host name or IP address** type the IP address or host name and then click **Next**.
- 8 In the **Confirm Settings** page, click **Install** if the settings are correct. Click **Back** to correct the settings.
- 9 The **Installation Wizard** page appears with this message: *Installation Completed*. Click **Finish** to exit the Printer Installation Wizard and return to the CD-ROM main menu.

The installation of the printer is now complete. If prompted, restart your system.

Windows Vista - USB or Parallel Port (LPT)

- 1 Ensure that your printing system is connected using a Universal Serial Bus (USB) cable, or a parallel cable.

- 2 In the **Custom Installation** page, ensure that the KX Driver is selected as the product. If you intend to use the scanner, also check that the scanner driver is selected. To install fonts or utilities, click the **Utility** tab, and select from the options there. When you are finished selecting items for installation, click **Next**.

- 3 The **Discover Printing System** page appears.

Select your printing system from the list, which should show a **Type** of *USB* for a USB cable, or *LPT* (local port) for a parallel cable. Click **Next**, then go to [step 7](#).

If Discovery does not find your printing system, a message box appears. Ensure that your printer is properly connected by the correct cable and is powered on, and then close the message box and retry Discovery.

- OR -

To manually select your printing system and port, select **Custom select**, and then click **Next**.

- 4 In the **Printer Port** page, select the port connected to your printing system.

- For a USB connection, the **Port Name** should begin with *USB*, and the **Description** should read *Virtual printer port for USB*.
- For a parallel connection, the **Port Name** should begin with *LPT*, and the **Description** should read *Local Port*.

Click **Next**.

- 5 The **Printing System** page appears. From the list, select the printing system to install, and then click **Next**. For a USB connection, go to [step 7](#). For a LPT connection, go to [step 6](#).

- 6 In **Printer Settings**, you can assign a name to the printing system. This name appears in **Windows Printers and Faxes** and in printer lists in applications. Here you can also choose to share this printer with others, or set this printer as the default printer. Make your selections, and then click **Next**.

- 7 In the **Confirm Settings** page, click **Install** if the settings are correct. If settings are not correct, click **Cancel** and restart the installation.

The **Installation Wizard** page appears with this message: *Installation Completed*. Select **Print a test page** if you want to verify that the printing system is printing correctly. Click **Finish** to exit the Printer Installation Wizard and return to the CD-ROM main menu.

The installation of the printer is now complete. If prompted, restart your system.

Windows Vista - Network Connection

- 1 Ensure that the printing system is powered on and connected to the network. In the **Installation Method** page, select **Custom Installation**. Click **Next**.
- 2 In the **Custom Installation** page, ensure that the KX Driver is selected as the product. To install fonts or utilities, click the **Utility** tab, and select from the options there. When you are finished selecting items for installation, click **Next**.
- 3 The **Discover Printing System** page appears.

To find a printing system already turned on and connected to the network, click **Discover**, select the printing system, and go to [step 8](#).

If Discovery does not find your printing system, a message box appears. Ensure that your printer is properly connected by the network cable and that it is powered on, and then close the message box and retry Discovery.

- OR -

To manually select your printing system and port, select **Custom select**. Click **Next**.

- 4 The **Printer Port** page appears. If the port you want to use appears in the **Port name** list, select it and click **Next**, then go to [step 8](#).

To create a new port, click **Add Port**, and then click **Next**. The **Add Port Wizard** page appears.

- 5 Type the printer name or IP address, and then click **Next**. The wizard automatically attempts to detect the TCP/IP port. If it cannot detect the port, the **Additional Port Information Required** page appears. Click **Back** to correct the IP address, or, if you are sure the address is correct, select an **Address Type**. Click **Finish**.
- 6 After the port has been created, the **Completing the Add Standard TCP/IP Printer Port Wizard** page appears. Click **Finish** to close the **Add Port Wizard** page and return to the installation wizard.
- 7 The installation program **Printing System** page appears. From the list, select the **Printing System** to install, and click **Next**.
- 8 In **Printer Settings**, you can assign a name to the printing system. This is the name that appears in Windows **Printers and Faxes** and in the printer lists in applications. You can also choose to share this printer with others or set this printer as the default printer. Make your selections, and then click **Next**.
- 9 In the **Confirm Settings** page, click **Install** if the settings are correct. If settings are not correct, click **Cancel** and restart the installation.
- 10 The **Installation Wizard** page appears with this message: *Installation Completed*. Select **Print a test page** if you want to verify that the printing system is printing correctly. Click **Finish** to exit the Printer Installation Wizard and return to the CD-ROM main menu.

The installation of the printer is now complete. If prompted, restart your system.

Installing Optional Components

You can expand the functions of your printer driver by installing optional components, in the form of a plug-in that complement the ways in which you use your printer. A **plug-in** is a small computer program that interacts with a larger program to provide additional functionality. Available components may include Common profiles and Plug-ins.

- 1 In the CD Main Menu, select **Advanced Tools**.
- 2 On the **Advanced Tools** page, select **Optional Printer Components**.
- 3 The **Optional Components Wizard** dialog box appears. Click **Next** to install optional components or **Cancel** to close the wizard.

- 4 The **Select Printer** page appears. From the list, select the machine you want to install and click **Next**.
- 5 The **Select Components** page appears. Select the components to install, and click **Next**.
- 6 In any **Select** pages that appear make your selections and click **Next**.
- 7 In the **Confirm Settings** page, click **Install** if the settings are correct. Click **Back** to correct the settings.
- 8 The **Printer Components Installation Completed** page appears. Click **Finish**.

When you have completed installing printers and optional components, if prompted, restart your system.

Product Library CD

Selections in the Product Library include **Install Software**, **Remove Software**, **Advanced Tools**, **Documentation**, **Software Release Notes** and **Select Language**. Remove software provides a tool to eliminate the KX driver from your computer. The software release notes provide information about the contents of the CD-ROM, and known driver and hardware issues.

Click **Documentation** to view a list of available manuals.

You can select your interface language from the language menu. The Product Library menus use the selected language.

Windows XP/2000 Add Printer Wizard

This section describes how to install a printer driver using the **Add Printer Wizard** in Windows XP or Windows 2000.

Note: During any point in the installation process, if the **Windows Security** warning dialog box appears, click **Install this driver software anyway**.

- 1 Click **Start** in the Windows taskbar, and click **Printers and Faxes** to open the **Printers and Faxes** window.
- 2 Click **Add printer** in the window area on the left.

Note: The **Add Printer Wizard** can also be launched by clicking **Add printer** in the **File** menu of the **Printers and Faxes** window.

- 3 The **Add Printer Wizard** appears. The wizard provides you with step-by-step driver installation instructions. Follow the instructions on each page and then click **Next** to proceed to the next page.

Note: If the **Found New Hardware Wizard** page appears, click **Cancel**. If the **Hardware Installation** warning dialog box appears, click **Continue Anyway**.

- 4 When the **Completing the Add Printer Wizard** page appears, installation of the printer driver is now complete. To close the Add Printer Wizard, click **Finish**. If prompted, restart your system.

Windows Vista Add Printer Wizard

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

Note: During any point in the installation process, if the **Windows Security** warning dialog box appears, click **Install this driver software anyway**.

- 1 Click the **Start** icon in the Windows taskbar at the bottom of the screen. In the **Start** window click **Control Panel**. In the Control Panel window under the **Hardware and Sound** category, click **Printer**.
- 2 In the toolbar at the top of the **Printers** window, click **Add a printer**.
- 3 The **Add Printer Wizard** appears. The wizard provides you with step-by-step driver installation instructions. Click either **Add a local printer** or **Add a network, wireless or Bluetooth printer**. Follow the instructions on each page and then click **Next** to proceed to the next page.
- 4 The last page of the wizard appears with a message that you've successfully added the printer you selected. Installation of the printer driver is now complete. Click **Print a test page** if you want to produce sample print output from the newly installed printer. To close the Add Printer Wizard, click **Finish**.

2 Printer Properties

This chapter contains the following sections:

- [Accessing Printer Properties](#)
- [Installing Optional Devices](#)
- [Administrator Settings](#)
- [User Settings](#)
- [Page Description Language \(PDL\)](#)
- [Compatibility Settings](#)
- [About](#)

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

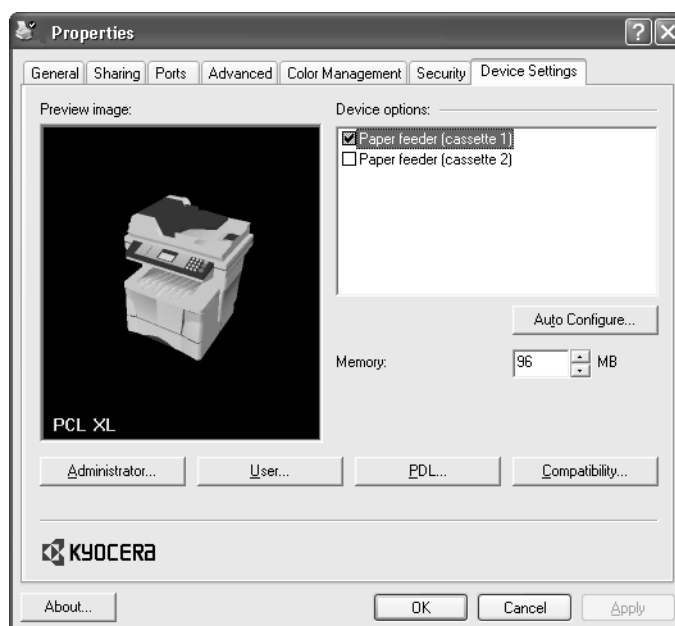
Accessing Printer Properties

- 1 Click **Start** in the Quick Launch toolbar and click **Settings > Printers and Faxes**. The **Printers and Faxes** window appears.
- 2 Right-click the printer icon in the **Printers and Faxes** window.
- 3 Click **Properties** in the list. The **Properties** dialog box appears.
- 4 Click the **Device Settings** tab.

Installing Optional Devices

In the **Device Settings** tab, for each optional device installed in your printing system, select the equivalent setting under the **Device Options** list.

For models connected to a network, the **Auto Configure** button can be used to detect all available devices. See [Auto Configure](#) for more information. You can also specify the memory setting, PDL (Page Description Language), settings for the user, and more.



Auto Configure

Auto Configure detects the installed device options on the printing system if it is connected over a network. This button appears in the **Device Settings > Properties** tab.

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

Note: Not all installed devices are detected by using Auto Configure. Before selecting **OK** in the **Device Settings** tab, check the settings to make sure they are correct.

To use this feature, click **Auto Configure**. An *in progress* message appears, saying *Communicating with the printer to obtain setting information. Please wait a moment.*

The check box settings in the **Device options** list are changed and the Preview image is updated according to the device options installed. Memory information also changes based on the setting information returned.

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

- The printing system is powered off or is in the middle of the startup process. In such cases, Auto Configure displays the following message after the time out: *Please verify that the printer is powered on and ready to print.*
- The Windows XP firewall prevents the communication. It opens a Windows Security Alert dialog box with this message: *Do you want to keep blocking this program? (Keep Blocking, Unblock, Ask me Later).*

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

When the Windows Security Alert dialog box appears, click **Unblock** to allow communication between the printing system and your computer.

When you click **Unblock**, Auto Configure is added to the **Windows Firewall > Exceptions > Programs and Services** list. The Windows Firewall is accessed through the Control Panel.

