

Konica

KONICA BUSINESS TECHNOLOGIES, INC.



for UNIX

SEC

Konica Print Utility

User's Reference Guide

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Chapter One

Introduction

Introduction

Konica Print Utility (KP) is a printer utility developed by the Systems Engineering Center of Konica Business Technologies, Inc. specifically for users running a UNIX/LINUX operating system. KP is fully customizable and easy to use. This user's manual is intended to show you how to set up KP once it is installed and how to configure KP for your Konica Workgroup Document System. For more information about your Konica Workgroup Document System, please refer to the User's Reference Guide provided with your specific machine.

Konica Print Utility has three forms:

- | | |
|-----------------|--|
| KP: | An interactive command line utility. |
| KPALIAS: | A version of KP that allows you to select your desired printing options and save them as a single "command" for later use. |
| KPP: | A version of KP that appears within a "pop-up" window when invoked by an application |

Konica Print Utility allows you to print PostScript®- and text-based files. With PostScript® files, KP allows you to use any of the finishing options associated with your Konica Workgroup Document System, so that you may take advantage of all features that your Konica system offers. With text-based documents, KP not only allows you to use finishing options, but also allows you to make basic formatting changes (font size, lines per page, etc.) to modify the physical layout of the file you are printing.

Introduction

FEATURES OF KONICA PRINT UTILITY:

- Works with all Konica 20+ ppm PostScript Printers.
- Provides all of a printer's finishing capabilities specified by the printer's PPD file.
- Allows you to select features via a text-based menu system, which is accessible from a console, terminal or X-terminal window.
- Allows font style and size selections for text documents.
- Provides control over the number of characters per line as well as the number of lines per page for text documents.
- Prints text documents in portrait or landscape orientation.
- Allows you to save often-used print settings for repeated use (KPALIAS).
- Allows supported applications to invoke KP instead of lp (KPP).

KP is Supported on the Following Platforms:

- Sun Solaris 7 & 8 (Intel/Sparc)
- SCO Open Server 5.0x
- IBM AIX 4.3 & 5.0
- HP-UX 10.2 & 11.x (PA-RISC)
- HP-UX 11.2 (Itanium)
- Digital Unix 4.x & Compaq Tru64 5.x (Alpha)
- OpenBSD Unix 2.9
- FreeBSD 4.4
- Red Hat Linux 7.1
- Caldera OpenLinux 3.1
- SuSE Linux 7.2 (Intel)
- SuSE Linux 7.1 (PPC)
- Slackware Linux 8.0
- TurboLinux 6.1
- Mandrake Linux 8.0
- Debian Linux 2.2

Chapter Two

Installing KP

Installing KP

Your KP distribution contains a **readme.txt** file that describes how to install KP on your platform. Please read this file before attempting installation. It contains information pertaining specifically to your individual distribution of KP that cannot be found in this manual.

Installation information will vary based upon the distribution of KP that you are installing. All the information necessary to install your KP distribution is contained in the **readme.txt** file.

To view the **readme.txt** file, use one of the following commands:

- ◆ **vi**
- ◆ **cat**
- ◆ **more**

Chapter Three

Before You Configure KP

Before You Configure KP

The following sections of this manual assume that you have an active printer established on your Unix/Linux system and that you have installed KP. If this is not the case, please create an active printer session for your system now and install KP. Please refer to the **readme.txt** file that came with your KP distribution for detailed installation instructions (see page 5 for details).

Since Konica Print Utility is fully customizable, its configuration will differ based upon the Konica Workgroup Document System that you use. The configuration in this manual is intended solely as a guide, from which you may learn the basis of configuration.

The configuration in this manual is based upon a Konica 7065 Workgroup Document System with an FS-106 Finisher, an LT-352 large capacity tray, 32 MB ERDH RAM and an IP-303 with 64 MB of RAM.

The Konica 7065 has many popular features that are available on other Konica Workgroup Document Systems. The fundamental processes for configuring and using these features within KP are the same for all Konica printers.

To properly configure your Konica printer, you need to know what Konica printer model you have and the optional accessories installed on it. If you are unsure about your printer and its installed accessories, please contact your Konica representative.

Before You Configure KP

PostScript® Printer Definition Files (PPD)

When configuring a printer for use with KP, you will be prompted to choose a PostScript Printer Definition file (PPD). The following table lists those PPD files that are automatically installed along with KP. Please consult this table to ensure a PPD file is present for your Konica printer.

If the print system you are using is not listed in this table, please contact Konica to obtain the appropriate KP PPD file for your system. The appropriate PPD file can be downloaded from the Konica website (www.sec.konicabt.com).

Please add the PPD file to your system according to the instructions given in the **readme.txt** file provided with your KP distribution.

PPD Filename	Konica Printing System	PPD Filename	Konica Printing System
7033-US.ppd 7033-INT.ppd	IP-402/7033 Printing System IP-402+/7033 Printing System IP-411/7033 Printing System	7065-US.ppd 7065-INT.ppd	IP-303/7065 Printing System
7040-US.ppd 7040-INT.ppd	IP-402/7033 Printing System IP-402+/7033 Printing System IP-411/7033 Printing System	Ko30465u.ppd	IP-304/7065 Printing System(US) IP-304/7165 Printing System(US)
70502-US.ppd 70502-INT.ppd	IP-302/7050 Printing System IP-302+/7050 Printing System IP-302/Force50 Printing System IP-302+/Force50 Printing System	K042120u.ppd	IP-421/7020 Printing System(US)
		Ko43145u.ppd	IP-431/7045 Printing System(US)
		Ko601751.ppd	IP-601/7075 Printing System
7060-US.ppd 7060-INT.ppd	IP-302/7060 Printing System IP-302+/7060 Printing System IP-302/Force60 Printing System IP-302+/Force60 Printing System	NOTE: PPDs for US paper sizes (i.e. 8.5"X11", 11"X17", etc.) are designated with "-US." PPDs for International paper sizes (i.e. A4, B6) are designated with "-INT."	

