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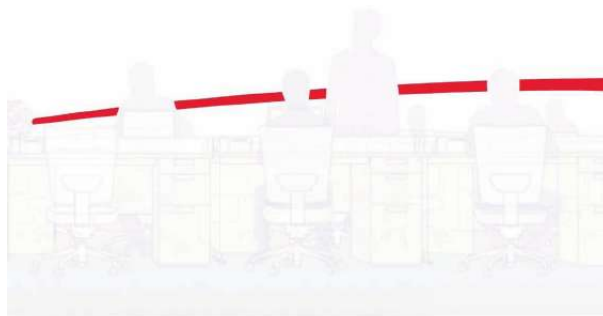
You can read the recommendations in the user guide, the technical guide or the installation guide for KYOCERA FS-4020DN. You'll find the answers to all your questions on the KYOCERA FS-4020DN in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KYOCERA FS-4020DN
User guide KYOCERA FS-4020DN
Operating instructions KYOCERA FS-4020DN
Instructions for use KYOCERA FS-4020DN
Instruction manual KYOCERA FS-4020DN



FS-2020D/FS-3920DN/FS-4020DN
Printer Driver

User Guide



[You're reading an excerpt. Click here to read official KYOCERA FS-4020DN user guide](http://yourpdfguides.com/dref/3409423)
<http://yourpdfguides.com/dref/3409423>

Manual abstract:

KPDL is a trademark of Kyocera Corporation. PCL is a trademark of Hewlett-Packard Company. 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 Windows XP printing environment. Essentially the same operations are used for Microsoft Windows 7, Windows Vista, Windows Server 2003, Windows Server 2008 and Windows 2000 environments. User Interface screen captures shown in this guide may differ depending on your printing device. Models supported by the KX printer driver FS-2020D FS-3920DN FS-4020DN Copyright © 2010 KYOCERA MITA Corporation All rights reserved. Table of Contents Chapter 1 Installation Preparing to Install the Driver ..

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... v iv User Guide 1 Installation A printer driver is an application that manages communication between a printer and your computer. Once installed, the printer driver settings must be configured in the printer Properties and Printing Preferences. Note: In Windows operating systems, you must be logged in with administrator rights to install the printer driver. If you connect a USB (Universal Serial Bus) cable before printer driver installation, it is strongly recommended that you cancel the Found New Hardware Wizard and install the software through the Product Library CD menu. Browsing the CD and installing each driver separately is not recommended. Preparing to Install the Driver This section describes the initial steps to take before you install the printer driver, and based on your operating system, the next procedure you can follow. 1 2 Turn on the computer and the printer.

If you have a USB connection, the Windows Found New Hardware Wizard appears. Click Cancel. Insert the Product Library CD into the CD drive. After the installation wizard begins, the Main Menu appears. Note: If the Product Library fails to start after inserting the Product Library CD into the CD drive, use Windows Explorer to locate Setup.exe on the local drive and double-click to open. 3 4 5 Click View License Agreement to read the license agreement. Click Accept to proceed. To begin the installation, click Install Software. Note: If the Windows Security warning dialog box appears at any point during the installation process, click Install this driver software anyway.

6 The Installer wizard appears with several installation methods displayed. Selecting an Installation Method The installation differs based on your operating system and connection method. Select your operating system and connection method from the following list and proceed to the reference page to continue the installation. Express Installation KX DRIVER 1-1 Installation Installing in Express Mode on page 1-2 Custom Installation Installing in Custom Mode with a USB Connection on page 1-4 Installing in Custom Mode with a Network Connection on page 1-5 Installing in Custom Mode with a Parallel Connection on page 1-6 Note: KPrint installs a client port monitor that lets Windows TCP/IP print from any network card connected to a printing system. KPrint supports LPR and IPP printing.

For the KPrint Installation instructions, refer to your Product Library CD.



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KPrint uses a stand-alone installer. Installing Utilities On the Installation Method screen, click Utilities to install printer utilities. You can also select utilities to install during the Custom Installation procedure. Upgrading Driver Components If the installation wizard detects older driver or utility components, the Software Component Upgrade page appears.

1 2 3 Choose the component to upgrade. Click Next. Confirm your upgrade settings. To start the upgrade, click Upgrade. When the upgrade completes, click Next. The Installation Method page appears. Express Installation Express Mode applies to driver installation for a USB or network connection only. The installation wizard discovers printers that are turned on, and connected by USB and network cable. In Custom Mode, you are able to select the installation packages and specify the port. Installing in Express Mode This section describes the express installation procedure of the driver software in Windows operating systems.

1 Ensure that your printer and computer are turned on and connected by USB or network cable. Note: If the Found New Hardware Wizard dialog box appears during the installation process, click Cancel. If the Hardware Installation warning dialog box appears, click Continue Anyway. 2 3 On the Installation Method page, click Express Mode. The Discover Printing System page opens to search for your printer. If Discover does not find your printing system, a message appears. Remove and reinsert the USB or network cable, and ensure it is connected properly. Click User Guide 1-2 Installation Refresh to retry the discovery. If the system still cannot find your printer, contact your system administrator. If Discovery finds your printer, click the printer name to select it.

4 5 6 Select Use host name for port name to use a host name for the Standard TCP/IP port. If the installation wizard still displays the IP address, contact your system administrator. (Not available with a USB connection.) Click Information if you want to open a dialog box with details about IP Address, Host Name, Printer Model, Contact, Location, and Serial Number. Click OK.