Auto Configure currently supports only TCP/IP ports for Microsoft Windows 2000, XP and Vista operating systems.

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

Device Options

- 1 Under **Device options** in the **Device Settings** tab, select the check boxes for devices installed in your printing system.
- 2 In the **Memory** box, select the memory capacity of your printing system. This setting is required to optimize the downloading of printing system fonts.

If you don't know the memory capacity of your printing system, you can use Auto Configure so the information can be automatically selected. If Auto Configure is not available, then printing system memory can be seen on the status page. To generate a status page, select this option from operation panel. See [Auto Configure](#) on page 2-2 for more information.

Administrator Settings

The following settings can be specified by selecting **Administrator** in the **Device Settings** tab.

- [User Login](#)
- [Job Accounting](#)
- [Administrator Password](#)

User Login

Use **User Login** to add users with a user name and password. Use this feature to limit printing privileges to specified users, for secure printing and job accounting. The number of pages/job printed by each user can be tracked by the printer. See your printing system's *Operation Manual* for information about tracking usage at the printer.

User login provides job restriction by user, in contrast to the Job accounting feature, which assigns privileges by division or department. A maximum of 1000 login user names and passwords can be registered at the printing system. One hundred user names and passwords can be stored in the printer driver.

Note: Job accounting and User login cannot be used at the same time.

Users added in the printer driver should also be manually registered at the printing system's operation panel.



The settings selected here are applied to every print job sent from this computer. The available options are as follows:

- **Use specific login user name**
Select this option and type a user name and password to use the same user login for every print job. If this option is selected, the user does not have to type the name and password for each print job.
- **Prompt for login user name**
When a user prints a document, the driver prompts you for a user name and password. You can use a Login User Name that is not on the list, and it does not be added to the list. When sending a print job, type a Login User Name and password when prompted, then click **OK** to print.
- **Prompt for login user name and validate**
Whenever a user sends a job to print, the driver prompts for user name and password. For the job to print, the user name and password entered must be on the **Login User Name List** (see [Add Login User Names](#) on page 2-4).
You can use the Login User Names entered in the **Login User Name List** of the driver. When sending a print job, type a Login User Name and password when prompted, then click **OK** to print. This option ensures that the job prints only when the selected Login User Name is saved in the driver.
- **Verify the printing system's login user for each user (PC)**
When this option is selected, the driver asks for a Login User Name and password the first time the a job is sent to the printer. The Login User Name must be one that is not yet registered on the **Login User Name List**.
The name entered is added to the list, and thereafter the printer driver does not prompt for a user name and password.

Add Login User Names

- 1** In the **Administrator Settings** dialog box, select **User login**.
- 2** Click **Login User Name List**.
- 3** Click **Add**.

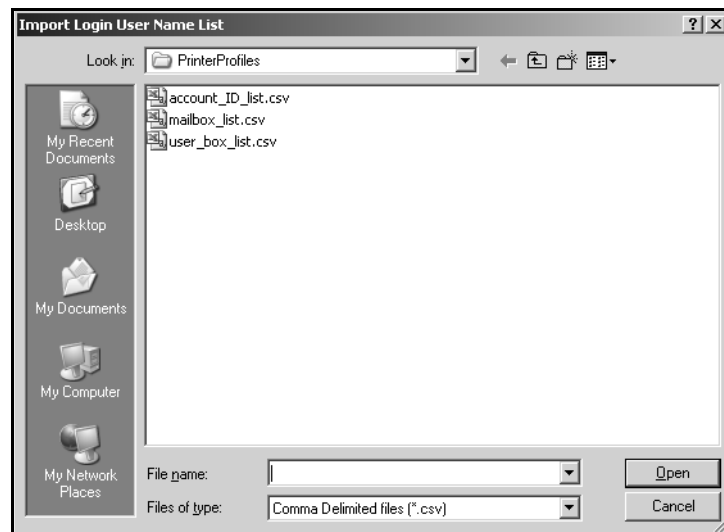
The name and password are case-sensitive. The name and password can each be up to 64 alphanumeric characters. The user name is automatically filled in with the Login User Name by default, but can be changed. The user name can be up to 20 characters.

Import and Export the Login User Name List

This section explains how to import and export your Login User Name lists. You can save the list of Login User Names created in the previous section to your personal computer or network. After saved, the list can be imported into other printer drivers.

Import

- 1 In **Administrator Settings**, click **Login User Name List**, then click **Import**.
- 2 Use **Look in** to browse for the file to import, or type the file name, and click **Open**.



- 3 You can then select the imported file from the list of **Login User Names**.

Export

- 1 In the Administrator Settings dialog box, click **Login User Name List**, then click **Export**.
- 2 In **Login User Names** select a file to export, and click **Export**.
- 3 Use **Save in** to browse to a location to save the file, type the file name, and click **Save**.

Job Accounting

With **Job accounting**, you can assign account IDs to print jobs, or work with IDs already created at the printing system. Job accounting features help you manage and control the number of copies in a printing system. After IDs are created, from the printing system operation panel you can view the number of copies attached to a specific ID or limit the number of copies for individual IDs. IDs for newer models must be 8 digits or less.

Copy management must be set to ON at the printing system to use this feature. A maximum of 1000 account IDs can be assigned at the printing system and stored in

the printer driver. For complete information about the job accounting features of the printing system, please see the *Operation Guide* for your particular model.

Note: User login and job accounting cannot be used at the same time in the driver.

Job accounting includes the following options:

Use specific account ID: This option can be used to specify a single account ID to manage the print jobs of a specific user. When the user prints, your jobs are sent with the account ID. You can use **Password protect administrator settings** to protect access to the **Administrator Settings** dialog box, so that the user cannot see or change this setting.

Prompt for account ID: This option can be used to prompt the user for an account ID when printing. When sending a print job, type an account ID when prompted, then click **OK** to print. The account ID must be one that has been registered at the printing system, or the job does not print.

Prompt for account ID and validate: This option can be used to prompt the user to specify an account ID that is saved in the driver. When sending a print job, type an account ID when prompted, then click **OK** to print. The account ID is validated against the account ID list, so you must type an ID from the list, or you cannot print.

Display account ID list: This option can be used to display the list of IDs entered in the account ID list of the driver when sending a print job. This gives the user a selection of account IDs to choose from.

Account ID List: This option can be used to add, edit, or delete account IDs from the account ID list of the driver. You can also give the IDs text descriptions to help manage and track them. After an account ID list is created, the list can be exported as a group by saving it as a text file (.CSV). To import an account ID list, browse for an existing list and save it in your printer driver.

Administrator Password

You can set a password for the **Administrator Settings** dialog box. After a password is typed in, the administrator settings dialog box cannot be opened until the password is typed in the **Enter Password** dialog box. This prevents unauthorized personnel from changing the administrator settings.

Set the Password

- 1 In the Administrator Settings dialog box, select the **Password protect administrator settings** check box to open the **Password** dialog box.
- 2 In the **Password** dialog box, enter the new password using between 4 and 16 characters in the **Password** text box. Re-enter the password in **Confirm password** and click **OK**.

Change the Password

- 1 In the **Device Settings** tab, click **Administrator**.
- 2 The **Enter Password** dialog box appears. Type the password and click **OK**.
- 3 The **Administrator Settings** dialog box appears. Clear the **Password protect administrator settings** check box. A **Password** message appears.

- 4 Click **OK**.

User Settings

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

- [Identification](#)
- [Units](#)
- [Language Preference](#)

Identification

In this dialog box, type user name and department information.

- 1 In the **Device Settings** tab, click **User**.
- 2 The **User Settings** dialog box appears. In the **User name** and **Department** text boxes, type up to 31 characters.
 - Type the preferred name in **User name text** box.
 - Type the user's department or group name in the **Department** text box.



- 3 Click **OK**.

Units

The unit of measurement is used for the following settings:

- **Custom Page Sizes** setting in the **Page Sizes** section in the **Basic** tab.
- **Spacing** setting in the **Watermark Add** and **Edit** dialog boxes.
- **Poster** settings in the **Layout** tab.

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

Language Preference

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

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

Page Description Language (PDL)

You have the option to change the Page Description Language (PDL) by selecting **PDL** in the **Device Settings** tab. You can choose from **PCL XL**, **PCL 5e**, **KPDL** (Kyocera Page Description Language), or **PDF** (Portable Document Format). The default is **PCL XL**, which is suitable for most printing purposes. After you select a PDL, the selection appears in the lower corner of the Preview image.

PDL Settings

- 1 In the **Device Settings** tab, click **PDL**.
- 2 The **PDL Settings** dialog box appears. Select the desired language from the **Select PDL** list. See the table below for options and descriptions.

Option	Description
PCL XL	<p>The most recent version of HP PCL and PCL 6. This PDL includes PCL 5e features.</p> <p>Enhanced over PCL 5e in these areas:</p> <ul style="list-style-type: none"> • Reduced file size • Better print speed • Faster return to application • Lacks backward compatibility with earlier PCL versions
PCL 5e	<p>Specifies PCL 5e as the PDL.</p> <ul style="list-style-type: none"> • Fully compatible with earlier PCL versions • Bidirectional communication support • Wide selection of fonts for use with Microsoft Windows applications • Allows more options for utilizing PRESCRIBE commands within applications • Quality when printing complex graphics may be lower
KPDL	<p>Specifies KPDL as the PDL. KPDL is used when printing from applications that support PostScript 2 or 3.</p> <ul style="list-style-type: none"> • An optional KPDL upgrade kit may be required for some models. • Kyocera's emulation of PostScript printing • Strong graphics reproduction • Print speeds may be slower than PCL 5e • Requires more printing system memory than PCL 5e • Enables native TrueType font downloading • Supports most Graphics Settings options

Option	Description
PDF	<p>Lets you print or save documents from multiple sources to Adobe PDF format. The PDF format is independent of the operating system and application software used to create documents.</p> <p>Output to PDF is a plug-in that lets you print or save documents from multiple sources to Adobe PDF format. For information about installing the Output to PDF plug-in, see Installing Optional Devices on page 2-1.</p> <ul style="list-style-type: none"> • Use as an alternative to existing commercial applications for creating PDF documents. • Documents saved as PDF retain their original appearance, and can be viewed and printed with the free Adobe Reader on Windows, Mac OS, and UNIX platforms. <p>Note: With PDF selected as the Page description language, only a limited set of driver options are available.</p>

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

3 Settings is available when the PDL is set to KPD L or PDF.

KPD L

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

PDF

Options	Description
Embed fonts	Select to ensure document fonts appear accurately in the PDF file on screen. This option significantly increases the file size and ensures accurate reproduction.
Compress data	Select to enable Flat compression for the generated PDF document. It significantly reduces the file size. Additional compression options are available within Adobe Acrobat.
Security	Select 40-bit or 128-bit encryption for the print job and set passwords for opening a document and/or access to changing the document restrictions within Adobe Acrobat. Save to file must be checked for security to create secure PDF documents. Click Settings for additional security settings.
Save to file	Select to save the document as a PDF file. Password settings are available in the Security Settings dialog box.

Note: If Save to file is selected, the document is not printed when you click **OK** in the Print dialog box.