Before You Configure KP

Important Information

To successfully complete your KP configuration, you will need to have specific information about your printing system readily available. This information is as follows:

- **Memory:** How much memory you have available in your IP Print Controller, not ERDH.
- **Finisher:** What type of finisher you have installed on your Konica Printing System.
- **Sheet Feeder:** What type of sheet feeder you have installed on your Konica Printing System.
- **Large Capacity Tray:** What type of large capacity tray (LCT) you have on your Konica Printing System.
- **Tandem:** Whether your system is tandem enabled.

It is important that you have this information available before you attempt to configure KP for use with your Konica Printing System.

Chapter Four

Configuring KP

Configuring KP

The following procedure outlines the steps necessary to configure a system printer for use with Konica Print Utility. Please note that you must have lp or root privileges to configure a printer.

1. Add a new printer to your UNIX/LINUX system using the instructions given in your KP distribution's **readme** file.
2. Configure your new printer by using the **kpconfig** command. It will prompt you for the printer that you would like configure. Select the printer you have just added.
3. You will be asked to pick a PPD file that matches your printer. The list of PPD files installed is displayed.
4. You will be asked whether you want a Ctrl-D appended to each print job. Ctrl-D is the "end of job" command and it is not harmful to always send it. It is optional, as there are rare cases in which it may cause problems. You should choose to append Ctrl-D, unless you have a reason not too.
5. Finally, you will be prompted for "installable options." These are printer-specific options, which may be installed. Select the options that are installed on your printer.

FOR MORE INFORMATION, REFER TO THE SAMPLE CONFIGURATION PROVIDED ON PAGES 12-15.

Configuring KP

Sample Configuration

Since KP is fully customizable, the exact configuration will differ based upon which Konica printer you are using. The following are detailed, step-by-step instructions on how to configure a Konica 7065 Workgroup Document System for use with KP. The Konica 7065 has many popular features that are available on other Konica printers. The fundamental processes for configuring these features within KP is the same for all Konica printers.

! IMPORTANT: This sample is intended solely as a guide, from which you may learn the basis for configuration.

The configuration in this sample is based upon a Konica 7065 Workgroup Document System with an FS-106 Finisher, an LT-352 large capacity tray, 32 MB ERDH and an IP-303 Print Controller with 64 MB of RAM.

! IMPORTANT: At any point during your use of KP or kpconfig, you may type Ctrl-C to cancel the settings you have made and return to the shell prompt. If you feel you have entered an incorrect selection, type Ctrl-C to exit.

! IMPORTANT: kpconfig will prompt you only for the options available for the printer that you specify during installation.

Configuring KP

Sample Configuration (Continued)

1. Begin configuration with the **kpconfig** command. Typing **-a** after the **kpconfig** command will produce a list of printers available on your platform that you may configure.

```
# ./ kpconfig -a
```

2. Choose the printer you would like to configure from the list provided by entering the number preceding the printer name.

```
Printer choices
 1. Konica7050
 2. k7065
Enter selection number for Printer: 2
```

- **IMPORTANT:** The **kpconfig** command assumes that you have already installed your printer. **kpconfig** is for currently existing system printers only. If you do not see your printer in the printer choices list, refer to the **readme.txt** file for your specific Unix/Linux distribution for instructions on how to add a system printer.

3. The following list of available PPD files will appear. Please refer to page 8 for a complete list of the available kp PPD files.

```
Installed PPD files
 1. /etc/lp/ppd/7033-INT.ppd
 2. /etc/lp/ppd/7033-US.ppd
 3. /etc/lp/ppd/7040-INT.ppd
 4. /etc/lp/ppd/7040-US.ppd
 5. /etc/lp/ppd/70502-US.ppd
 6. /etc/lp/ppd/70502INT.ppd
 7. /etc/lp/ppd/7060-INT.ppd
 8. /etc/lp/ppd/7060-US.ppd
 9. /etc/lp/ppd/7065-INT.ppd
10. /etc/lp/ppd/7065-US.ppd
11. /etc/lp/ppd/Ko30465u.ppd
12. /etc/lp/ppd/Ko42120u.ppd
13. /etc/lp/ppd/Ko43145u.ppd
14. /etc/lp/ppd/Ko601751.ppd
Enter selection number for PPD file: 10
```

In this case, since we are using a Konica 7065 system and require US paper measurements, the selection needed is 10.

Configuring KP

Sample Configuration (Continued)

NOTE: At this point in the configuration, specific information about your printer is now necessary to complete your configuration. Refer to page 9 for a list of the required configuration information.

4. You will be asked whether you would like to append a **Ctrl-D** command to the end of your files. This is an end-of-file marker, and we recommend that you type **Y** for this question.

Do you want a Ctrl-D to be appended to each print job? [y|n] **Y**

Next you will be prompted to answer a series of questions about your Konica Workgroup Document System.

5. Memory. You will be asked to input your amount of available memory. This value should be the amount of memory you have in your IP Print Controller, not your ERDH Memory.

Memory Configuration choices

1. 32MB RAM (default)
2. 64MB RAM
3. 96MB RAM
4. 128MB RAM
5. 144MB RAM
6. 160MB RAM
7. 192MB - 224MB RAM
8. 256MB - 512MB RAM

Enter selection number for Memory Configuration [1]: **2**

In this case, we have an IP-303 with an available 64 MB of RAM, so the proper entry is 2.

6. Finisher. You will be asked what type of finisher you have installed on your Konica System.

Finisher Installed choices

1. No Finisher
2. FS-106 (default)
3. FS-108B (BookletMaker)

Enter selection number for Finisher Installed [2]: **2**

In this case, we have an FS-106 Finisher, so the proper entry is 2.

Configuring KP

Sample Configuration (Continued)

7. Sheet Feeder. You will be asked what type of sheet feeder you have installed on your Konica system.

```
Sheet Feeder choices
  1. None (default)
  2. PI-108
Enter selection number for Sheet Feeder [1]: 1
```

In this case, we do not have a sheet feeder installed, so the proper entry is 1.