Click Next. (Not available with a USB connection.) On the Printer Settings page, you can assign a name to the printing system. 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 8 On the Confirm Settings page, click Install if the settings are correct. Click Back to correct the settings. The Installation Completed page appears displaying the following driver options. Print a test page This selection verifies a connection with the printer and creates a print out of the installed driver components. Show Quick Print Tab This selection lets you define basic print options into group profiles that can be accessed easily. The Show Quick Print tab option also appears in the Administrator Settings in the Device Settings tab. Enable Status Monitor The Status Monitor displays system status messages on your computer screen during printing tasks. The Status Monitor button appears on the Advanced tab. Device Settings Select Device Settings to open the Device Settings tab where you can choose installed options for your printing system. (In Windows 7, Windows Vista, or with a USB connection, the Device Settings check box is not displayed).

When the installation completes successfully, click Finish to exit the installation wizard and return to the Product Library CD menu. Software installation failures generate the following message: One or more software installations have failed. Click Finish, and retry the installation. If the same message appears again, contact your system administrator. The installation of the printer is now complete. If prompted, restart your computer. KX DRIVER 1-3 Installation Custom Installation Custom Mode is an option to install utilities. You can specify the printer port, fonts, and the utilities you want to install. Printer drivers that ship with Windows operating systems are called minidrivers. The minidriver is available separately for PCL and KPDL and provides basic support for your printer.

The KX XPS DRIVER and XPS minidriver is only available for printing systems used with Windows 7 and Windows Vista. The XPS driver is discussed in the Device Settings chapter. Minidriver functionality is not documented in this user guide. Installing in Custom Mode with a USB Connection This section describes the custom installation procedure of the driver software in Windows operating systems using a USB connection. 1 2 3 Ensure that your printer and computer are turned on and connected using a USB cable.

On the Installation Method page, select Custom Mode. The Discover Printing System page appears displaying Discover selected. You can use this option, or the Custom select option. With the Discover option, you can let the system find all the devices available for driver installation. If you use this option, proceed to step 4.

With the Custom select option, you can choose the printing system and printer port to install. Proceed to step 6. If Discover does not find your printing system, a message appears. Ensure that your printer is properly connected by the correct cable and is turned on, and then close the message box. Remove and reinsert the USB cable to your computer and retry the discovery. Contact your system administrator if the system cannot find your printer. 4 5 6 7 8 If Discover finds one or more USB printing systems, select your model from the list. Click Next. On the Custom Installation page, select the driver and software packages you want to install from the Driver and Utility tabs, and clear those not intended for installation. Click Next.

Proceed to step 10. On the Printing System page, select your model, and then click Next. On the Printer Port page, select the port connected to your printing system. Click Next. On the Custom Installation page, select the driver and software packages you want to install from the Driver and Utility tabs, and clear those not intended for installation. Click Next. 1-4 User Guide Installation 9 10 On the Printer Settings page, you can assign a name for the printing system.

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. On the Confirm Settings page, click Install if the settings are correct.

Click Back to correct the settings. Note: If the Hardware Installation warning dialog box appears, click Continue Anyway. 11 The Installation Completed page appears displaying the following driver options. Print a test page This selection verifies a connection with the printer and creates a print out of the installed driver components. Show Quick Print Tab This selection lets you define basic print options into group profiles that can be accessed easily.

The Show Quick Print tab option also appears in the Administrator Settings in the Device Settings tab.



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Enable Status Monitor The Status Monitor displays system status messages on your computer screen during printing tasks. The Status Monitor button appears on the Advanced tab. When the installation completes successfully, click Finish to exit the installation wizard and return to the Product Library CD menu. Software installation failures generate the following message: One or more software installations have failed.

Click Finish, and retry the installation. If the same message appears again, contact your system administrator. The installation of the printer is now complete. If prompted, restart your computer. *Installing in Custom Mode with a Network Connection* This section describes the custom installation procedure of the driver software in Windows operating systems using a network connection. 1 2 3 Ensure that your printer and computer are connected to a network. On the Installation Method page, select Custom Mode. The Discover Printing System page appears displaying Discover selected. For an Express Installation, you can let Discover find your printing system, and proceed with the steps in Express Installation. Otherwise, you can choose Custom select, and click Next to continue with a custom installation.

On the Printing System page, select the model, and then click Next. 4 KX DRIVER 1-5 Installation 5 6 7 8 On the Printer Port page, select the port connected to your printing system, or add a port connected to your system by clicking Add Port. Click Next. On the Custom Installation page, select the driver and software packages you want to install from the Driver and Utility tabs, and clear those not intended for installation. Click Next. On the Printer Settings page, you can assign a name for the printing system. 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. On the Confirm Settings page, click Install if the settings are correct. Click Back to correct the settings.

Note: If the Hardware Installation warning dialog box appears, click Continue. 9 The Installation Completed page appears displaying the following driver options. Print a test page This selection verifies a connection with the printer and creates a print out of the installed driver components. Show Quick Print Tab This selection lets you define basic print options into group profiles that can be accessed easily. The Show Quick Print tab option also appears in the Administrator Settings in the Device Settings tab.

Enable Status Monitor The Status Monitor displays system status messages on your computer screen during printing tasks. The Status Monitor button appears on the Advanced tab. Device Settings Select Device Settings to open the Device Settings tab where you can choose installed options for your printing system. (In Windows 7 and Windows Vista, the Device Settings check box is not displayed.) When the installation completes successfully, click Finish to exit the installation wizard and return to the Product Library CD menu.

Software installation failures generate the following message: One or more software installations have failed. Click Finish, and retry the installation. If the same message appears again, contact your system administrator. The installation of the printer is now complete. If prompted, restart your computer.

Installing in Custom Mode with a Parallel Connection This section describes the custom installation procedure of the driver software in Windows operating systems using a parallel connection. 1-6 User Guide Installation 1 2 3 4 5 6 7 Ensure that your printer and computer are turned on and connected using a parallel cable. On the Installation Method page, select Custom Mode. The Discover Printing System page appears displaying Discover selected. Check the Custom select option, and click Next.