Options	Description
Security Settings	<p>Lets you select an encryption level and create passwords for the generated PDF file. To access the Security Settings dialog, follow these steps:</p> <ol style="list-style-type: none"> 1. Open Printer Properties/Device Settings 2. Click on the PDL button 3. For Select PDL, choose PDF then click on the Settings. 4. Place a checkmark next to Security, then click on Settings. <p>The following security options are available:</p> <ul style="list-style-type: none"> • Encryption: Encryption provides password protection so that a document cannot be easily opened or altered by unauthorized users. • 40-bit: Provides low level security for a document. Supported for earlier versions of Adobe Acrobat and Adobe Reader 3.0 - 4.x. • 128-bit: Provides high level security for Adobe Acrobat and Adobe Reader 5.0 or later. <p>Note: Adobe Acrobat 3 and 4 cannot open 128 bit encrypted PDF documents.</p> <ul style="list-style-type: none"> • Passwords: Select passwords for changing security settings and for opening a document. Passwords are supported up to 16 characters in length. • Requires a password to change security settings: Type an Owner password. Within Adobe Acrobat, this password is be required to change the document restrictions in the Files/Properties/Security section. • Requires a password to open document: Type a User password. The user password must be entered at the time the PDF document is opened. This password must be different from the owner password used to control document restrictions.

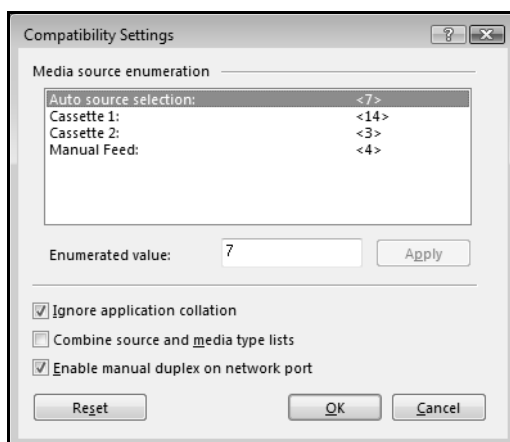
Compatibility Settings

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

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

If the values for a given media source differ between the old and new printer drivers, reassign the value in the new driver to match the value in the previous driver. Compatibility settings can be adjusted by selecting **Compatibility** in the **Device Settings** tab.

- 1 In the **Device Settings** tab, click **Compatibility**.
- 2 The **Compatibility Settings** dialog box appears. From the **Media source enumeration** list, select the paper supply method. The current value is listed in the **Enumerated value** box.



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

The other options in the **Compatibility Settings** dialog box are:

- **Ignore application collation**
Use this option to bypass the **Collate** setting in the application, and give priority to the printer driver setting.
- **Combine source and media type lists**
This option changes the **Basic** tab of **Printer Properties** so that **Media type** and **Source** are combined into one box, labelled **Source**.
- **Enable manual duplex on network port**
Use this option to print using Manual Duplex (see [page 3-5](#)).

About

The **About** dialog box gives you information about the version number of the driver, and any plug-ins that are installed.

Version

To view the current driver information, click **Properties > Device Settings > About**, or from any **Printing Preferences** tab, click **About**. Click **Version** to view the following driver information:

- File Name
- Version
- Description
- Date
- Manufacturer
- Comments

Plug-in

To display installed plug-in modules, click **Properties > Device Settings > About**, or from any **Printing Preferences** tab, click **About**. Click **Plug-in** to view the following driver information:

- Module
- Description
- Version

Note: Adding or deleting plug-in modules can only be accessed from **Properties > Device Settings**.

3 Printing Basics

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

- [Basic Printing Tasks](#)
- [Printing on Paper of Non-Standard Sizes](#)
- [Manual Duplex Printing](#)
- [Collate](#)

Basic Printing Tasks

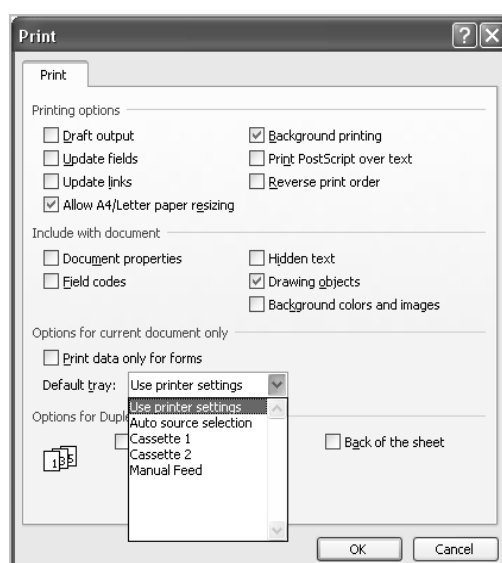
The steps required to print a document created with an application are explained below. You can select the printing paper size and output destination.

Basic Printing

- 1 Insert the proper paper size (such as A4) into the printing system's paper cassette or MP tray.
- 2 From the application's **File** menu, select **Print**. The **Print** dialog box appears.
Select the desired printing system from the list of available printing systems.
- 3 Specify the number of copies to print in the **Number of copies** box. You can print up to 999 copies. When printing two or more copies, enable the **Collate** check box for collation. **Number of copies** and **Collate** can also be specified in the **Basic** tab. See [page 3-6](#) for further information.

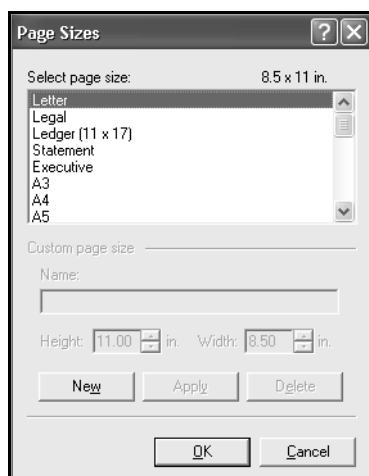
If **Ignore application collation** is selected in the **Compatibility Settings** dialog box, the **Print** dialog **Collate** setting is not applied.

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



- 4 Click **Properties** to open the **Properties** dialog box.

- 5** In the **Basic** tab, click **Page Sizes** to open the **Page Sizes** dialog box. In the **Select page size** list, select a page size for the print job.



- 6** Click **OK** to return to the **Basic** tab.

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

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

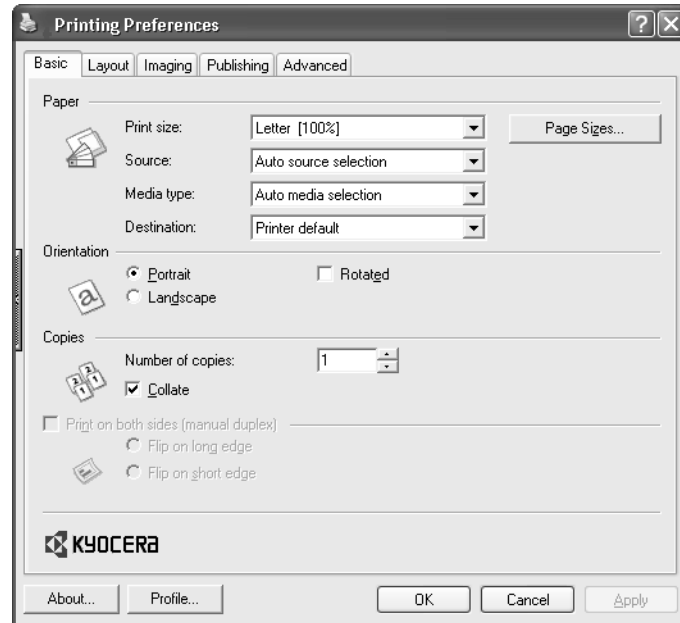
- 7** Click the **Source** list to specify the paper cassette for printing.
- 8** Choose either **Portrait** or **Landscape** to match the document page orientation. You can rotate the document 180 degrees by selecting the **Rotated** check box.
- 9** Click **OK** to return to the **Print** dialog box.
- 10** Click **OK** to start printing.

Print Sizes

This section describes how to print documents of different sizes than the original document. The document image is adjusted to match the size you select. If you would like to manually input the Scaling percentage, see [Scaling](#) on page 4-3.

- 1** In the print application, select **File > Print**.
- 2** In the **Print** dialog box, click **Properties**.
- 3** In the **Page Sizes** list, select the document's paper size and click **OK**.

- 4 In the **Basic** tab, click the **Print Size** list and select the preferred output paper size.



- 5 Confirm the proper paper size is loaded. Click **OK** to return to the **Print** dialog box.
- 6 Click **OK** to start printing.

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

Media Types

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

You can specify the media type in the **Media type** setting for media selection when using non-standard types of printing media, such as recycled paper, labels, or transparencies. You can also specify the finishing settings for best results.

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

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

When paper is properly loaded in the paper cassette, the printing system can automatically detect the paper size. The following steps specify the media settings:

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

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

- 2 In the print application, select **File > Print**.
- 3 In the **Print** dialog box, click **Properties**.
- 4 Select the document paper size from the **Print Size** list.
- 5 From the **Media type** list, select the type of media for printing, then click **OK**.

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

Printing on Paper of Non-Standard Sizes

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

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

Custom Paper Sizes

- 1 Load the custom paper into the printing system. For further details, refer to the printing system's *Operation Guide*.
- 2 In the print application, select **File > Print**.
- 3 In the **Print** dialog box, click **Properties**.
- 4 Click **Page Sizes**. The **Page Sizes** dialog box appears.
- 5 Click **New** to display **Custom_01** in the **Name** box. You can replace **Custom_01** with the name for your new custom paper size. The name can be up to 31 characters.
- 6 Type the measurements in the **Height** and **Width** boxes in millimeters or inches. The unit (inches or millimeters) is selected in the **User Settings** dialog box, accessed from the **Device Settings** tab. For further details on changing the unit, refer to [User Settings](#) on page 2-7. For custom paper size dimensions, refer to the printing system's *Operation Guide*.
- 7 Click **OK** to return to the Basic tab.
- 8 To add more custom paper sizes, repeat the steps above (Maximum 20 custom paper sizes).

Printing with Custom Paper Sizes

- 1** Select **Print** from the **File** menu. From the application's **Print** dialog box, click **Properties**.
- 2** In the **Basic** tab, select the name of your saved paper size in the **Print Size** list.
- 3** From the **Source** list, select the source cassette for the custom page size.
- 4** Click **OK** to return to the **Print** dialog box.
- 5** Click **OK** to start printing.

Manual Duplex Printing

Manual duplex enables printing on both sides of a sheet for some models that do not have a duplex unit. Manual duplex orders 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 any of the options in the **Publishing** tab are used.

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

The **Print** dialog boxes of some applications allow you to print just the odd or even pages so that you can use manual duplex.

If the selected printing system does not have a duplex unit, a **Manual duplex** checkbox is available in the Microsoft Word **Print** dialog box. When this option is selected, the odd pages are printed first. The following message then appears on the screen: *Please remove the printout of first side from tray and place it in the input bin. Then press OK to continue printing.* This notifies the user to flip the printed pages over and re-insert them in the cassette or tray of the printing system, and proceed to print even pages.

Some Kyocera printing systems have a manual duplex setting in **Printing Properties** in the **Basic** tab. Instructions for using this method for manual duplex printing are below. If the **Properties** or **Preferences** dialog boxes for your printing system don't have manual duplex settings, look for an option to print just odd or even pages in the **Print** dialog box of the application you want to print from.

Manual Duplex Settings

- The printing system must be set to a local port.
- OR -
- When using a network port, select **Enable manual duplex on network port** in the **Compatibility Settings** dialog box, accessed from the **Device Settings** tab. See [Compatibility Settings](#) on page 2-10 for instructions on changing compatibility settings.
- The **Source** selection must be **Cassette 1** or **Cassette 2**.