8. Large Capacity Tray. You will be asked whether you have a Large Capacity Tray installed on your Konica system.

```
Large Capacity Tray choices
  1. Not Installed (default)
  2. Installed
Enter selection number for Large Capacity Tray [1]: 2
```

In this case, we have an LT-352 large capacity tray installed, so the proper entry is 2.

9. Tandem Configuration. You will be asked if you have tandem configuration installed on your Konica system. Tandem configuration refers to the connection of two or more Konica printing systems to increase speed and provide job redundancy.

```
Tandem Configuration choices
  1. Not Installed (default)
  2. Installed
Enter selection number for Tandem Configuration [1]:1
```

In this case, we do not have tandem installed, so the proper entry is 1.

Completing Your Configuration

Completing step 9 will return you to the shell prompt. When you are returned to the shell prompt, configuration is complete.

If you believe that you have made a mistake when installing or configuring your printer, use the following commands:

<code>./ kpconfig -l</code>	Lists all printers configured for KP and the configurations established for each printer.
<code>./ kpconfig -d [printer name]</code>	Deletes a printer configuration from your system, so that you may and reconfigure your system.

Chapter Five

Printing with KP

Printing with KP

! IMPORTANT: Printing is based upon the options that you chose when you configured your Konica printing system with the `kpconfig` command. The options listed when you print differ for each type of Konica Workgroup Document System that you install. This is a basic sample, offered as an example.

Konica Print Utility offers many features, all of which can also be invoked from the command line. For more information about these features, as well as command line invocation, please reference the man page, by typing `kp man` at the shell prompt.

NOTE: The menus and options listed in the following printing samples are based upon the configurations completed in the previous Sample Configuration.

1. To begin your printing session, type `kp` at the shell prompt.

```
# kp
Konica Print Utility 1.5
Copyright (c) 2001 Konica Business Technologies Inc.
```

2. You are asked to choose the printer to which you want to print. Enter the number corresponding to the Konica Workgroup Document System to which you want your print jobs sent.

```
Printer choices
 1. Konica7050
 2. k7065
Enter selection number for Printer: 2
```

In this case, we are printing to the Konica 7065, so the proper entry is **2**.

3. You are asked to enter the name of the file that you would like to print.

```
Enter file(s) to print: sample.txt
```

In this case, we are going to print the **sample.txt** text file. If the file does not exist in your current working directory, you may enter the entire path name to the file (example: `\home\pubs\sample.txt`).

4. You are asked how many copies you would like to print. Enter the number of copies.

```
Number of copies to print: 1
```

In this case, we only want one copy, so the proper entry is **1**.

Printing with KP

5. You are prompted with Printer Options. Here you can set up your document based upon the settings you made in your initial configuration. The list below includes Printer Options for the Sample Configuration which was completed on page 12-15.

NOTE: With PostScript® files, KP allows you to use any and all finishing options associated with your Konica Workgroup Document System, so that you may take advantage of all finishing features that your Konica system offers.

With text-based documents, KP not only allows you to use finishing options, but also allows you to make basic formatting changes (font size, lines per page, etc.) to modify the physical layout of the file you are printing.

Printer Options	Current Value
1. Resolution	400dpi
2. Print Quality	Text
3. Edge Smoothing	Off
4. Print Density	Normal
5. Media Type	Plain Paper
6. Duplex Mode	Long Edge Binding
7. Job Offset	On
8. Collate	Sort
9. Special Modes	Off
10. Fold & Stitch	Off
11. Stapling	Off
12. Wait Mode	Off
13. Front Cover	Off
14. Front Cover Tray	None
15. Back Cover	Off
16. Back Cover Tray	None
17. Output Bin	Lower
18. Tandem Printing	Normal Mode (Auto Select)
19. InputSlot	Default
20. Manual Feed	False
21. PageSize	Letter (8 1/2 x 11 in)
22. Orientation	Portrait
23. Text Font	Helvetica
24. Text Font Size	10
25. Text Line Width	80
26. Text Lines Per Page	66
27. Text Tab Size	8

Lists display 10 options at a time. To view more options, press Return. To change the settings for a Printer Option, type the number of the Option at the prompt and press Return.

These are the options available for our Sample Configuration, the Konica 7065 with the features we specified. Your Konica printing system may have different options.

For more information about what each feature is and what it can do, please refer to the User's Reference Guide provided with your Konica Workgroup Document System.

Printing with KP

Printer Options

The list of options is arranged with the function on the left and the current value on the right. To change the current value, enter the number of the function. To change the settings for any of the Printer Options, type the number of the Option at the prompt. A new menu with choices for that specific option will be displayed. Make the desired selection and press **Return** to go back to the Printer Options list. At any time, you may enter **P** to print. At any time, you may enter **Ctrl-C**, to cancel your operation and return to your initial prompt.

NOTE: Defaults are contained in brackets before the prompt and denoted in parentheses after the description. Press **Return** at a section's prompt to retain defaults in the section and return to the Printer Options List.

1. Resolution

To access your choices for the Resolution feature, enter **1** at the Printer Options List. The choices you will see are as follows:

Resolution choices

1. 400dpi (default)
2. 600dpi

Enter selection number for Resolution [1]:

To change the setting, press the number of your choice; pressing **Return** will take you to the Printer Options List.

→ 400dpi and 600dpi resolution modes provide optimal image quality for photos, complicated graphics and text requiring high to very high compression.