On the Printing System page, select your model, and then click Next. On the Printer Port page, select the local port connected to your printing system. Click Next. On the Custom Installation page, select the driver and software packages you want to install from the Driver and Utility tabs, and clear those not intended for installation. Click Next. On the Printer Settings page, 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. On the Confirm Settings page, click Install if the settings are correct.

Click Back to correct the settings. Note: If the Hardware Installation warning dialog box appears, click Continue Anyway. 8 9 The Installation Completed page appears displaying the following driver options. Print a test page This selection verifies a connection with the printer and creates a print out of the installed driver components. Show Quick Print Tab This selection lets you define basic print options into group profiles that can be accessed easily.

The Show Quick Print tab option also appears in the Administrator Settings in the Device Settings tab. When the installation completes successfully, click Finish to exit the installation wizard and return to the Product Library CD menu. Software installation failures generate the following message: One or more software installations have failed. Click Finish, and retry the installation. If the same message appears again, contact your system administrator.

The installation of the printer is now complete. If prompted, restart your computer. KX DRIVER 1-7 Installation Optional Printer Components You can expand the functionality of your printer driver by installing optional components from the Product Library CD > Advanced Tools menu. Installing Optional Printer Components 1 2 3 4 5 6 On the Product Library CD menu, select Advanced Tools. On the Advanced Tools page, select Optional Printer Components. Select a printer, and click Next to install optional components. On all Select pages, choose your components, and click Next. On the Confirm Settings page, if the displayed settings are correct, click Install. Click Back to correct any settings. The Printer Components Installation Completed page appears.

Click Finish. When you have completed installing printers and optional components, if prompted, restart your computer. *Adding a Printer Driver Through the Wizard* The Add Printer Wizard displays a series of screens that guide you through printer installation. You are prompted to make installation choices on each screen. *Installing a Printer Driver in Windows 7 and Windows Vista* This section describes how to install a printer driver using the Add Printer Wizard in Windows 7 and Windows Vista. 1 2 3 Click Start and click Devices and Printers (Windows 7), or click Control Panel and double-click Printers (Windows Vista). Click Add a printer. The Add Printer Wizard appears. The wizard provides you with step by step driver installation instructions.



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Click either *Add a local printer* or *Add a network, wireless or Bluetooth printer*.

Follow the instructions on each page, then click *Next* to proceed to the next page. Note: If the *Windows Security* warning dialog box appears, click *Install this driver software anyway*. 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*. 1-8 *User Guide* *Installing a Printer Driver in Windows XP and Windows 2000* This section describes how to install a printer driver using the *Add Printer Wizard* in *Windows XP* and *Windows 2000*. 1 2 3 Click *Start* and *Printers and Faxes*. Click *Add a printer*. 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 computer. *Printer Driver Settings* Access The printer driver software can be accessed from the *Print* dialog box of an application, or from *Start*. If accessed from an application, then changes made to driver settings remain in effect until the application ends. If accessed from *Start*, changes are maintained as the default printer settings.

Changing the Default Driver Settings The *Reset* button is only available when you access *Preferences* or *Properties* from the *Print* dialog box of an application. Default driver settings apply to printing jobs initiated from any application, but they are overridden by setting changes made within each application. 1 2 3 Click *Start* and click *Devices and Printers* (*Windows 7*), or click *Control Panel* and double-click *Printers* (*Windows Vista*), or *Printers and Faxes* (*Windows XP*). Right-click on your printing system icon. Click *Printing Preferences*. *KX DRIVER* 1-9 2 *Device Settings* In the *Device Settings* tab, you can select installed printing system options so the associated features can be used with the printer driver. You can also match the memory setting in the driver with the memory installed in your printing system, which lets the driver manage font downloads more efficiently. *Administrator*, *User*, *PDL* (*Page Description Language*), and *Compatibility* settings can also be selected. Accessing the *Device Settings Tab* The *Device Settings* tab can be accessed from *Devices and Printers* (*Windows 7*), *Printers* (*Windows Vista*), or *Printers and Faxes* (*Windows XP*) folder. 1 2 3 4 Click *Start* and click *Devices and Printers* (*Windows 7*), or click *Control Panel* and double-click *Printers* (*Windows Vista*), or *Printers and Faxes* (*Windows XP*).

Right-click on the desired printing system model. Click *Printer properties* (*Windows 7*) or *Properties* (*Windows Vista, Windows XP*). Click the *Device Settings* tab. 2-1 *User Guide* *Device Settings* *Device Options* Optional devices extend the capabilities of your printing system for source and job storage. In a client/server environment, this feature is unavailable to a client logged in as a restricted user.

Setting Device Options You can set the printer driver to match the optional devices installed on your printing system. 1 2 In the *Printer Properties* dialog box, click the *Device Settings* tab. In *Device Settings* > *Device options*, select the check boxes for all installed devices. *Setting up Custom Boxes* You can create up to 1000 custom boxes for storing print jobs. Custom boxes can be assigned to users who can print the jobs later from the printing system's operation panel.

Note: Custom box is not available for some models. 1 2 3 In the *Device Settings* tab, select *Hard disk*. Or if already selected, double-click *Hard disk*. In the *Hard Disk Settings* dialog box, click *Add*. A new *Box number* and *Box name* appear in the *Defined custom boxes* list. In the *Defined custom boxes* list, a new *Box number* and *Box name* appear. If desired, change the number and name in the *Box number* and *Box name* boxes. The number must be within a range of 1 to 1000, and the name length can be up to 32 characters. You can also type a user name up to 20 characters. Note: *Shared box* is selected by default, to enable all network users to save jobs in the box.