Print on Both Sides

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

- 2** Select the **Print on both sides (manual duplex)** check box.
 - 3** Select **Flip on Long Edge** or **Flip on Short Edge**.
 - 4** Select **Print manual duplex instructions** to print an instruction sheet. Follow the printed instructions for placing the pages back into the cassette after the first side is printed.
- OR -
- Clear **Print manual duplex instructions** and follow steps 5-7.
- 5** Click **OK** in the **Properties** dialog box and **Print** dialog box.
- The even-numbered pages will be printed.
- 6** When printing stops, remove all printed sheets from the output tray.
- With **Flip on Long Edge** selected, turn the stack over on the long edge and put the pages into the cassette.
- With **Flip on Short Edge** selected, turn the stack over on the short edge and put the pages into the cassette.
- 7** Click **OK** in the **Manual Duplex Instruction** dialog box.
- The odd-numbered pages will be printed.

Collate

Collate enables the driver to internally assemble print job pages in numerical sequence. It increases print speed to specify the printed page order of a multi-copy job.

- With **Collate** selected, the driver prints the job, set by set. All the pages of the first set are printed, followed by all pages of the next set. For example: For printing two sets of a three page document, the default page ordering would be 1, 2, 3, 1, 2, 3.
- With **Collate** cleared, the first page is printed for all sets, followed by the next page for all sets. For example: For printing two sets of a three page document, the default page ordering would be 1, 1, 2, 2, 3, 3.

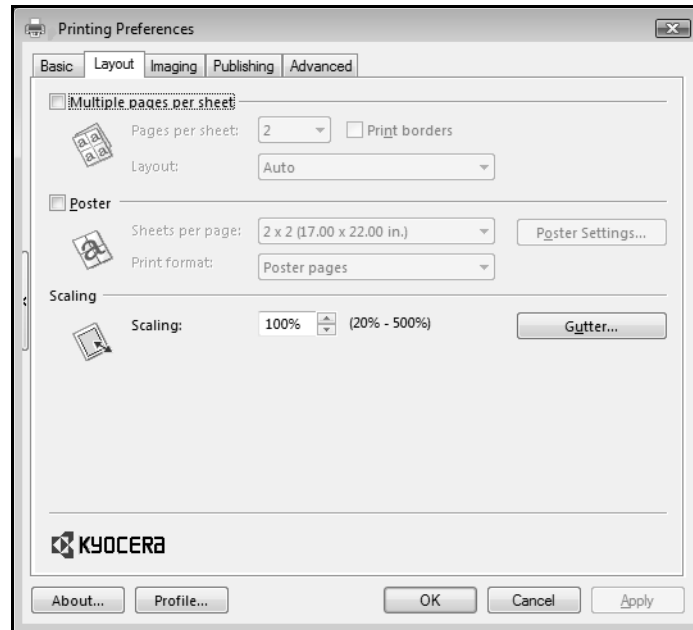
The driver graphics image displays the grouping of collating and non-collating.

The printer driver automatically overrides the application's collate setting and uses the printer driver setting. To use the **Basic > Collate** option, clear the **Device Settings > Compatibility > Ignore application collation** check box.

4 Layout

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

- **Multiple pages per sheet** prints more than one document page on a single sheet.
- **Poster** prints a large banner using several sheets of paper.
- **Scaling** increases or decreases the print size.



Multiple Pages Per Sheet

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

- 1 In the print application, select **File > Print**.
- 2 In the **Print** dialog box, click **Properties**.
- 3 Click the **Layout** tab.
- 4 Select **Multiple pages per sheet**.
- 5 In the **Pages per sheet** list, select the number of source pages to be printed per sheet.
- 6 From the **Layout** list, select the horizontal and vertical direction for the page layout.

Examples:

- If you select six pages per sheet and select **Top to bottom and left**, the pages are arranged from the top right corner to the bottom left corner.

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

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

Poster

You can print a document in a larger size than the paper supported for the printing system. The **Poster** feature allows you to increase the print size, print portions of the document on several sheets of paper, then assemble the sheets into a large banner, up to 25 times larger than the original document.

Sheets Per Page

In the **Sheets per page** list, select the size of the desired poster, in relation to the original document size. The list shows the number of sheets to be printed and the maximum poster size. The final size may be reduced slightly depending on selections made in the Poster Settings dialog box. For further details, refer to [Poster Settings](#) on page 4-2.

Available Poster Sizes

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

The dimensions shown after each option are based on the selected **Page size** in the **Basic** tab. For further details on selecting a page size, refer to [Basic Printing Tasks](#) on page 3-1.

The unit (inches or millimeters) is selected in the **User Settings** dialog box, accessed from the **Device Settings** tab. For further details on changing the unit, refer to [User Settings](#) on page 2-7.

Print Format

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

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

Poster Settings

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

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

- **Overlap edges**

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

- **Print crop marks**

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

- **Print assembly marks**

Select this option to print numbers at the edges of each sheet, matching numbers on adjoining sheets. Assemble each sheet edge to the same numbered edge on another sheet. For a large poster with many sheets, this option ensures that the poster assembles correctly.

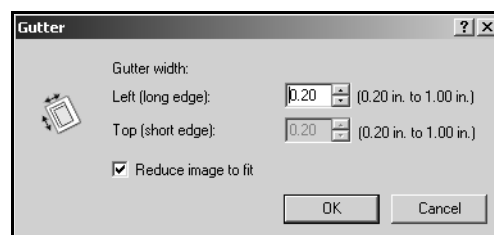
Scaling

Based on the page size and print size specified in the **Basic** tab, you can reduce or enlarge the image from 20% to 500% of the original size.

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

Gutter

Based on the page size and print size specified in the **Basic** tab, you can increase the top and/or left margin.



Click **Gutter** to increase the outside margins in a range from 5.0 to 25.4 mm (0.20 to 1.00 inch). The left and/or top margins can be adjusted.

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

If you want to change the page size, refer to [Print Sizes](#) on page 3-2.

5 Imaging

The **Imaging** tab contains **Quality** and **Grayscale** options for print jobs.



Print Quality

- 1 In the print application, select **File > Print**.
- 2 In the **Print** dialog box, click **Properties**.
- 3 In the **Properties** dialog box, click **Imaging**.
- 4 Select a **Print quality** from the list.
- 5 If you select **Custom** as the **Print quality**, next to the list click **Custom Quality** to open the **Custom Quality Settings** dialog box.

Print Quality	
Option	Description
High quality	Uses the highest printing system resolution.
Proof	Uses the second highest printing system resolution.
Draft	Uses a resolution of 600 dpi.
Custom	Choose your own combination of settings for Resolution , Kyocera image refinement , and EcoPrint .

Custom Print Quality Settings

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

- **Resolution**
- **Kyocera image refinement**
- **EcoPrint**

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

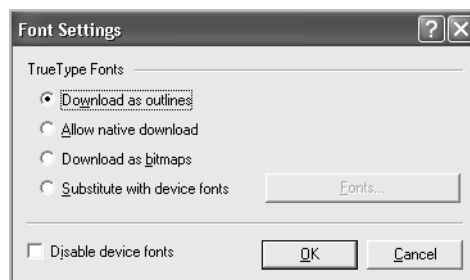
Custom Option	Description
Resolution	The number of dots printed in one inch. At higher resolutions more detail appears in the print job. Select Fast 1200 mode, 600 dpi, or 300 dpi.
Kyocera image refinement	Smooths the outlines of text and vector graphics.
EcoPrint	Makes text and graphics appear lighter in the printed job.

Fonts

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

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

- 1 Click **Fonts** to open the **Font Settings** dialog box.



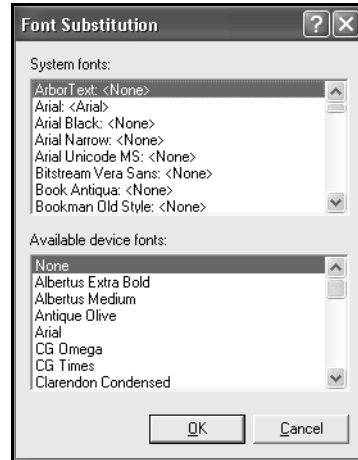
- 2** Select one of the methods for sending TrueType fonts, and then click **OK** to save your selection:

Fonts	
Option	Description
Download as outlines	Best suited for large documents or print jobs using multiple fonts and font sizes. Print speeds are faster because of the optimization features in this setting. The repetition of similar font data sent to the printing system is reduced, thereby increasing the print speed. Print speed is not increased when using Asian fonts such as Japanese, Chinese, and Korean, because of the large amount of font information used for these particular fonts.
Allow native download	Improves text quality and increases print speed by converting TrueType fonts to Adobe Type 42 font format. This feature is available when KPDL is selected in the PDL Settings dialog. For further details on changing the page description language, refer to PDL Settings on page 2-8.
Download as bitmaps	Bitmap downloading provides more detail, however it creates large file sizes. For print jobs with very small fonts (point size 1-4), user-defined fonts, or Asian fonts.
Substitute with device fonts	<p>System fonts and device fonts are automatically matched based on typeface name. To match a specific device font with a system font, select Substitute with device fonts, then click Fonts to open the Font Substitution dialog box.</p> <p>Select under these circumstances:</p> <ul style="list-style-type: none"> • To increase print speed and efficiency. • To change a font found throughout a large document. This selection replaces the old font with the desired font.

Note: GDI compatible mode does not support **Substitute with device fonts**. For further details on GDI compatible mode see [page 2-9](#).

Font Substitution

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



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

Disable Device Fonts

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

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

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

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

Graphics

From the **Imaging** tab, click **Graphics** to open the **Graphics Settings** dialog box. Choose your graphics settings, and then click **OK** to save your selections. See below for descriptions of graphics settings options.

Note: Some options are available only when a specific PDL is selected. For further details on changing the page description language, refer to *PDL Settings* on page 2-8.

Pattern Scaling

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

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

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

Inversion Options

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

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

Optimization

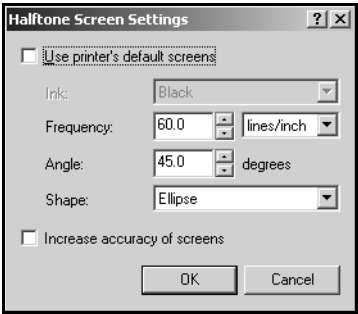
Optimization selections are available when **KPDL** is selected in the **PDL Settings** dialog box.

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

Halftone Screen

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

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



- 1 From the **Graphic Settings** dialog box, click **Halftone Screen**.
- 2 Clear the **Use printer's default screens** check box.
- 3 Select from the list for each option, or enter the values:

Halftone Screen	
Option	Description
Ink	Black is the only available ink color.
Frequency	Number of rows of dots per inch or centimeter. Enter a numeric value in the Frequency box, and select lines/ inch or lines/cm .
Angle	Select the angle at which rows are aligned. An angle is measured in degrees, ranging from -180 to +180.

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

Grayscale

Use the **Grayscale** options to adjust the appearance of graphics and text produced.

Grayscale	
Option	Description
Print text as black	Prints all color text as black. This is useful for increasing the detail for light colored text printed by monochrome printers. White text and image colors are unaffected.
Print graphics as black	Prints all colors as black. This feature works for vector graphics only, and is most useful for CAD applications. Readability is improved for CAD blueprints because different colored objects print more clearly.