For more information about Resolution, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

2. Print Quality

To access your choices for the Print Quality feature, enter **2** at the Printer Options List. The choices you will see are as follows:

```
Print Quality choices
  1. Text (default)
  2. Medium
  3. High
Enter selection number for Print Quality [1]: 1
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **You can select various image quality modes to produce various levels of grayscale. The following table shows the available image quality modes and the grayscale levels they produce.**

Print Mode	Print Engine	Print Controller	Grayscale
Text	1-Bit Mode (No error diffusion)	1-Bit Mode	2 Levels
Medium	2-Bit Mode (Error diffusion)	8-Bit Mode	4 Levels
High	4-Bit Mode (Error diffusion)	8-Bit Mode	16 Levels

For more information about Print Quality settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

3. Edge Smoothing

To access your choice for the Edge Smoothing feature, enter **3** at the Printer Options List. The choices you will see are as follows:

```
Edge Smoothing choices
 1. Off (default)
 2. Text Only
 3. All Objects
Enter selection number for Edge Smoothing [1]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Edge Smoothing fills in the feathered edges of text and images with extra toner, to produce a crisper, smoother output result.**

For more information about Edge Smoothing settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

4. Print Density

To access your choices for the Print Density feature, enter **4** at the Printer Options List. The choices you will see are as follows:

```
Print Density choices
 1. Normal (default)
 2. Toner Save
 3. Draft
Enter selection number for Print Density [1]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Use this option to change the darkness or lightness of your output print. Normal mode (default) prints with the density to which you are most accustomed. Toner Save mode will save toner by printing a very light copy of your document. Draft will print an even lighter copy of your document.**

For more information about Print Density settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

5. Media Type

To access your choices for the Media Type feature, enter **5** at the Printer Options List. The choices you will see are as follows:

Media Type choices

1. Plain Paper (default)
2. OHP Transparency
3. Thin Paper
4. Thick Paper

Enter selection number for Media Type [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Media Type selection allows you to set the printer to print on a specific type of paper. For best results, use only paper recommended by Konica.**

For more information about Media Type settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

6. Duplex Mode

To access your choices for the Duplex Mode feature, enter **6** at the Printer Options List. The choices you will see are as follows:

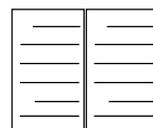
Duplex Mode choices

1. Off (default)
2. Long Edge Binding
3. Short Edge Binding

Enter selection number for Duplex Mode [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Duplex printing prints on both sides of a sheet. Descriptions of binding options are as follows:**



Long Edge Binding



Short Edge Binding

For more information about Duplex settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

7. Job Offset

To access your choices for the Job Offset feature, enter **7** at the Printer Options List. The choices you will see are as follows:

Job Offset choices

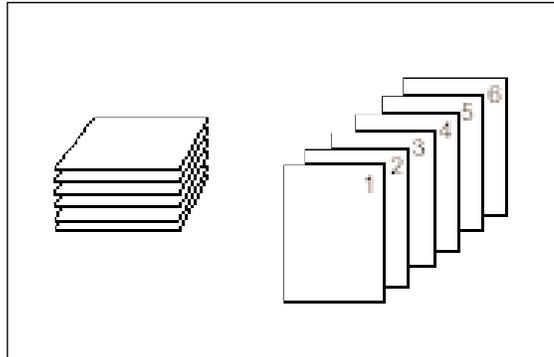
1. On (default)
2. Off

Enter selection number for Job Offset [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Offset On** will allow you to sort or group your output prints as shown in the examples in number 8. Offset off will output your prints on top of each other, in the normal fashion. Refer to the figures in the following section for Offset On options.

➔ **Offset Off**



For more information about Job Offset settings, refer to the User's Reference Guide included with your Konica Workgroup Document System..

Printing with KP

Printer Options

8. Collate

To access your choices for the Collate feature, enter **8** at the Printer Options List. The choices you will see are as follows:

Collate choices

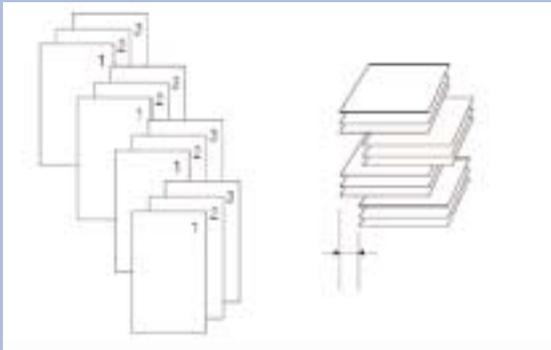
1. Sort (default)
2. Group

Enter selection number for Collate [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

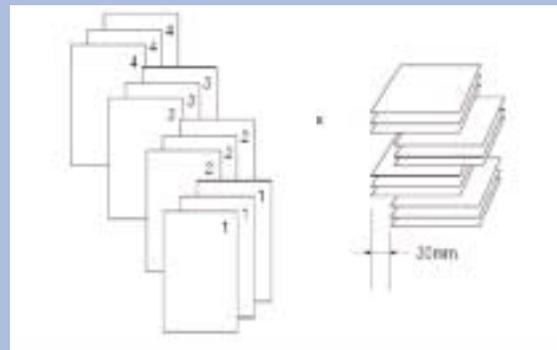
➔ **Changing this setting alters the way that your offset prints are out put. If you do not want your prints offset, ensure that Job Offset is set to Off.**

Sort



Sort offsets your prints by total document.

Group



Group offsets your documents by page.

For more information about Collate settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

9. Special Modes

To access your choices for the Special Modes feature, enter **9** at the Printer Options List. The choices you will see are as follows:

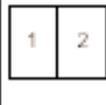
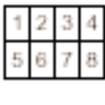
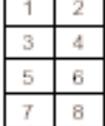
Special Modes choices

1. Off (default)
2. 2-in-1
3. Booklet

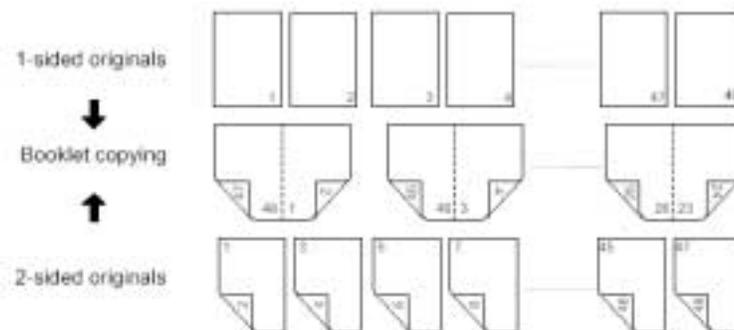
Enter selection number for Special Modes [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **2-in-1 Mode prints two pages on the same side of one sheet of paper. Refer to the diagram below.**

Layout Original	Horizontal order			Vertical order		
	2 in 1	4 in 1	8 in 1	2 in 1	4 in 1	8 in 1
Portrait type 						
Landscape type 						

➔ **Use the Booklet with trays 1, 2, 3, or 4, or the Multi-sheet bypass tray to make a multiple page signature booklet on both sides of ledger, legal, 8.5"x11"R, or 5.5"x8.5"R paper. Original images are automatically arranged in booklet format in correct order.**



For more information about Special Modes settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

10. **Fold & Stitch**

To access your choices for the Fold & Stitch feature, enter 10 at the Printer Options List. The choices that you will see are as follows:

Fold & Stitch choices

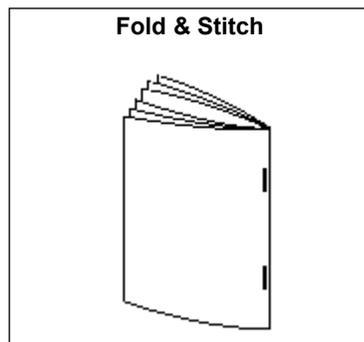
1. Off

Enter selection number for Fold & Stitch:

The printer that we configured in the sample configuration does not have Fold & Stitch capabilities. Therefore, no options are available in this section.

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Fold and Stitch Mode, when available, allows you to fold your booklets and bind them with staples. Refer to the diagram below.**



For more information about Fold & Stitch settings, refer to the User's Reference Guide included with your Konica Workgroup Document System

Printing with KP

Printer Options

11. Stapling

To access your choices for the Stapling feature, enter 11 at the Printer Options List. The choices that you will see are as follows:

Stapling choices

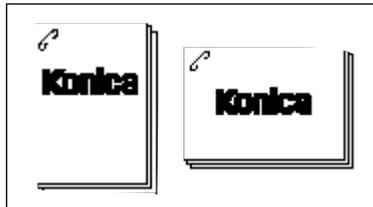
1. Off (default)
2. Single (Portrait)
3. Single (Landscape)
4. Double Side (Portrait)
5. Double Side (Landscape)
6. Double Top (Portrait)
7. Double Top (Landscape)

Enter selection number for Stapling [1]:

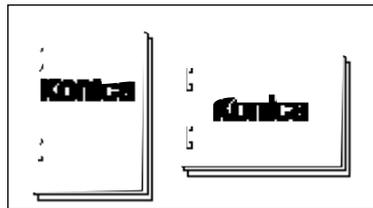
To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Staple positions are explained in the diagrams below.**

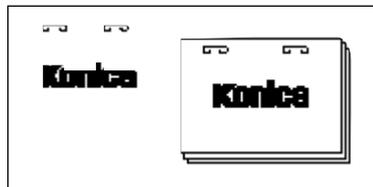
2 & 3 Single Portrait, Single Landscape



4 & 5 Double Side Portrait, Double Side Landscape



6 & 7 Double Top Portrait, Double Top Landscape



For more information about Stapling choices, please refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

12. Wait Mode

To access your choices for the Wait Mode feature, enter 12 at the Printer Options List. The choices you will see are as follows:

```
Wait Mode choices
  1. Off (default)
  2. Wait
  3. Wait with Proof
Enter selection number for Wait Mode [1]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Wait mode holds your print job in the queue until you press the check button on the main body of the printer. Wait with Proof mode allows you to view a preliminary copy of your print job before printing your entire run.**

For more information about Wait Mode settings, refer to the User's Reference Guide included with your Konica IP Print Controller.

13. Front Cover

To access your choices for the Front Cover feature, enter 13 at the Printer Options List. The choices you will see are as follows:

```
Front Cover choices
  1. Off (default)
  2. Printed
  3. Blank
Enter selection number for Front Cover [1]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **You may choose to insert a blank or printed cover. Please refer to the diagram on page 30 for more details about Front Cover mode.**

For more information about Front Cover settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

14. Front Cover Tray

To access your choices for the Front Cover Tray feature, enter 14 at the Printer Options List. The choices you will see are as follows:

```
Front Cover Tray choices
 1.  None (default)
 2.  Manual Feed
 3.  Manual Feed (Thick)
 4.  Tray 1
 5.  Tray 2
 6.  Tray 3
 7.  Tray 4
 8.  Tray 5
```

Enter selection number for Front Cover Tray [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

→ Use this mode to select the tray from which you would like the cover of your document to print.

For more information about Front Cover Tray settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

15. Back Cover

To access your choices for the Back Cover feature, enter 15 at the Printer Options List. The choices you will see are as follows:

```
Back Cover choices
 1.  Off (default)
 2.  Printed
 3.  Blank
```

Enter selection number for Front Cover [1]:

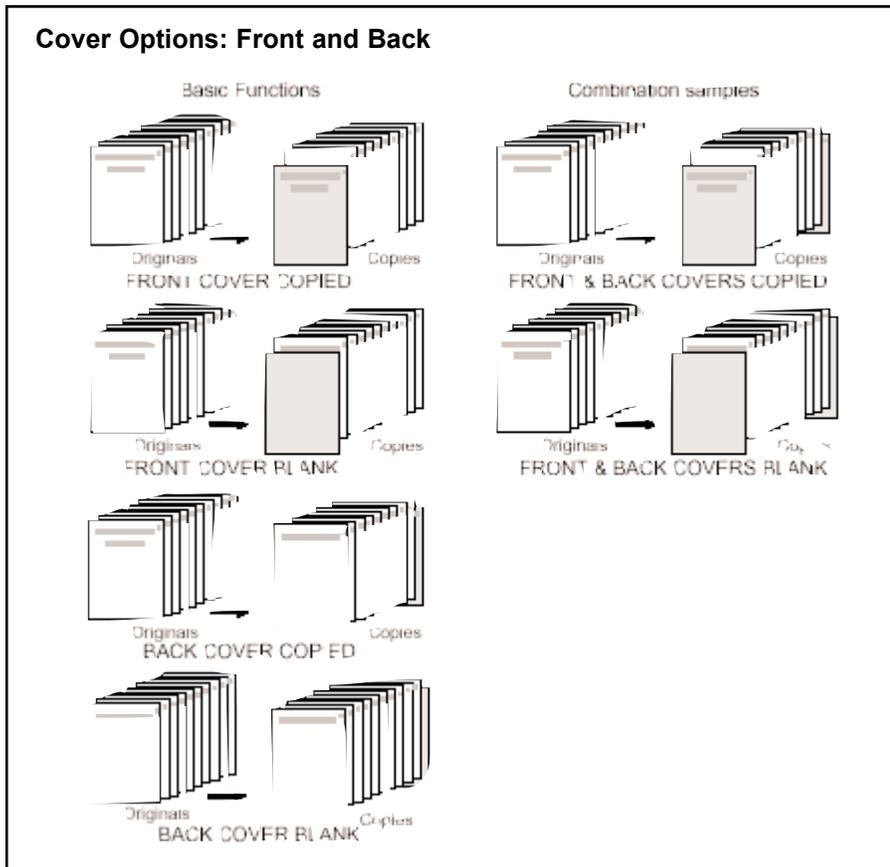
To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

→ You may choose to inset a blank or printed cover. Please refer to the diagram on page 30 for more details about Back Cover mode.

For more information about Back Cover settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options



16. Back Cover Tray

To access your choices for the Back Cover Tray feature, enter 16 at the Printer Options List. The choices you will see are as follows:

Back Cover Tray choices

1. None (default)
2. Manual Feed
3. Manual Feed (Thick)
4. Tray 1
5. Tray 2
6. Tray 3
7. Tray 4
8. Tray 5

Enter selection number for Back Cover Tray [1]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Use this mode to select the tray from which you would like the back cover of your document to print.**

For more information about Back Cover Tray settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

17. Output Bin

To access your choices for the Output Bin feature, enter 17 at the Printer Options List. The choices you will see are as follows:

```
Output Bin choices
  1. Upper
  2. Lower (default)
Enter selection number for Output Bin [2]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Use this mode to select which tray you would like your finished documents to be output into.**

For more information about Output Bin settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

18. Tandem Printing

To access your choices for the Tandem Printing feature, enter 18 at the Printer Options List. The choices you will see are as follows:

```
Tandem Printing choices
  1. Normal Mode (Auto Select) (default)
Enter selection number for Tandem Printing [1]:
```

The printer that we configured in the sample configuration does not have tandem printing options. Therefore, no options are available in this section.

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **The optional tandem kit enables a Primary copier to work in tandem with a Secondary copier for the purpose of completing large copying jobs faster. Two units working in tandem can distribute a job in half the time of non-tandem mode.**

For more information about Tandem Printing settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

19. Input Slot

To access your choices for the Input Slot feature, enter 19 at the Printer Options List. The choices you will see are as follows:

```
InputSlot choices
```

1. Tray 1
2. Tray 2
3. Tray 3
4. Tray 4
5. Tray 5

```
Enter selection number for InputSlot:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

- ➔ **The Input Slot selection mode allows you to choose the tray from which you would like the printer to draw paper for your document. Use this mode if you have selected a specific type of paper in option 5 (Media Type) and need to direct the printer to the tray in which that paper type is contained.**

For more information about Input Slot settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

20. Manual Feed

To access your choices for the Manual Feed feature, enter 20 at the Printer Options List. The choices you will see are as follows:

```
Manual Feed choices
```

1. True
2. False (default)

```
Enter selection number for Manual Feed [2]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

- ➔ **To choose to manually feed special paper into the printer, choose True. To have paper selected from an available tray, choose False (default).**

For more information about Manual Feed settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

21. Page Size

To access your choices for the Page Size feature, enter 21 at the Printer Options List. The choices you will see are as follows:

PageSize choices

1. Half-letter (5 1/2 x 8 1/2 in)
2. Letter (8 1/2 x 11 in) (default)
3. Legal (8 1/2 x 14 in)
4. Tabloid (11 x 17 in)
5. A3
6. A4
7. A5
8. B4
9. B5
10. B6
11. F4

Enter selection number for PageSize [2]:

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ This mode changes the size of paper you are using to print your document.

For more information about Page Size settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

NOTE: The following selections will only appear when you are printing a text-based document. When printing a PostScript® document, these menu options do not appear.

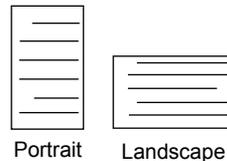
22. Orientation

To access your choices for the Orientation feature, enter 22 at the Printer Options List. The choices you will see are as follows:

```
Orientation choices
  1. Portrait (default)
  2. Landscape
Enter selection number for Orientation [1]:
```

To change the setting, press the number of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **Portrait orients your page vertically. Landscape orients your page horizontally. Refer to the diagrams below.**



For more information about Orientation settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

23. Font

To access your choices for the Font feature, enter 23 at the Printer Options List. You will see the following prompt:

```
Enter Text Font [Helvetica]:
```

To change the setting, type the Font of your choice. Pressing **Return** will take you back to the Printer Options List.

NOTE: The font must be typed exactly as it appears on the font list. A definitive font list can be printed directly from your printer (refer to your User's Reference Guide).

NOTE: If you want to change the Font AND the Orientation, you must change the orientation first. If you change the Font, then the Orientation, the Font will return to its default setting.

For more information about Orientation settings, refer to the User's Reference Guide included with your Konica Workgroup Document System.

Printing with KP

Printer Options

24. Font Size

To access your choices for the Font Size feature, enter 24 at the Printer Options List.

Enter Text Font Size [10]:

To change the setting, enter the Font Size of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **This function allows you to change the point size of your font.**

25. Text Line Width

To access your choices for the Text Line Width feature, enter 25 at the Printer Options List.

Enter Text Line Width [80]:

To change the setting, enter the Text Line Width of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **This option allows you to change the amount of characters per line on your printed page.**

26. Text Lines Per Page

To access your choices for the Text Lines Per Page feature, enter 26 at the Printer Options List.