4 5 To require users of a shared box to type a password before printing, select *Require password*, and type a password up to 16 characters. Click *OK* in the *Hard Disk Settings* and *Properties* dialog boxes. The new custom box appears in the *Custom Box* dialog box when printing. You can remove a custom box by selecting it in the *Defined custom boxes* list and clicking *Delete*. You can import a custom box list by clicking *Import* and browsing for a valid custom box list file (.CSV or .KXU). You can save the current custom box list (.CSV or .KXU) in your computer or network by clicking *Export*.

A saved list can be imported into another printer driver. *KX DRIVER* 2-2 *Device Settings* *Auto Configure* *Auto Configure* detects the devices installed on the printing system if it is connected over a network. When your computer is connected to the printing system through a *TCP/IP* port, the *Auto Configure* button appears in the *Device Settings* tab. *Auto Configure* updates the *Device options* list and preview images to keep the printer driver consistent with the printing system configuration. Not all installed devices are detected by using *Auto Configure*.

Before selecting *OK* in the *Device Settings* tab, check the settings to make sure that they are correct. Note: The default setting for *Windows XP Service Pack 2* is for the *Windows Firewall* to be set to *On*. The setting can be changed to allow communication between the printing system and your computer. In the *Windows Security Alert* dialog box, click *Unblock*. *Silent Auto Configure* *Silent Auto Configure* checks the printing system every 10 minutes for changes in optional devices or memory.

When a change is detected, the driver is automatically updated with the new settings. *Silent Auto Configure* is only available for printing systems installed in *Windows 7* or *Windows Vista*. In a client/server environment, this feature is unavailable to a client logged in as a restricted user. *Enabling Auto Configuration* The *Auto Configure* button can be used to detect all available device options when the printing system is connected to a network through a *TCP/IP* port. 1 2 Verify that all optional devices are attached to the printing system, and that it is turned on and ready to print. In the *Device Settings* tab, click *Auto Configure*. In *Windows XP* and *Windows 2000*, the driver settings are updated immediately. In *Windows 7* and *Windows Vista*, the *Auto Configure* dialog box opens.



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Select from Auto configure options: Auto Configure Now Click the button at any time to retrieve the current settings from the printing system. It is recommended to do this when the driver is first installed and when Silent auto configuration is turned off.

Silent auto configuration Select to let the driver check the printing system every 10 minutes for any changes in optional devices or memory. When a change is detected, the driver is automatically updated with the new settings. **Memory** Memory is the amount of standard and optional memory installed in the printing system. To maximize the downloading of printing system fonts, the driver must be set to match the total printing system memory. 2-3 **User Guide Device Settings Setting the Memory** By default, the Memory setting matches the standard memory in the printing system. If optional memory is installed, set the memory in the printer driver to match the total amount of memory. 1 2 **Install optional DIMM memory in the printing system.** In Device Settings, at the Memory text box, type or select the amount of total installed memory by clicking the up and down arrows until the text box shows the correct number of megabytes (MB). You can use the Auto Configure feature to obtain memory information from the printing system. **RAM Disk** The RAM disk functions as a virtual hard disk, saving print requests into the printing system's memory.

Because the RAM disk is temporary memory, all data stored there is lost when the power is turned off. In a client/server environment, this feature is unavailable to a client logged in as a restricted user. Note: When a hard disk is installed, the RAM disk feature is inactive. If selected, the Ignore application collation feature in the Compatibility Settings dialog box lets the driver control collation. RAM disk can then increase the print speed of collated multiple copies by sending the print job just once.

Setting RAM Disk Setting the RAM disk lets you save print requests into the printing system's memory if a hard disk is not installed. 1 2 3 In Device Settings, in the Device options list, select RAM disk. At the RAM disk text box, type or select the size of the RAM disk by clicking the up and down arrows until the text box shows the correct number of megabytes (MB). At the printing system's operation panel, turn on RAM disk and set its size. The maximum RAM disk size depends on the amount of installed memory.

Administrator Settings Administrator Settings lets you set options, varying by your model, that include controlling accessibility, displaying features in the interface and setting a password to control access to the Administrator Settings options. In a client/server environment, this feature is unavailable to a client logged in as a restricted user. **KX DRIVER 2-4 Device Settings Job Accounting** Job accounting gives an administrator the ability to control usage of a printing system. With Job accounting, you can assign account IDs (identification numbers) to users or departments, a specific account ID, or make account ID input mandatory for printing. After account IDs are created, you can view from the printing system operation panel the number of copies associated with a specific ID as well as limit the number of copies for individual IDs. Account IDs can be up to 8 digits. Note: Job accounting must be set to On at the printing system. A maximum of 100 account IDs can be assigned at the printing system and stored in the printer driver. **Job Accounting Options** Job accounting supports the following options: **Use specific account ID** Select this option to track the print jobs of a user or group with an account ID. It sends the account ID with each print job.

An administrator can restrict a user or group from changing their account ID by using the Password protect administrator settings in the Administrator Settings dialog box. **Prompt for account ID** Select this option to track the print jobs of a user or group with an account ID as well as prompt for an account ID. At the time a print job is sent, the user is prompted to enter a Job Accounting ID. **Prompt for account ID and validate** Select this option to prompt for 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. If typed incorrectly, you are prompted to type it again. **Display account ID list** Select this option to display the account ID list at the time of printing. The print job can be assigned to a user or group. The account ID list is stored in the driver and more than one ID must be established for the list to appear.