Grayscale adjustment settings let you change the **Brightness** and **Contrast** of graphics for monochrome printers. Grayscale adjustment settings are useful if graphic images are printing too light, too gray, or too dark. Text remains unaffected.

- 1 Click **Adjustment** to open the **Adjustment Settings** dialog box.
A preview image in the dialog box illustrates any brightness and contrast changes.
- 2 Drag the **Brightness** slider right to lighten, or left to darken the graphic images of the print job.

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

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

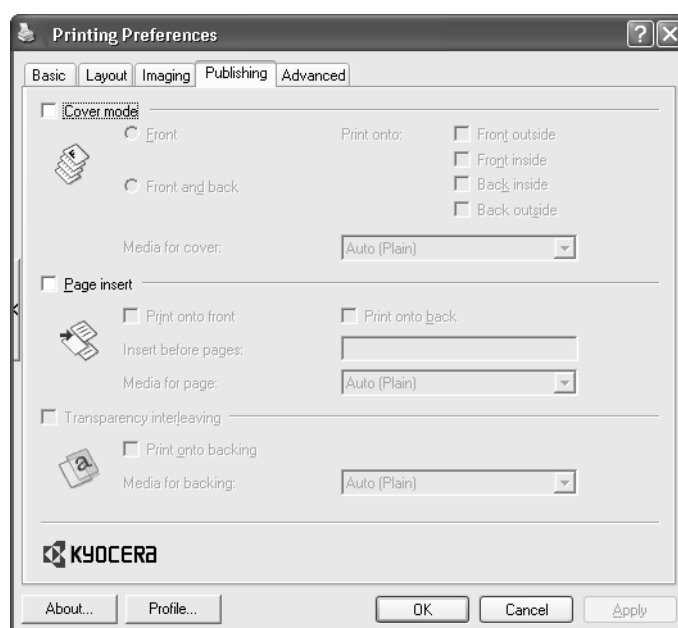
A high contrast setting decreases the grayscale spectrum, making light grays lighter and dark grays darker. A low contrast setting increases the grayscale spectrum, making light grays darker and dark grays lighter.

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

6 Publishing

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



Printing with Covers


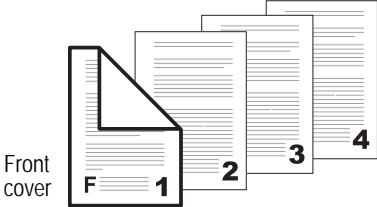
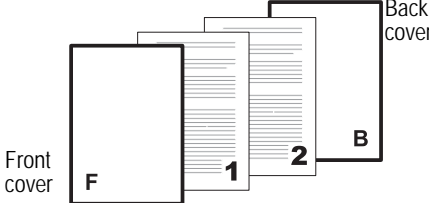
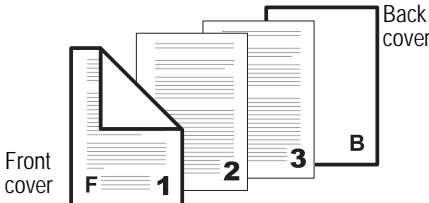
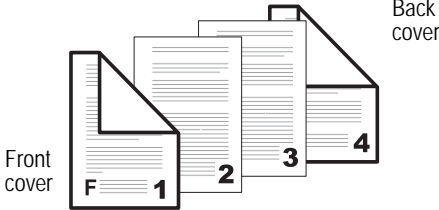
For your document's front cover or front and back covers, you can insert and print on paper that is a different weight or color than the paper for the body of the document. You can also specify cover printing when completing booklet printing settings. The paper used for printing the document body is specified in the **Paper** settings in the **Basic** tab of the **Properties** dialog box. The source of the cover paper is specified by adjusting the **Media for cover** settings in the **Publishing** dialog box. (When printing covers or inserting pages, manual duplexing is not possible and is unavailable in the Basic tab.)

Although **Cover mode** and **Page insert** may be used simultaneously, they cannot be used with **Transparency interleaving** (described in [Transparency Interleaving](#) on page 6-5).

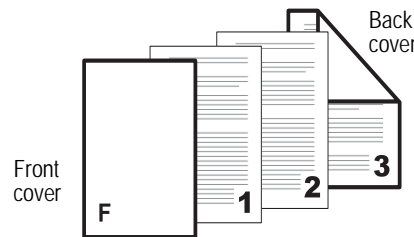
- 1 In the print application, select **File > Print**.
- 2 In the **Print** dialog box, click **Properties**.
- 3 In the **Properties** dialog box, click the **Publishing** tab.

- 4 Select the **Cover mode** check box. Select from the page arrangements described in the table below.

Cover Printing Options

Check Box Selection	Cover Insertion Type
<input type="radio"/> Front	Inserts a blank front cover. 
<input type="radio"/> Front <input checked="" type="checkbox"/> Front Outside	Prints on the outside surface of the front cover. 
<input type="radio"/> Front and Back	Inserts blank front and back covers. 
<input type="radio"/> Front and Back <input checked="" type="checkbox"/> Front Outside	Prints on the outside surface of the front cover and inserts a blank back cover. 
<input type="radio"/> Front and Back <input checked="" type="checkbox"/> Front Outside <input checked="" type="checkbox"/> Back Inside	Prints on the outside surface of the front cover and inserts a blank back cover. 

Check Box Selection	Cover Insertion Type
<input type="radio"/> Front and Back <input checked="" type="checkbox"/> Back Inside	Prints on the inside surface of the back cover and inserts a blank front cover.



Edit Cover Printing Options

- 1 From the **Media for cover** list, select the media type or source cassette for the front and back covers. When you choose the media type, a source cassette matching that media is automatically selected. Heavy, thin, or other special papers must be supplied from the MP tray.
- 2 Load the paper for the front and back cover in the paper cassette selected in step 1.
- 3 Click **OK** to return to the **Print** dialog box
- 4 Click **OK** to start printing.

Page Insert

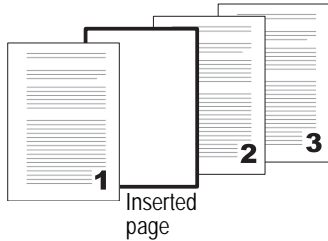
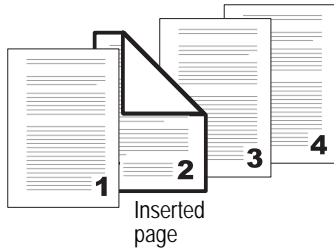
You can insert a preprinted page or a page of a different paper type before a designated page. You can also print on the inserted paper. Using the standard duplex unit, you can also print on the reverse of the inserted paper.

Although the **Page insert** and **Cover mode** may be used simultaneously, they cannot be combined with **Transparency interleaving** (described in [Transparency Interleaving](#) on page 6-5).

Insert Page Printing

- 1 In the print application, select **File > Print**.
- 2 In the **Print** dialog box, click **Properties**.
- 3 In the **Properties** dialog box, click the **Publishing** tab.
- 4 Select the **Page insert** check box. Select the option corresponding to your desired page arrangement as shown in the following table. (When inserting pages, manual

duplexing is not possible and is unavailable in the Basic tab.) To print on the front of the inserted page, enable the **Print onto front** check box.

Check Box Options	Page Insertion Types
<input checked="" type="checkbox"/> Page insert	Inserts a blank page before the second page. 
<input checked="" type="checkbox"/> Page insert <input checked="" type="checkbox"/> Print onto Front	Prints on the front surface of the inserted page. 

Combinations

Adjust Media Combination Settings

- 1 Enter the page number where the inserted paper is to be placed. An insert paper is placed between the page number you entered and the page before it. For duplex printing without printing on the cover, you can designate for pages to be inserted starting with page 2 and ending on page 511. For duplex printing, and if you check print cover front and back, then the range is 3 to 511. If simplex printing, the range is from 2 to 511.
- 2 To designate several pages in the document for insertion, enter a comma (,) to separate them. For a series of insertions in a range of pages, use a hyphen (-). For example, to insert a page before pages 5, 11, 12, 13, and 18, enter **[5,11-13,18]**.
- 3 From the **Media for page** list, select the media type of the inserted page or the source paper cassette.

When you choose the media type, a source cassette that matches that media is automatically selected. Heavy, thin, or other special papers must be supplied from the MP tray.
- 4 Load the paper into the paper cassette.
- 5 Click **OK** to return to the **Print** dialog box.
- 6 Click **OK** to begin printing.

Transparency Interleaving

Transparency interleaving inserts a page between each transparency in a print job to prevent damaging the transparencies. This function is only available when printing on transparencies supplied from the MP tray. On these inserted pages you can print the same content as for the transparencies.

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

Transparency Interleaving Method

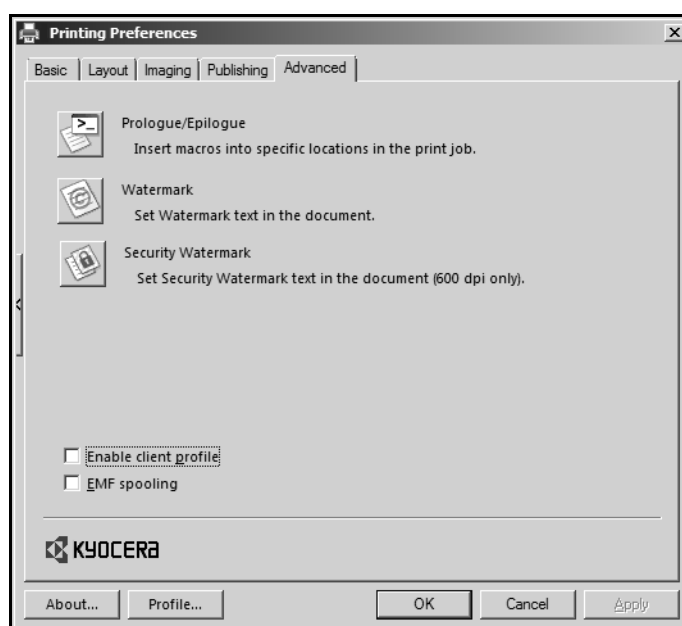
- 1** In the print application, select **File > Print**.
- 2** In the **Print** dialog box, click **Properties**.
- 3** In the **Basic** tab, if the Source and Media type lists have been combined in the **Compatibility Settings** dialog box, select **Auto (Transparency)**.

If the Source and Media type lists have not been combined, from the **Media type** list, select **Transparency**.
- 4** Click the **Publishing** tab.
- 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** list, select the media type of the backing sheet or the source paper cassette. When you choose the media type, the source cassette where that media is loaded is automatically selected.
- 7** Load transparencies into the MP tray and if necessary, load backing paper into the selected cassette.
- 8** Click OK to return to the **Print** dialog box.
- 9** Click **OK** to begin printing.