Enter Text Lines Per Page [66]:

To change the setting, enter the Text Lines Per Page of your choice; pressing **Return** will take you back to the Printer Options List.

➔ **This option allows you to change the amount of lines on your printed page.**

27. Tab Size

To access your Tab Size selection, enter 27 at the Printer Options List.

Enter Text Tab Size [8]:

➔ **This function allows you to change the amount of spaces your "tab" key spans on your printed document.**

To change the setting, enter the Tab Size of your choice; pressing **Return** will take you back to the Printer Options List.

Chapter Six

Using KP Alias

Using KP Alias

Description

KP Alias allows you to save printing parameters that you use often as a single command. KP Alias offers a simple way to print documents without manually making changes to each setting in the Printer Options list every time.

Creating a KP Alias

Listed here are the steps you would take to create an alias that will print a weekly-generated report with the following parameters.

- ◆ Printed on 8.5"x11" paper
- ◆ 12 copies
- ◆ Duplexed along the long edge
- ◆ Single-stapled
- ◆ Text is landscaped
- ◆ Text is printed using Times-Roman font

1. At your initial prompt, type `kpalias`, rather than `kp`.

```
# kpalias
Konica Print Alias 1.5
Copyright (c) 2001 Konica Business Technologies Inc.
```

2. You are asked which printer you would like to use. Select the printer to which you would like to have your document print.

```
Printer choices
  1. Konica7050
  2. k7065
Enter selection number for Printer: 2
```

Using KP Alias

Creating a KP Alias

3. You are asked to enter an alias name.

This is the name of the file in which KP Alias will save all of the printer options you specify. Therefore, make sure the name you enter reflects the intended purpose of the alias. In this example, this report is generated weekly. Although the content of the report changes, the format is always the same. To create an alias for this "weekly report", type `weeklyreport` at the "Enter alias name" prompt.

```
Enter alias name: weeklyreport
```

If you wish to create the alias in a directory other than your current working directory, include the full path (i.e., `/path/to/weeklyreport`).

4. You are asked how many copies you would like to print. The number you enter here will become part of your print parameters. Each time `weeklyreport` executes, it will print the number of copies you specify here. Since this report needs to be distributed to 12 individuals, enter 12 at this prompt.

```
Number of copies to print: 12
```

Using KP Alias

Creating a KP Alias

5. The Printer Options list is now displayed so you can specify the printing options for week lyreport. Please note that "S to save" has replaced the "P to print" selection on the prompt line.

NOTE: Do not save your parameters until you have made all of your changes.

This report needs to be duplexed along the long edge, so enter 6 to change this parameter.

```
Printer Options                               Current Value
=====                               =====
1. Resolution                               400dpi
2. Print Quality                            Text
3. Edge Smoothing                           Off
4. Print Density                             Normal
5. Media Type                               Plain Paper
6. Duplex Mode                               Off
7. Job Offset                               On
8. Collate                                   Sort
9. Special Modes                            Off
10. Fold & Stitch                            True
Enter option number, S to save, or RETURN for more options: 6
```

Enter 2 to select Long Edge Binding.

```
Duplex Mode choices
1. Off (default)
2. Long Edge Binding
3. Short Edge Binding
Enter selection number for Duplex Mode [1]: 2
```

Using KP Alias

Creating a KP Alias

6. This report also needs to be stapled, so press the **Return** (or Enter) key to see more Printer Options, then choose 11.

Printer Options =====	Current Value =====
11. Stapling	Off
12. Wait Mode	Off
13. Front Cover	Off
14. Front Cover Tray	None
15. Back Cover	Off
16. Back Cover Tray	None
17. Output Bin	Lower
18. Tandem Printing	Normal Mode (Auto Select)
19. InputSlot	default
20. Manual Feed	False

Enter option number, S to save, or RETURN for more options: **11**

Since the report's orientation will be landscaped, enter 3 at this prompt.

Stapling choices

1. Off (default)
2. Single (Portrait)
3. Single (Landscape)
4. Double Side (Portrait)
5. Double Side (Landscape)
6. Double Top (Portrait)
7. Double Top (Landscape)

Enter selection number for Stapling [1]: **3**

Using KP Alias

Creating a KP Alias

- To see the current orientation option, press the **Return** (or Enter) key to view the last page of the Printer Options List.

Orientation is currently set to "Portrait". Since this report needs to be printed with a landscape orientation, enter 22 to change the orientation.

```
Printer Options                               Current Value
=====
21. PageSize                                 Letter (8 1/2 x 11 in)
22. Orientation                             Portrait
23. Text Font                               Helvetica
24. Text Font Size                           10
25. Text Line Width                          80
26. Text Lines Per Page                       66
27. Text Tab Size                             8
Enter option number, S to save, or RETURN for more options: 22
```

The orientation choices are displayed; enter 2 to select Landscape.

```
Orientation choices
 1. Portrait (default)
 2. Landscape
Enter selection number for Orientation [1]: 2
```

NOTE: Orientation must be changed before Font. Font setting will return to default if Orientation is changed afterwards.

- To change the font, select 23.

```
Printer Options                               Current Value
=====
21. PageSize                                 Letter (8 1/2 x 11 in)
22. Orientation                             Landscape
23. Text Font                               Helvetica
24. Text Font Size                           10
25. Text Line Width                          132
26. Text Lines Per Page                       50
27. Text Tab Size                             8
Enter option number, S to save, or RETURN for more options: 23
```

Type the name of the font that is required for the report.

```
Enter Text Font [Helvetica]: Times-Roman
```

NOTE: The font must be typed exactly as it appears on the printer's font list. Refer to your User's Reference Guide for information on how to print the font list.

Using KP Alias

Creating a KP Alias

9. Since these are the only parameters required for the report, type **S** and press the **Return** (or Enter) key to save these settings.

Printer Options	Current Value
=====	=====
21. PageSize	Letter (8 1/2 x 11 in)
22. Orientation	Landscape
23. Text Font	Times-Roman
24. Text Font Size	10
25. Text Line Width	132
26. Text Lines Per Page	50
27. Text Tab Size	8

Enter option number, S to save, or RETURN for more options: **S**

When you press s to save your parameters, you will be returned to the shell prompt.