Account ID List Select this option to display the account ID to manage the Account ID list. Add, edit or delete account IDs from the list stored in the driver. Account IDs descriptions match the user or group with an account ID. 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 open it. **Printing with Job Accounting** After account IDs are assigned and Job accounting is set to On at the printing system, the number of pages printed is added to the selected account ID total. 1 2 3 In the Device Settings tab, click Administrator. In the Administrator Settings dialog box, select Job accounting. Select a Job accounting option: **Use specific account ID** **Prompt for account ID** 2-5 **User Guide Device Settings** The remaining Job accounting options become available when you create an account ID list.

Note: If you select the Use specific account ID or Prompt for account ID option, proceed to step 6. 4 5 **Select Account ID List** to create and manage account ID lists. Select from the remaining Job accounting options: **Prompt for account ID and validate** **Display account ID list** 6 7 8 **Click OK** in all dialog boxes. Print the document from the application. For some options, when the Print Options dialog box appears, type or select an account ID, and click OK. **Show Quick Print Tab** This option lets you control the display of the Quick Print tab. You can define basic print options into group profiles that can be accessed quickly and easily. With a cleared Show Quick Print tab check box, the tab does not appear in the Printing Preferences dialog box. With a selected Show Quick Print tab check box, the tab appears in the Printing Preferences dialog box. When you select the Show Quick Print tab check box, you can also access the other two check boxes, Hide other tabs, and Set Quick Print tab as default.

Selecting Hide other tabs displays only the Quick Print tab to the user. Selecting Set Quick Print tab as default opens to this tab when you access Printing Preferences. **Lock Security Settings** If the Security Watermark plug-in is installed, Lock Security Settings appears in the Administrator Settings dialog box. The administrator can ensure that a security watermark is printed on all jobs by locking this feature.



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Administrator Password You can set Password protect administrator settings in the Administrator Settings dialog box to prevent unauthorized changes in this dialog box. When selected, this setting prompts you to enter a password and confirm the password. This password protection blocks access to all Administrator Settings options. Setting the Administrator Password 1 In Device Settings > Administrator Settings, select Password protect administrator settings. KX DRIVER 2-6 Device Settings 2 In the Password dialog box, enter a password, using at least 4 and no more than 16 characters. Reenter the password in Confirm password and click OK.

Clearing the Administrator Password 1 2 3 4 In the Device Settings tab, click Administrator. In the Enter Password dialog box, type the password and click OK. In the Administrator Settings dialog box, clear the Password protect administrator settings check box. Click OK. SNMP Simple Network Management Protocol (SNMP) is a set of rules that govern the management of network devices, such as printing systems.

SNMP settings determine the level of security when using the Auto Configure feature, and prevent unauthorized printing to the SNMPv3 printing system. SNMP settings must be set in the printer driver and in the printing system's Command Center. The following SNMP options are available: SNMPv1/v2c This option ensures successful Auto Configure communication using Read community name and Write community name. SNMPv3 This option ensures secure Auto Configure communication using a user name and password. Authentication and privacy options are available by selecting Settings.

Apply to other models This option displays a list of installed printing systems to apply the selected SNMP settings. SNMPv3 Options You can select SNMPv3 options for secure communication with the printing system. Authentication This option provides an algorithm to check that a transferred file has arrived intact. Message Digest 5 (MD5) and Secure Hash Algorithm 1 (SHA1) are hash algorithms used to authenticate packet data. MD5 This option provides a cryptographic hash function with a 128bit hash value. It adds security and protection against Gateway Load Balancing Protocol (GLBP)-spoofing software.

SHA1 This option produces a message digest that is 160 bits long. SHA1 is the successor to MD5. Privacy This option uses encryption for secure communication. It is available after you select the Authentication option.

You may select one privacy option. 2-7 User Guide Device Settings DES This option uses the Data Encryption Standard for encryption. DES turns cleartext into ciphertext via an encryption algorithm. It encrypts and decrypts data using 8-byte blocks and a 56-bit key. AES This option uses the Advanced Encryption Standard for encryption. AES is a symmetric block cipher that can process data blocks of 128 bits, using cipher keys with lengths of 128, 192, and 256 bits. It is more secure than DES. Selecting SNMP Settings SNMP settings in the driver must be set to match the settings in the printing system's Command Center. 1 2 In Device Settings > Administrator, click SNMP Settings. Select SNMPv1/v2c or SNMPv3.

For SNMPv1/v2c, type the Read community name and Write community name, up to 32 characters, and click OK. For SNMPv3, type a User name up to 32 characters, and a Password from 8 to 32 characters. 3 4 5 6 User Settings To set authentication and privacy options for SNMPv3, click Settings. In the SNMPv3 dialog box, select from the available options. Click OK in the SNMPv3 dialog box.

Optional: You can click Apply to other models and select from available models. The SNMP settings are applied to all selected models. User Settings lets you specify user and department names, select the default unit of measure, and change the driver display language. In a client/server environment, this feature is unavailable to a client logged in as a restricted user. Identification Identification lets you identify your print job with a User name and Department name, up to 31 characters.

The User name can be used to identify a print job stored on the hard disk. Setting User Identification You can type User name and Department information to be used with the Job Storage (e-MPS) feature. 1 2 KX DRIVER In Device Settings > User, type your preferred name in the User name text box. Type your department or group name in Department text box. 2-8 Device Settings You can type up to 31 characters in the User name and Department text boxes. Units You can set Inches or Millimeters as the unit of measurement. This is used for the following settings: Custom page size setting in the Page Sizes dialog box in the Basic tab. Spacing setting in the Watermark Add and Edit dialog boxes in the Advanced tab. Poster settings and Gutter settings in the Layout tab. Selecting a Unit of Measurement You can select a unit for displaying measurements in the user interface.