7 Advanced

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

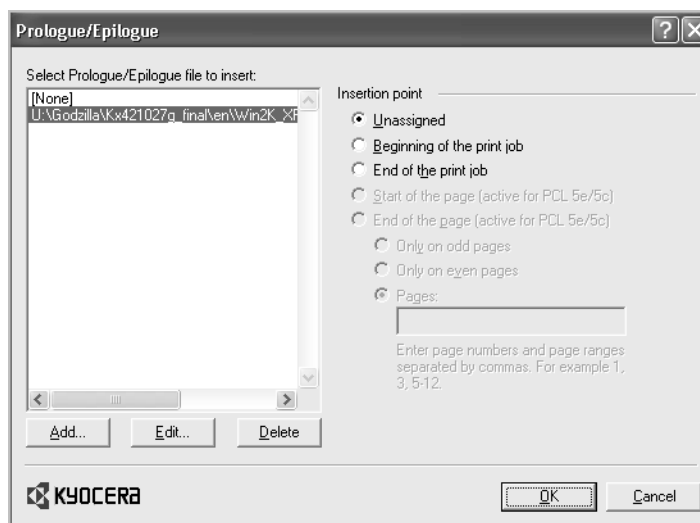
- Prologue/Epilogue inserts PRESCRIBE printing system language commands into specified pages or locations of a print job.
- Watermark adds semitransparent text to a print job.
- Security Watermark adds watermark text and a background pattern to a print job. The text is nearly invisible when printed, but appears if the printed document is photocopied.
- Enable Client Profile lets you save custom profiles in your client driver or use the profiles on the server to apply with your print jobs.
- EMF Spooling lets you return to your application while running a large print job.



Prologue/Epilogue

Prologue/Epilogue lets an experienced PRESCRIBE user insert one or more printing system language command files into specific locations of a print job. For example, a command file may contain a macro (series of commands called to accomplish a

specific task), settings for printing system emulation, an electronic form, or a graphic object such as a logo or signature.



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

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

Select Prologue/Epilogue File to Insert

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

Add

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

Edit

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

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

Delete

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

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

Insertion Point

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

Unassigned

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

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

Beginning of the print job

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

End of the print job

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

Note: The following **Start of the page** and **End of the page** insertion point options are available only when PCL 5e is selected as the PDL (Page Description Language). For further details on changing the page description language, refer to *PDL Settings* on page 2-8.

Start of the page

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

End of the page

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

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

Only on odd pages

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

Only on even pages

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

Pages

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

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

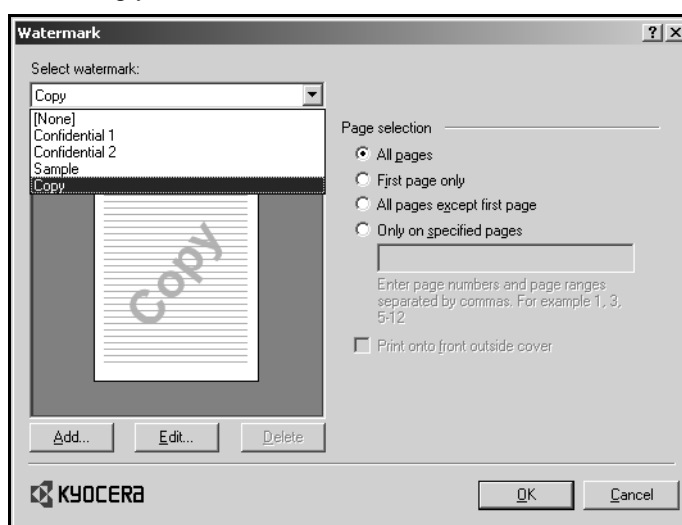
If the **Pages** option is selected and you click **OK** without entering any numbers, you are prompted to specify page numbers.

Watermark

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

Select Watermark

Select a watermark from the **Select watermark** list. The selection list contains these standard watermarks: Confidential 1, Confidential 2, Sample and Copy. For details on creating your own watermarks, see [Add Watermark](#) on page 7-5.



Page selection

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

All pages

The watermark prints on every page of the document.

First page only

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

All pages except first page

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

Only on specified pages

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

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

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

Print onto front outside cover

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

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

In the **Publishing** tab you can also select different media for the cover than that used for the rest of the print job. For further details, see [Printing with Covers](#) on page 6-1.

Add Watermark

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

- 1 Click **Add** to open the **Add Watermark** dialog box.
- 2 Type a descriptive name for your watermark in the **Watermark name** text box. The name can be different from the actual watermark text. After the new watermark is added, the name appears in the **Select watermark** list.
- 3 Type the text you want to print as a watermark in the **Watermark text** box. Your text appears in the preview area at the left of the dialog box.
- 4 To add the new custom watermark, click **OK**. To exit the dialog box without saving the watermark, click **Cancel**.

Additional Text Options

Fonts

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

In the **Count** box, type in the number of watermarks to appear on a page, from 1 to 20. Selecting a number greater than 1 in **Count** enables the **Spacing** option. Type in a number for the distance between multiple watermarks, in tenths of an inch or millimeters. The unit (inches or millimeters) is selected in the **User Settings** dialog box, accessed from the **Device Settings** tab. For further details on changing the unit, refer to [User Settings](#) on page 2-7.

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

Position

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

The following options provide additional means for positioning watermark text:

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

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

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

Angle

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

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

The following options provide additional means for positioning watermark text:

Diagonal [default]: Places the watermark at the default angle.

User defined: Select to change the angle from the default value. Type In the number for the angle you want, or select with the up and down arrows. An angle is measured in degrees, ranging from 0 to 360.

Edit Watermark

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

- 1 From the **Select watermark** list, select a watermark to edit.
- 2 Click **Edit** to open the **Edit Watermark** dialog box.
- 3 Make any adjustments you want to the watermark. For details on how to change watermark properties, refer to [Add Watermark](#) on page 7-5.
- 4 When you are finished editing, click **OK** to save any changes you made to the watermark. To exit the dialog box without saving the changes, click **Cancel**.

Delete Watermark

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

- 1 From the **Select watermark** list, select a watermark to delete.
- 2 Click **Delete**.
- 3 In the message box, click **Yes** to confirm the deletion. To refuse the deletion, click **No**.

Security Watermark

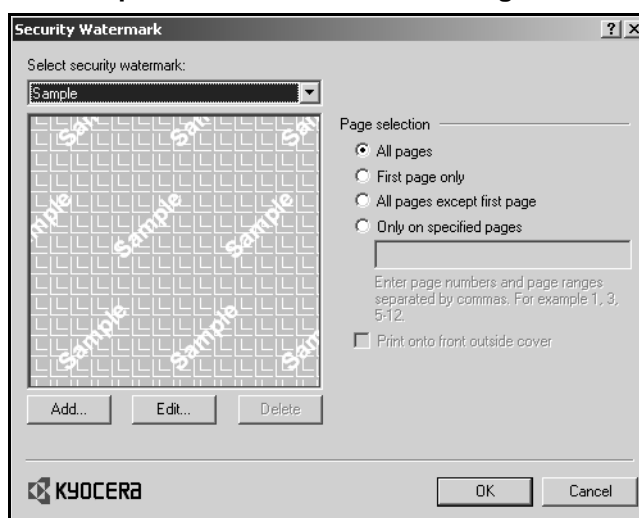
Security Watermark is an optional feature that is available with some printing systems. Security Watermark adds watermark text and a background pattern to a print job. The text blends into the background pattern making it nearly invisible when printed. If the printed document is photocopied, the security watermark is visible. A security watermark can be used to help protect against unauthorized reproduction of documents, or simply to differentiate original documents from photocopies.

Note: Security Watermark is unavailable for Windows Vista.

If Security Watermark is available for your printing system, the installation program offers the opportunity to install it during installation of the printer driver. If you have already installed the printer driver, you can install Security Watermark using the installation CD-ROM that came with your printing system.

The Security Watermark feature is accessed from the **Advanced** tab. To enable the button that opens the **Security Watermark** dialog box, **PCL XL** must be selected as the **PDL** (Page Description Language). To view or change PDL settings, in the

Windows Printers and Faxes folder right-click the icon for your printing system, and select **Properties**. Click the **Device Settings** tab, then click **PDL**.



To enable the **Security Watermark** feature, select a watermark from the list. You can choose one of the standard security watermarks, or create your own text. To disable the security watermark feature, at the top of the list select **[None]**. If **[None]** is selected, no security watermark is applied to the document, and all options in the dialog box are unavailable, except **Add**.

The preview area provides an idea of how the security watermark and background appears on a photocopied page. It is useful for viewing any adjustments made to the appearance of the text. Only a section of the preview page is displayed; it does not show how the entire page appears. The preview shows all security watermark settings except **Pattern shading**, **Text contrast**, **Overprint**, and **Print as footer** also.

Security watermark is available only when these driver features are set as follows:

- **Scaling** set to 100%
- **Print size** set to 100%
- **Gutter – Reduce Image to Fit** set to Off
- **Multiple pages per sheet** set to Off
- **Booklet** set to Off
- **Watermark** set to Off
- **Poster** set to Off
- **Kyocera Image Refinement** set to Off
- **Resolution** set to 600 dpi
- **EcoPrint** set to Off
- Monochrome **Brightness** and **Contrast** set to 0

The **Select security watermark** list is constrained to **[None]** if any of these settings are changed. The reverse also applies: if Security Watermark is set to anything other than **[None]**, the settings are constrained by the driver to the following values:

- **Scaling** set to 100%
- **Print size** set to the same size as **Page size**
- **Gutter – Reduce Image to Fit** set to Off
- **Multiple pages per sheet** set to Off (pages per sheet is set to 1)
- **Booklet** set to Off

- **Watermark** set to Off
- **Poster** set to Off
- **Print Quality - Custom** is constrained as follows:
 - **Kyocera Image Refinement** set to Off
 - **Resolution** set to 600 dpi
 - **EcoPrint** set to Off
- Monochrome **Brightness** and **Contrast** set to 0.

Select Security Watermark

Select a watermark from the **Select security watermark** drop-down list. The selection list contains these standard security watermarks: **Confidential 1**, **Confidential 2**, **Sample**, and **Copy**. For details on creating your own watermarks, see [Add Security Watermark](#) on page 7-10.

Note: The quality and effectiveness of the printed and photocopied security watermark is dependent on the particular printing system and the settings used. Before printing a security watermark, it is necessary to adjust the calibration and print calibration pages. It is also necessary to adjust the calibration, then print calibration pages, whenever certain changes are made to the printing system or security watermark settings. See [Adjust Calibration](#) on page 7-12 for more information on how to perform these important steps.

Page Selection

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

All pages

The security watermark prints on every page of the document.

First page only

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

All pages except first page

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

Only on specified pages

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

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

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

Print onto front outside cover

Select this option to print the security watermark on the front cover page. **Print onto front outside cover** is enabled when **Cover mode** is selected in the **Publishing** tab.

When printing is specified for the first page under **Page Selection** and **Front outside** is selected in the **Publishing** tab, **Print onto front outside cover** is automatically selected by the driver. (Even though the check box shows as selected, the option is disabled.)

If you want, in the **Publishing** tab you can also select different media for the covers than that used for the rest of the print job. For more details on **Cover mode**, see the **Publishing** chapter.

Add Security Watermark

You can create your own custom security watermarks with different fonts, styles, colors, sizes and angles. You can also make changes to the footer, footer position, background pattern, pattern shading, and text contrast. A maximum of 26 security watermarks can be added (in addition to the existing standard security watermarks).

Note: The **Add** button is unavailable when the number of security watermarks reaches the maximum of 30. You must delete items to make the **Add** button available again.

- 1 Click **Add** to open the **Add Security Watermark** dialog box.
- 2 Type a descriptive name for your watermark in the **Security watermark name** text box. The name can be different from the actual watermark text, but the name cannot be the same as one of the standard security watermark names. After the new watermark is added, its name appears in the **Select security watermark** drop-down list.