Your KP alias has been created and saved, and is now ready for your use.

Using KP Alias

Printing with KP Alias

1. At the shell prompt, type `[path]\to\kpaliasname [path]\to\filename]`.

Using the alias we created in the previous section of this manual, print a weekly report for the week ending September 22, 2002. To do this, type the following command:

```
# weeklyreport 09-22-02report.txt
```

In this case, “**weeklyreport**” is the alias name and “**09-22-02report.txt**” is the name of the file containing the text that we will print with the parameters contained in the alias.

The KP alias, `weeklyreport`, will use the parameters established in the previous chapter’s example to create a printed document with its pages duplexed along the long edge, and single-stapled, and its text landscaped, with Times-Roman font.

Chapter Eight

Using KP Pop Up

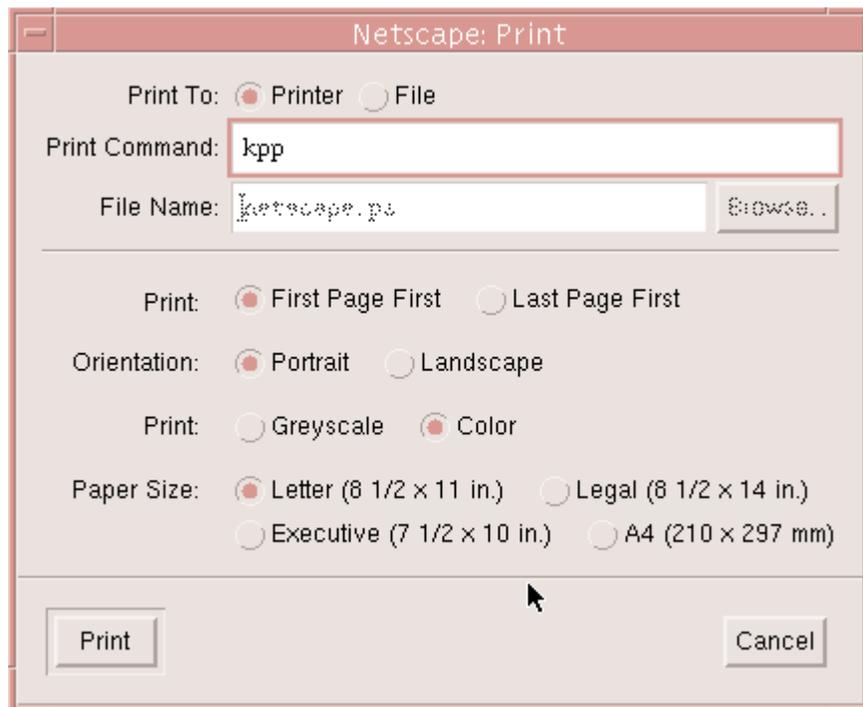
Using KP Pop-Up (KPP)

Description

KPP is a version of KP that allows you to "pop up" kp from within an application.

Printing with KPP

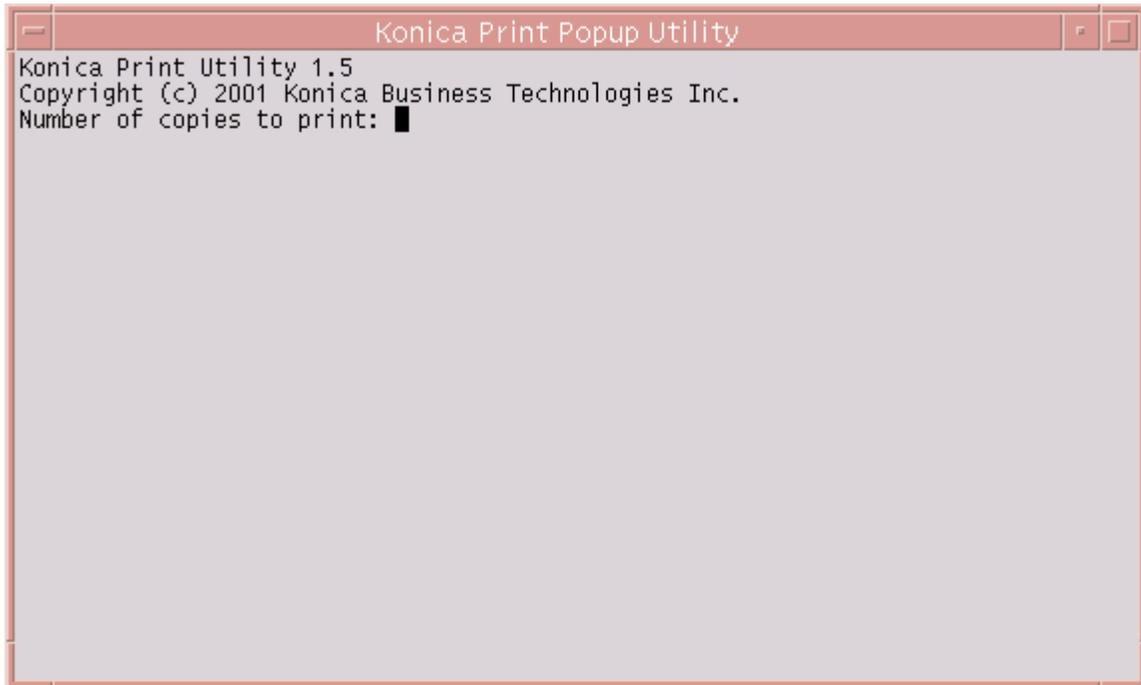
1. Open your application. For demonstration purposes, we are using Netscape.
2. From the File menu, select print. When the print box pops up, make sure that "kpp" is your print command.



Using KP Pop-Up (KPP)

Printing with KPP

3. Click Print.



4. From this window, you may access all features and options of Konica Print Utility in just the same way you would from the command line. Refer to page 17 (Printing with KP) for detailed instructions on printing with this utility.

Appendix

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MANUAL PART NUMBER:
OP-KP-01

Web Site Address:
<http://www.konicabt.com>

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