1 2 In the Device Settings tab, click User. Select 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. Setting Language Preference You can select a user interface language. 1 2 In Device Settings > User, select the desired language from the Select language list. Click OK in the User Settings and Properties dialog boxes. PDL (Page Description Language) A Page Description Language (PDL) specifies the contents and layout of a printed page. In the Device Settings tab, you can choose from PCL XL, (Printer Command Language XL), PCL 5e, KPDL (an emulation of PostScript printing), or PDF (Portable Document Format). The printer default is PCL XL, which is suitable for most printing purposes.

If the XPS driver is installed, then XPS is the only PDL option. After you select a PDL, the selection appears in the lower corner of the Preview image. In GDI compatible mode, vector graphics are rasterized for printing as bitmap images. Use the GDI compatible mode option to improve the output quality of the graphic created by the application. Note: To add PDF to the list of PDL choices, you must install the Output to PDF plug-in.

In a client/server environment, this feature is unavailable to a client logged in as a restricted user. 2-9 User Guide Device Settings PDL Options The PDL options, available in the PDL Settings dialog box, are accessed in Device Settings. PCL XL The most recent version of HP PCL and PCL 6. This PDL includes PCL 5e features. PCL XL lacks backward compatibility with earlier PCL versions, though it is enhanced over PCL 5e in these areas: Reduced file size Better print speed Faster return to application PCL 5e Fully compatible with earlier PCL versions Bidirectional communication support Wide selection of fonts for use with Microsoft Windows applications Complex graphics might not print as well KPDL KPDL is used when printing from applications that support PostScript 2 or 3.



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An 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 PDF Output to PDF is a plug-in that lets you print or save documents from multiple sources to Adobe Portable Document Format (PDF). The PDF format is independent of the operating system and application software used to create documents. Note: With PDF selected as the PDL, only a limited set of driver options is available. 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. Selecting PDL Options You can select a Page Description Language from PDL options. 1 2 KX DRIVER In Device Settings > PDL, select the desired Page Description Language from the Select PDL list. Select the GDI compatible mode option to improve the output quality of graphics created by your application. 2-10 Device Settings 3 Settings is available when the PDL is set to KPDL or PDF. If you select KPDL as the PDL, you can click Settings to open the KPDL Settings dialog box.

Select the Allow data passthrough check box to reduce errors when printing complex jobs from applications that use PostScript formatting. Note that if you select Allow data passthrough, EMF spooling is not available in the Advanced tab. If you select PDF as the PDL, you can click Settings to open the PDF Settings dialog box. 4 Click OK in the PDL Settings dialog box. PDF Output to PDF is a plug-in feature that lets you print and save documents from multiple sources to Adobe PDF. This feature can be used 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 Adobe® Reader® on Windows, Mac OS®, and UNIX® platforms. For a document using mixed paper sizes, all pages in the PDF use the size of the first page. Note: With PDF selected as the PDL, only a limited set of driver options are available. PDF Options You can select PDF options if you have installed the Output to PDF plug-in.

The PDF Settings dialog box contains the following options: PDF Settings Embed fonts This option ensures that document fonts appear accurately in the PDF file on screen. This option ensures accurate reproduction but significantly increases the file size. Compress data This option enables flat compression for the generated PDF document. This option significantly reduces the file size. Additional compression options are available within Adobe Acrobat.

Security This option applies encryption to the PDF document. Click Settings for additional Security settings. See the next section for details. Print and save This option lets you print and save a document as a PDF file. Click Settings for additional Print and save settings.

Security Settings This option lets you select an encryption level and create passwords for the generated PDF file. The following security options are available:

Encryption 2-11 User Guide Device Settings Encryption provides password protection so that a document cannot be opened or altered by unauthorized users 40 Bit This encryption option provides low level security for a PDF document. It is supported for earlier versions of Adobe Acrobat and Adobe Reader 3.0 - 4.x. 128 Bit This encryption option provides high level security for a PDF document. It is supported for Adobe Acrobat and Adobe Reader 5.0 or later.

Passwords Select passwords for changing security settings and for opening a document. Passwords are supported up to 16 characters in length.

Require password to change security settings Type an Owner password. Within Adobe Acrobat, this password is required to change the document restrictions in the Files > Properties > Security section. Require 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. Print and Save Settings This option lets you print and save a document as a PDF file. Save to file only A PDF file is created and saved locally. Save to file and print A PDF file is created, saved locally, and sent to print. After you select between these two options, you can choose the following option: Automatically save to default file A PDF file can be saved automatically as a default file to be used again. You can then select from the following options: Replace default file This option lets you rename the default file name.

Use default file + date and time This option lets you use the default name and add a date and time stamp each time the document is saved. Default file directory This option lets you browse to a location to save your PDF. Printing and Saving to PDF You can print a document and save it to Adobe PDF, if you have installed the Output to PDF plug-in. 1 Click Start and click Devices and Printers (Windows 7), or click Control Panel and double-click Printers (Windows Vista), or Printers and Faxes (Windows XP). KX DRIVER 2-12 Device Settings 2 3 4 5 6 7 8 9 10 11 XPS Driver Right-click on the desired printing system model.

Click Printer properties (Windows 7) and the desired printing system model, or Properties (Windows Vista, Windows XP). Click the Device Settings tab and click PDL. In the PDL Settings dialog box, in the Select PDL list, select PDF. Click Settings. In the PDF Settings dialog box, select Print and save.

Click Settings, and select from print and save options. See the PDF Options topic for details. Click OK in all dialog boxes. Open and print the document. Name and save the PDF file. For Windows 7 and Windows Vista, the XML Paper Specification (XPS) Page description language provides the most efficient method for displaying, processing, and printing documents. As both a PDL and a document format, XPS requires compatible printer hardware and software written for the Windows Presentation Foundation (WPF) architecture. PCL and KPDL are not compatible with an XPS environment. Therefore, an XPS driver supports a single PDL setting. The XPS driver can be installed from the Product Library CD.