If you type the same name as a previously added security watermark, when you try to add the new watermark the driver prompts you for a decision to replace the one that already exists. Click **Yes** to replace the existing security watermark with the new one, or click **No** to cancel the Add action.

If you do not type a name, and the name text box is left blank, the driver prompts you to type a name. A security watermark cannot be saved with a blank name.

- 3 Up to three lines of text can be printed as a security watermark. Though the text lines (**Line 1**, **Line 2**, **Line 3**) are all optional, at least one of the lines must contain text.

To leave a text line blank, select **[None]** from that line's drop-down list.

With **User Defined** selected from the Line text drop-down list, type the text you want in the text box next to the drop-down list. The maximum length of each line of text is 39 characters. As you type, your text appears in the preview pane at the left.

As an alternative to creating your own security watermark text, you can choose one of the following selections from the list. These options direct the printing system to retrieve information from the computer or printer driver to print the security watermark:

- | | | |
|-----------------|---------------|--------------|
| • Computer name | • Mac address | • Time |
| • Date and time | • User name | • IP address |
| • Job name | • Date | • Job ID |

For date, time, and job selections, only a label for the selection appears in the preview panel. When the job is printed, the actual date, time or job information prints as the security watermark text.

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

Additional Options

Fonts

Select a font for the new watermark from the **Font** list. The Security Watermark feature uses only TrueType fonts. Select a font **Size** and **Style**. To adjust the **Angle** of the text on the page, select from the list. An angle is measured in degrees, ranging from 0 to 180. The default is 45 degrees.

Print as Footer Also

Select this option to print the first available line of text (in the **Line 1**, **Line 2**, or **Line 3** text boxes) as a footer on the document page. Select **Left**, **Center**, or **Right** to position the text in the footer.

Since the actual security watermark text may not be visible on the document original, the footer can be useful for reproducing the text visibly in an inconspicuous place at the bottom of the page,

Outline Text

This option produces an effect on the photocopied page that is the reverse of the standard result. If the check box for **Outline text** is cleared (the standard printing option), the text is the darkest, most visible part of the photocopy. If selected, the background is the most visible part, creating an outline around the text which makes the text appear white. The default setting for **Outline text** is **On**.

Watermark Color

On monochrome printers, **Watermark Color** is set to Black for printing security watermark text and background.

Background Pattern

Select a **Background Pattern** from the drop-down list for printing the security watermark background.

Available background pattern choices are:

- Wave
- Leaf
- Diamond
- Lattice
- Tile
- Plaid
- Square
- Crystal

Overprint

Select **Overprint** to print the security watermark over the document content, leaving the content visible. The effect is the security watermark seems blended in with the document content. This is useful for applications such as Microsoft Power Point and Internet Explorer, where the document content fills the entire page. If the **Overprint** check box is cleared, the security watermark is covered with the document content.

In the **Device Settings**, **PDL Settings** dialog box, if **GDI compatible mode** is selected, then Overprint is selected automatically.

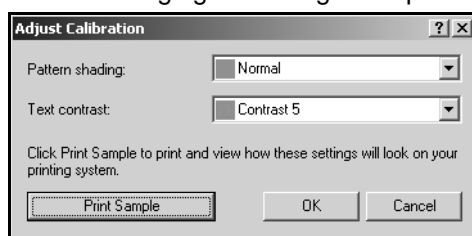
Adjust Calibration

Use this option to set and make adjustments to the **Pattern shading** and **Text contrast** for each individual security watermark. You can print sample calibrations to help you determine the appearance of the security watermark.

The quality and effectiveness of the printed and photocopied security watermark is dependent on the particular printing system and the settings used. Before printing a security watermark it is necessary to adjust the calibration, and then print calibration pages.

Calibration should be adjusted (and calibration pages printed) under these circumstances:

- Before using the Security Watermark feature the first time for each standard or custom security watermark.
- When the toner is replaced.
- After periods of heavy printing activity.
- When the physical printing device is replaced.
- After changing the background pattern.



- 1 Click **Adjust Calibration** to open the **Calibration Adjustments** dialog box.
- 2 **Pattern shading:** Select **Light**, **Normal**, or **Dark** from the list for the shading density to apply to the pattern background. The default is **Normal**.
- 3 **Text contrast:** Select a contrast level from the list to specify text darkness in relation to the background pattern. **Contrast 1** is the lightest against the background, and **Contrast 9** is the darkest. The default value for **Text contrast** varies with the printing system model.
- 4 **Print sample:** Click to print a sample page of the selected text contrast and background shading density. For comparison, the page also includes other text contrast options. Your settings are identified in the **Current selection** box bordered in black.
- 5 For best results, print three separate sample pages using each of the **Pattern shading** selections, **Light**, **Normal** and **Dark**. This provides the best range of choices for **Pattern shading** and **Text contrast** settings.
- 6 To ensure the security watermark prints and photocopies correctly, select the combination of **Pattern shading** and **Text contrast** settings where the text is the most nearly invisible.
- 7 To save your calibration adjustments, click **OK**. To quit the dialog box without saving new adjustments, click **Cancel**.

Edit Security Watermark

The **Edit Security Watermark** feature lets you select an existing watermark and make changes to its appearance and properties. For standard security watermarks, the **Security watermark name** and **Line 1, 2, and 3** text cannot be changed.

- 1 From the **Select security watermark** drop-down list, select a watermark to edit.
- 2 Click **Edit** to open the **Edit Security Watermark** dialog box.
- 3 Make any adjustments you want to the security watermark. For details on how to change security watermark properties, see [Add Security Watermark](#) on page 7-10.
- 4 When you are finished editing, click **OK** to save any changes you made to the security watermark. To quit the dialog box without saving the changes, click **Cancel**.

Delete Security Watermark

The **Delete** option lets you remove a custom security watermark that was previously added. The standard security watermarks cannot be deleted. If the watermark selected in the list is one of the standard security watermarks, the **Delete** button is disabled.

- 1 From the **Select security watermark** list, select a watermark to delete.
- 2 Click **Delete**.
- 3 In the message box, click **Yes** to confirm the deletion. To refuse the deletion, click **No**.

Enable Client Profile

In a client/server environment, you can use profiles saved in the server or use client profiles created and saved in your driver. This feature is available in the Advanced tab only in a client/server environment.

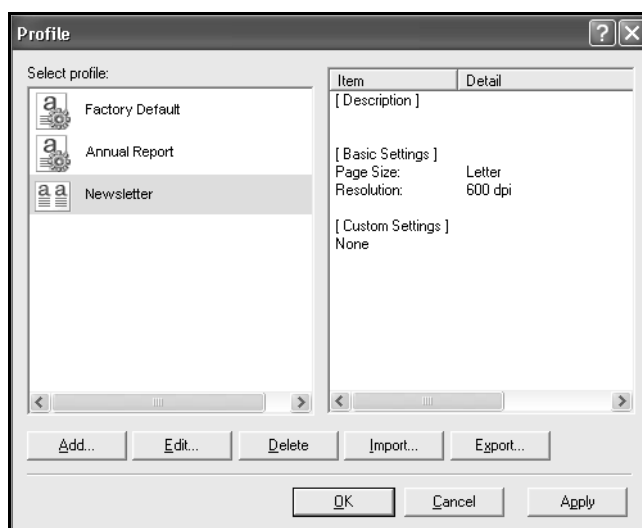
- Clear the **Enable client profile** check box to select profiles from the server to apply to your print jobs. Server profiles are read-only.
- Select the **Enable client profile** check box to create and save custom profiles in your (client) driver.

EMF Spooling

When printing large documents, it can be beneficial to select **EMF spooling**. This delays spooling and returns the user to their application more quickly. EMF spooling is not available when KPDLL is selected as the page description language (see [Page Description Language \(PDL\)](#) on page 2-8).

8 Profile

This feature lets you save printer driver settings as a profile. You can select multiple options in the **Printing Preferences** tabs, save them to a profile, and use all of them at once when you apply the profile. For example, you can save a profile with selected options for Print on both sides, landscape, and rear tray destination. Exported profiles can be shared with other KX Drivers on your computer or other computers. A maximum 26 profiles can be saved in one driver, including the default profile.



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

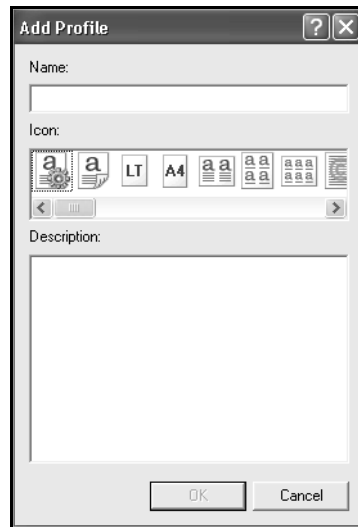
Note: The **Device Settings** tab options cannot be saved to a profile.

Add Profile

Follow these steps to create a new profile.

- 1 Select the options you want in each **Printing Preferences** tab.
- 2 At the bottom of any tab, click **Profile**.
- 3 Click **Add** to open the **Add Profile** dialog box.

- 4 Type a **Name** for the profile, select an **Icon**, and type an optional **Description**. The name can be up to 31 characters, the description can be up to 255 characters.



- 5 Click **OK** to save the profile.
- 6 Click **Apply** to activate the selected profile to the current print job.

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

Edit Profile

Follow these steps to edit a profile.

- 1 In the **Printing Preferences** dialog box, at the bottom of any tab, click **Profile**.
- 2 Select a profile and click **Edit**.
- 3 The **Edit Profile** dialog box appears. You can edit the **Name**, **Icon**, or **Description**.



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

Delete Profile

- 1 In the **Printing Preferences** dialog box, at the bottom of any tab, click **Profile**.
- 2 In the **Profile** dialog box, click **Import**. The **Import Profile** dialog box appears.
- 3 Select profiles and click **Delete**.
- 4 Click **Yes** to delete the profiles.

Import and Export Profile

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

Export

- 1 In the **Printing Preferences** dialog box, at the bottom of any tab, click **Profile**.
- 2 Select a profile and click **Export**.
- 3 The **Export Profile** dialog box appears. Name and save the profile.

Import

- 1 In the **Printing Preferences** dialog box, at the bottom of any tab, click **Profile**.
- 2 Select a profile and click **Open**.
- 3 The profile appears in the **Select profile** list.

Glossary

- A**
- Auto Configure** Device settings feature that queries a printing system through the network and automatically retrieves settings for optional devices, memory, and RAM disk. Driver settings will be updated with information received from the physical printing system. Installed devices will be displayed in the Preview image.
- C**
- Cassette** Input paper tray.
- D**
- dpi** Dots per inch.
- E**
- EcoPrint** Printing mode that reduces the amount of toner placed on the printed page. It extends the life of the toner cartridge. Because toner saturation is reduced, the entire image, text and graphics, will appear lighter in the printed job. EcoPrint does not increase print speed.
- F**
- Fast printing** Printing mode that decreases spool size and increases print speed.
- G**
- GDI compatible mode** A page description language option that accurately reproduces what is viewed on the screen using the Microsoft Graphical Device Interface (GDI) component to render the document. It generates data in a raster printing format, creating a larger printable file.
- Gutter** Blank space on the left side or top of a printed page that can be increased by scaling down text and graphics. This supports stapling and hole punching.
- H**
- Halftone screen** Imaging process that breaks down an image into dots. An experienced user can adjust Halftone screen settings to create shades of gray in graphic images. Larger dots spaced close together create darker shades, and smaller dots spaced farther apart create lighter shades. Shading can be varied by adjusting the number of rows of dots, the angle at which rows of dots are placed, and the shape of the dots.
- K**
- Kyocera image refinement** Imaging feature that smoothes the edges of text and vector graphics.
- M**
- Manual duplex** Method for printing on both sides of a sheet when the printing system does not support a duplex unit. After the first half of the print job has been printed, the job can be flipped over and fed from the cassette for the second side printing.
- Monochrome** Imaging mode that uses black toner only.
- MP tray** Source tray used for labels, transparencies, envelopes, and custom printing media.