In the Installation Method menu, click Custom Mode, and on the Custom Installation screen, select KX XPS DRIVER. To view a print to file XPS document, download and install the Microsoft XPS Viewer. Compatibility Settings Compatibility Settings lets you specify media source values, disable reverse order printing for face-up output, override the application's Collate setting, and combine the Source and Media type lists in the Basic tab. In a client/server environment, this feature is unavailable to a client logged in as a restricted user. Media Source Enumeration Media source enumeration supports compatibility for media source values unique to the printer driver, such as those for cassettes or feeders.



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Your newly installed printer driver maintains identical media source support with the driver it replaces, whether for this driver or one from another manufacturer. If media 2-13 User Guide Device Settings source macros exist for the older driver, then the alignment of media source values maintains support without the need to change the macros. Setting Media Sources Use the Driver Info utility (\Utility\Driver Info\DrvInfo.exe) to compare the source values for all installed drivers. If the values for a given media source differ between printer drivers, you can reassign an enumerated value to create a match between the drivers.

1 2 3 In the Device Settings tab, select Compatibility. From the Media source enumeration list, select the paper supply method. The current value is listed in the Enumerated value box. Type an Enumerated value for the media source, and click Apply. To align settings with a different driver, this value should align with those in the other driver.

You can restore all the options in Compatibility Settings to the default by clicking Reset. Disable Face-Up Reverse Page Order With Disable face-up reverse page order selected, the face-up job produces the first page on top and the last page on the bottom. With the check box selected, face-up reverse page order is disabled. With the check box cleared, the default reverse page order is enabled. Note: Disable face-up reverse page order is not available for some models. Ignore Application Collation This option bypasses the Collate setting in software applications, and gives priority to the printer driver setting. With the check box selected, the printer driver Collate setting is used. With the check box cleared, the application Collate setting is used. Selecting Printer Driver Collation You can ignore the collation setting in the application and use the printer driver collation setting. 1 2 In the Device Settings tab, select Compatibility. Select Ignore application collation. You can restore all the options in Compatibility Settings to the default by clicking Reset. Combine Source and Media Type Lists You can change the driver's Basic tab so that Media type and Source are combined into one list, labeled Source. In the combined list, Media types are listed first, followed by cassettes and MP tray. KX DRIVER 2-14 Device Settings Creating a Combined Source List You can combine the Source and Media type lists in the Basic tab, to make one Source list.

1 2 In the Device Settings tab, select Compatibility. Select Combine source and media type lists. You can restore all the options in Compatibility Settings to the default by clicking Reset. Removing a Plug-in You can remove an installed plug-in from the driver. If removed, the plug-in features do not appear in the driver interface. Note: To remove the Output to PDF module, PDF must not be selected as the PDL. 1 2 3 4 In the Device Settings tab, click the Kyocera logo to open the About dialog box. Click Plug-in to open the Plug-in Information dialog box. Select a plug-in module from the list and click Delete, then Yes. Click OK in all dialog boxes.

2-15 User Guide 3 Quick Print In the Quick Print tab, you can apply basic print settings to print jobs. Any Quick Print settings can be saved as a group, called a profile, and applied to any print job. Profiles support common printing tasks. The Administrator can set the view of the Quick Print tab through the Installation process, or Administrator Settings in Properties. Quick Print Options You can set one or more print options on the Quick Print tab. You can also select from profiles that have been set with predefined options for frequently run print jobs. Specifying Print Options The upper section of the Quick Print tab has several icons that represent the most common options for print jobs. Click on the Quick Print icons and check boxes to change settings for the print job. Some of these options also appear on the Basic, Layout, and Imaging tabs. The last tab where you made selections affects the selections you will see on the other related tabs.

Orientation This icon changes between portrait and landscape printing formats. If needed, check Rotated to change the orientation of the printed page by 180 degrees. EcoPrint This icon changes the text and graphics to appear lighter in the printed job. EcoPrint does not increase print speed. KX DRIVER 3-1 Quick Print Collate This icon changes the ordering of the printed pages. The page ordering sequence can either be 123, 123, 123, or 111, 222, 333, and so on. You can also reverse the order of the printed pages by selecting the Reverse check box. (Reverse is available when Printer default is not selected under Destination in the Basic tab. Reverse can be disabled in Device Settings > Compatibility Settings.) Print on both sides This icon changes between duplex printing for flipping on the long edge, duplex printing for flipping on the short edge, or for not using duplex printing.

Multiple pages per sheet This icon changes between Off, 2, and 4 for the number of pages printed on one sheet. For more than 4 pages per sheet, define these settings in Layout > Multiple pages per sheet. Any basic print options can be Reset to the default values in the Quick Print tab. This button only appears when it is accessed from an application's Print dialog box. The following sections describe some of the Quick Print tab options in more detail. Collate, Duplex printing, and EcoPrint can also be found in the Basic and Imaging tabs, and Multiple pages per sheet in the Layout tab. The Profiles options are accessed from Printing Preferences. Collation Collate specifies the order in which the pages of a multiple copy job are printed. With Collate selected, the first time the print job is sent to the printing system the data is rendered as page images in the printing system's memory. The remaining job copies are printed from the stored data.

This avoids the extra processing involved in sending every copy from the computer to the printing system. With Collate selected, the driver prints the complete job set by set. With Collate cleared, it prints each page by set. For example, with Collate selected, three copies of a five-page document outputs as pages one through five in succession, three times. Duplex Printing Duplex printing is printing on both sides of each page.

Select Print on both sides to start duplex printing. If it is not selected, then the printer prints on only one side of each page. The printer system contains a duplex unit that turns the paper over to allow printing on the reverse side. Print on both sides must be selected to print on both sides of the cover and insert pages. Flip on long edge Turn the long edge of the page to view the content, like the pages of a book bound at the side.

Flip on short edge Turn the short edge of the page to view the content, like a tablet bound at the top. Multiple Pages per Sheet Multiple pages per sheet prints several pages on a single sheet of paper for the purpose of reviewing the document and conserving paper.



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The size and readability of the multiple pages decrease as the number of pages per sheet is 3-2 User Guide Quick Print increased. You can set the arrangement of the pages from the Layout tab as well as print borders around each of the pages. When Multiple pages per sheet is selected, Poster and Scaling are unavailable. Profile Options In the Profiles section, you can select from available profiles to print a job. You can select from predefined profiles, create your own profile, or import profiles. You can also rearrange the icons and edit and delete profiles. Selecting Profiles The Profiles button at the bottom of the Quick Print tab always includes a Factory Default profile that returns the driver options to their default settings. The profiles can include Common Profiles, which are installed as optional components through the Printer Installation Wizard, and any custom profiles created.

Factory Default and administrator profiles cannot be modified. 1 2 3 Click Profiles. In the Profiles dialog box, select a profile. Click Apply. The side panel displays the options for that profile. If any of the Quick Print options are not represented in the predefined profile, the Quick Print icon is unavailable. 4 Click OK. Saving a Profile The Save button lets you create your own profiles. You can select the printing options you want in the driver, then save the driver settings including your customizations as a profile. You can then use that profile to print the same type of print job again without having to reselect all the settings.

In Printing Preferences, the Profiles button appears at the bottom of all the tabs. 1 2 3 4 5 Set the printing options you want for your print job by opening Printing Preferences and selecting all your driver settings. Click Profiles > Save. To identify the profile, type a Name, select an Icon, and type a Description. Click OK to save the profile.

The newly added profile appears in the Profiles dialog box. Click Apply to use the selected profile for the current print job, or click OK to save the profile.

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

DRIVER 3-3 Quick Print Editing a Profile The Edit button lets you make changes to an existing profile.

The Factory Default profile cannot be edited. 1 2 3 Click Profiles. In the Select profile section, select the profile to be edited, and click Edit. Any of the three options can be edited: name, icon and description. Click OK to save the edited changes. The newly edited profile appears in the Profiles dialog box. 4 Click Apply to activate the selected profile to the current print job, or click OK to save the profile. Deleting a Profile The Delete button lets you remove an existing profile. The Factory Default profile cannot be deleted. 1 2 3 4 Click Profiles.

In the Select profile section, select the profile to be deleted, and click Delete. A message appears confirming the removal of the profile. Click Yes to remove. Click OK to close the Profile dialog box. Importing a Profile The Import button lets you import a copy of a profile from other printer drivers into your printer driver. 1 2 Click Profiles > Import. Browse for the existing profile (.KXP), select it, and click Open. A message appears if any of the profile settings in the imported file are not available in the existing driver. Select Yes, to import the profile, or No, to cancel the import.

3 4 If you selected Yes in the previous step, the newly imported file appears in the Profile dialog box. Click Apply to use the selected profile for the current print job, or click OK to save the profile. Exporting a Profile The Export button lets you export a copy of a profile from your printer driver for use in other printer drivers. The Factory Default profile cannot be exported. 3-4 User Guide Quick Print 1 2 3 4 Click Profiles.

In the Select profile section, select the profile to be exported, and click Export. The Export Profile dialog box appears. Name and save the profile. Click OK to close the Profiles dialog box. KX DRIVER 3-5 4 Basic In the Basic tab, you can specify the most commonly used printer driver settings.

Basic Paper Settings The Basic tab contains several settings for the most commonly used printing tasks. Print size This setting sets the size of the area that the printer prints to, regardless of the actual paper size that is used by the printing system. Source This setting specifies the cassette or tray that the printing system draws paper from. Unless you are using a custom paper type, you can leave it set to Auto source selection. Media type This setting selects the Source based on the types of media that are specified in the printing system. In general, you can leave it set to Auto media selection. Destination This setting specifies which output tray is used for the print job output. Orientation This setting specifies the paper orientation of the print job. If Rotated is selected, the print job orientation is rotated 180 degrees. 4-1 User Guide Basic Copies This setting specifies the number of copies to print.

For collating multiple copies, select Collate. If Reverse is selected, the printed pages appear in reverse order. Reverse is available when Printer default is not selected under Destination in the Basic tab. Reverse can be disabled in Device Settings > Compatibility Settings. Duplex This setting lets you print on both sides of a page and select the printed page to appear oriented from a long edge (as bound by a book) or a short edge (as a tablet bound at the top). Quality EcoPrint makes the entire image, text and graphics, appear lighter in the printed job. This setting does not increase print speed. @@ Usually the application can be set to follow the settings. @@@@ @@@@The choices shown may change depending on the selection in Source. @@@@ @@@@If they are combined, Media type is not available on the Basic tab.

@@@@ @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@Click New. A default custom name appears in the Name box. Type a name for your custom page size. Type or select values for the height and width. @@When done, click Apply.

@@@@@In the Print dialog box, click Properties. @@From the Source list, select the MP tray for the custom page size. Click OK to return to the Print dialog box. Click OK to start printing. Duplex printing is printing on both sides of each page.

Select Print on both sides to start duplex printing. If it is not selected, then the printer prints on only one side of each page. The printer system contains a duplex unit that turns the paper over to allow printing on the reverse side. Print on both sides must be selected to print on both sides of the cover and insert pages. Flip on long edge Turn the long edge of the page to view the content, like the pages of a book bound at the side. Flip on short edge Turn the short edge of the page to view the content, like a tablet bound at the top.



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