P

PDF The Adobe portable document format (PDF) is independent of the application software, hardware, and operating system used to create documents, and also of the output device on which they are displayed or printed.

PDL Page Description Language. This is the language used by your computer to tell the printing system how to print a document. Availability of some printing options depends on the selected PDL.

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

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

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

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

R

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

T

Transparency Clear sheet used as printing media.

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

W

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

Index

A

About
 Plug-in **2-12**
 Version **2-11**
About (dialog box) **2-11**
Accessing Printer Properties **2-1**
Add Printer Wizard **1-8**
Administrator Settings **2-3**
 job accounting **2-5**
 password **2-6**
Advanced tab **7-1**
Assembly marks **4-3**
Available device fonts **5-4**

B

Basic Printing Tasks **3-1**
Bitmaps **5-3**
Brightness **5-7**

C

Client Profile **7-13**
Collate **3-6**
Command files **7-1**
Compatibility settings **2-10**
Components, installing **1-6**
Contrast **5-8**
Cover
 printing **6-2**
 printing options **6-2 – 6-3**
 printing with **6-1**
Crop marks **4-3**

D

Data Passthrough **2-9**
Device fonts **5-3**
 disabling **5-4**
Device Options **2-3**
Document image, sizing **3-2**
Document portability **5-5**

E

EcoPrint **5-2**
EMF spooling **7-13**

F

Fast printing **5-5**
Firewall **2-3**
Font Substitution **5-4**
Fonts **5-2**
 native download **5-3**
Found New Hardware Wizard **1-1**

G

GDI compatible mode **2-9**
Graphic Settings **5-4**
Grayscale **5-7**
Gutter **4-3**

H

Halftone Screen **5-6**

I

Imaging **5-1**
Inserting a page **6-3**
Installation **1-1**
Installing Components **1-6**
Installing Optional Devices **2-1**
Inversion Options **5-5**

J

Job Accounting **2-5**
 administrator password **2-6**
 password protect **2-6**

K

KPDL **2-8, 5-5**
 settings **2-8 – 2-9**

Kyocera Image Refinement **5-2**

L

Language Preference Selection **2-7**

Layout **4-1**

License Agreement **1-1**

M

Macros **7-1**

Manual Duplex **3-5**

settings **3-5**

Margins **4-3**

Measurement **2-7**

Media type **3-3**

combinations **6-4**

combined with Source **2-11**

Memory **2-3**

Mirror print **5-5**

Monochrome printers **2-8**

Multiple pages per sheet **4-1**

N

network cable **1-1**

O

Optimization **5-5**

Optional devices, installing **2-1**

Optional Printer Components
installing **1-6**

P

Page Description Language (PDL) Settings **2-8**

Page Insert **6-3**

Page Size **3-2**

Paper Size matching **3-3**

parallel cable **1-1**

Passwords, Security Settings(PDF) **2-10**

Pattern Scaling **5-5**

PCL **2-8**

PCL 5e **2-8**

settings **2-8**

PCL XL **2-8**

PDF **2-9**

Security Settings, passwords **2-10**
settings **2-9**

PDL **2-8**

PDL settings **2-1, 2-8, 5-5**

Plug-in **2-12**

Poster **4-2 – 4-3**

assembly marks **4-3**

crop marks **4-3**

settings **4-2**

Sheets Per Page **4-2**

Sizes **4-2**

PostScript **5-5**

PRESCRIBE **7-1**

Print borders **4-2**

Print Quality **5-1**

Custom settings **5-2**

Printer default settings **2-1**

Printer Properties

accessing **2-1**

Printing

basic tasks **3-1**

covers **6-2**

on paper of non-standard sizes **3-4**

with Custom Paper Sizes **3-4**

Product Library CD **1-7**

Profile **8-1**

Prologue/Epilogue **7-1**

R

Recycled paper **3-2**

Resolution **5-2**

Reverse image **5-5**

S

Scaling **4-3**

Security Watermark **7-7**

Settings

administrator **2-3**

Administrator password **2-6**

compatibility **2-10**

manual duplex **3-5**

PDL **2-1, 2-8**

user **2-7**

Substitute with device fonts **5-3**

System fonts **5-4**

T

Transparency **3-2, 6-5**
Transparency Interleaving **6-5**

U

Unit of Measurement **2-7**
USB **1-1 – 1-2**
User login **2-3**
User Settings **2-7**

- Identification **2-7**
- language preference **2-7**
- measurement **2-7**

V

Version **2-11**
Vista **1-2, 1-5**

W

Watermark **7-4**

- add watermark **7-5**
- additional text options **7-5**
- delete watermark **7-7**
- edit watermark **7-7**
- page selection **7-4**

Windows 2000 **1-1**
Windows Vista **1-2, 1-5**
Windows XP **1-1 – 1-3**

Addresses

KYOCERA MITA EUROPE B.V.

Hacksteen 40, 2132 MS Hoofddorp
The Netherlands
Telephone: +31.20.654.000
Home page: <http://www.kyoceramita-europe.com>
Email: Info @ kyoceramita-europe.com

Kyocera Mita Nederland B.V.
Beechavenue 25, 1119RA Schiphol-Rijk
The Netherlands
Telephone: +31.20.58.77.200

Kyocera Mita (UK) LTD
8 Beacontree Plaza
Gillette Way Reading Berks RG2 0BS
U.K.
Telephone: +44.1189.311.500

Kyocera Mita Italia S.p.A.
Via G. Verdi, 89/91, 20063 Cernusco s/N
Milano, Italy
Telephone: +39.02.92179.1

Kyocera Mita Belgium N.V.
Sint-Martinusweg 199-201, 1930 Zaventem
Belgium
Telephone: +32.2.720.9270

Kyocera Mita France S.A.
Parc Les Algorithmes Saint Aubin
91194 GIF-SUR-YVETTE
France
Telephone: +33.1.6985.2600

Kyocera Mita Espana S.A.
Edificio Kyocera, Avda de Manacor No. 2
28290 Las Matas (Madrid)
Spain
Telephone: +34.91.631.8392

Kyocera Mita Finland OY
Kirvesmiehenkatu 4, 00880 Helsinki
Finland
Telephone: +358.9.4780.5200

Kyocera Mita (Schweiz)
Hohlstrasse 614, 8048 Zurich
Switzerland
Telephone: +41.1.908.4949

Kyocera Mita Deutschland GMBH
Otto-Hahn-Str. 12, D-40670 Meerbusch,
Germany
Telephone: +49.2159.918.0

Kyocera Mita GMBH Austria
Eduard-Kittenberger-Gasse 95,
1230 Wein
Austria
Telephone: +43.1.86338.210

Kyocera Mita Svenska AB
Esbogatan 16B 164 75 Kista
Sweden
Telephone: +46.8.546.55000

Kyocera Mita Norge
Postboks 150 Oppsal, NO 0619 Oslo
Olaf Helsetsvel 6, NO 0694 Oslo,
Norway
Telephone: +47.22.62.73.00

Kyocera Mita Danmark A/S
Ejby Industrivej 1, DK-200 Glostrup
Denmark
Telephone: +45.5687.1100

Kyocera Mita Portugal, IDA.
Rua do Centro Cultural, 41 (Alvalade) 1700-106
Lisbon,
Portugal
Telephone: +351.21.842.9100

Kyocera Mita South Africa (PTY) LTD.
527 Kyalami Boulevard
Kyalami Business Park Midrand
South Africa
Telephone: +27.(0) 11.540.2600

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road
Fairfield, New Jersey 07004-0008
Telephone: (973) 808.8444
Fax: (973) 882.6000

Kyocera Mita Singapore PTE, LTD.
121 Genting Lane, 3rd Level
Singapore 349572
Telephone: 67418733

Kyocera Mita Australia Pty, LTD.
Level 3, 6-10 Talavera Road, North Ryde,
N.S.W. 2113 Australia
Telephone: (02) 9888.9999

Kyocera Mita New Zealand, LTD.
1-3 Parkhead Place, Albany
P.O. 302 125 NHPC
Auckland, New Zealand
Telephone: (09) 415.4517

Kyocera Mita (Thailand) Corp., LTD.
9/209 Ratchada Prachachem Road
Bang Sue, Bangkok 10800, Thailand
Telephone: (02) 586.0320

KYOCERA MITA Corporation

2-28 1-chome, Tamatsukuri, Chuo-ku
Osaka 540-8585, Japan
Telephone: (06) 6764.3555
Email: <http://www.kyoceramita.com>

KYOCERA MITA AMERICA, INC.

Headquarters:
225 Sand Road
Fairfield, New Jersey 07004-0008
Telephone: (973) 808.8444
Fax: (973) 882.6000

New York Branch:
1410 Broadway 23rd Floor
New York, NY 10018
Telephone: (917) 286.5400
Fax: (917) 286.5402

Northeastern region:
225 Sand Road
Fairfield, New Jersey 07004-0008
Telephone: (973) 808.8444
Fax: (973) 882.4401

Midwestern region:
201 Hansen Court, Suite 119
Wood Dale, Illinois 60191
Telephone: (630) 238.9982
Fax: (630) 238. 9487

Kyocera Mita Hong Kong, LTD.
11/F Mita Centre
552-566, Castle Peak Road
Tsuen Wan, New Territories,
Hong Kong
Telephone: 24297422

Kyocera Mita Taiwan Corporation
7F-1-2, No. 41, Lane 221, Gangchi Road
Neihu District, Taipei, Taiwan, 114, R.O.C.
Telephone: (02) 87511560

Southeastern region:
1500 Oakbrook Drive
Norcross, Georgia 30093
Telephone: (770) 729.9786
Fax: (770) 729.9873

Southwestern region:
2825 West Story Road
Irving, Texas 75038-5299
Telephone: (972) 550.8987
Fax: (972) 252.9786

**National Operation Center &
National Training Center:**
2825 West Story Road
Irving, Texas 75038-5299
Telephone: (972) 659.0055
Fax: (972) 570.5816

Latin America region:
8240 N.W. 52nd
Terrace Dawson Building - Suite 108
Miami, Florida 33166
Telephone: (305) 421.6640
Fax: (305) 421.6666

Western region:

14101 Alton Parkway
Irvine, CA 92618-7006
Telephone: (949) 457.9000
Fax: (949) 457.9119

KYOCERA MITA CANADA, LTD.

6120 Kestrel Road, Mississauga,
Ontario L5T 1S8, Canada
Telephone: (905) 670.4425
Fax: (905) 670.8116

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

Av. 16 de Septiembre #407
Col. Santa Ines
Azcapotzalco Mexico,
D.F. 02130, Mexico
Telephone: (55) 5383.2741
Fax: (55) 5383.7804
