
Scanning Basics

Your machine offers two ways to scan:

- From the Samsung SmartThru software: Launch Samsung SmartThru and open the Scan Wizard to begin scanning. See below.
- From TWAIN-compliant software: You can use other software including Adobe PhotoDeluxe and Adobe Photoshop. See page 5.6.



NOTES:

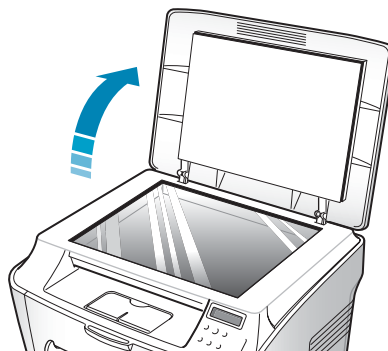
- To scan with your machine, you must install the MFP driver.
 - Scanning is done through the same LPT or USB port currently assigned for your printer port.
-

Scanning Using Samsung SmartThru

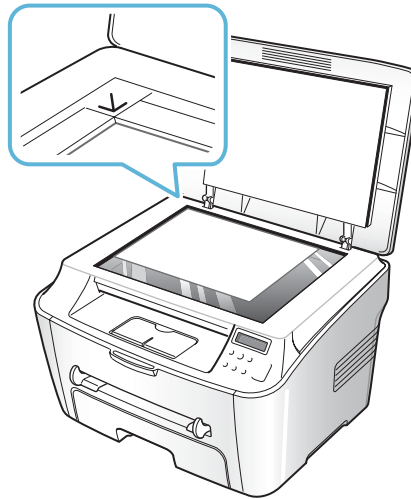
Samsung SmartThru is the accompanying software for your machine. With the SmartThru, scanning becomes a pleasure.

Follow these steps to start scanning using the SmartThru:

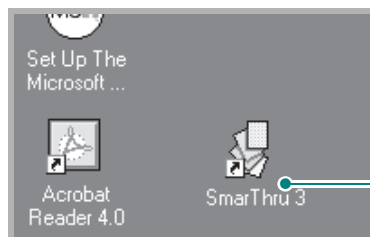
- 1** Make sure that your machine and computer are turned on and properly connected to each other.
- 2** Lift the document cover.



- 3 Load the document to be scanned **face down** on the glass and align it with document guides on the left top corner of the glass.

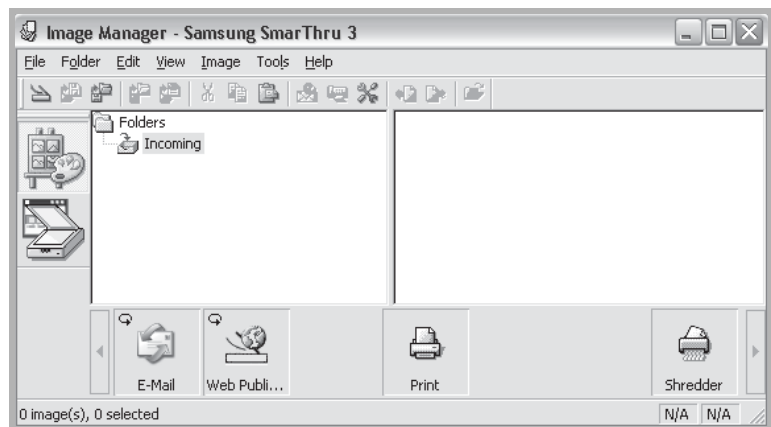


- 4 Close the document cover.
- 5 Once you have installed Samsung software, you see the SmarThru icon on the desktop. Double-click the **SmarThru 4** icon.

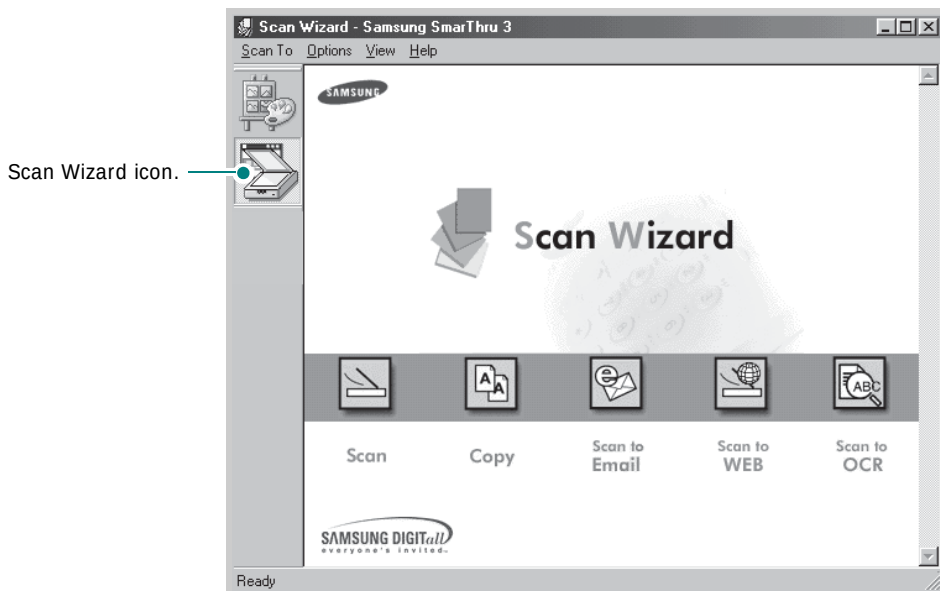


Double-click this icon.

The SmarThru 4 window opens.



- 6 To open the Scan Wizard, click the **Scan Wizard** icon in the plug-in bar on the left of the SmarThru 4 window.



The Scan Wizard lets you use the following services:

- **Scan**

Lets you scan the original documents and save them in the Image Manager of the Samsung SmarThru system. The Image Manager is an image database manager and image editor program.

- **Copy**

Lets you use your machine to produce professional quality copies. You can adjust the image size and select advanced settings.

- **Scan to Email**

Lets you scan the original documents and then launches a default mail program of your system, such as Microsoft Outlook Express, so that you can send the scanned image attached to a new mail. To send e-mail using the Samsung SmarThru system, you need to enable the Internet Gate and configure an e-mail account in SmarThru Configuration. Refer to the SmarThru User's Guide.

- **Scan to FAX**

Lets you scan the original documents and then launches a New Fax form which helps you to send them as a fax image. This service is available only when you enable and configure the Fax Gate in SmarThru Configuration. Refer to the SmarThru User's Guide.

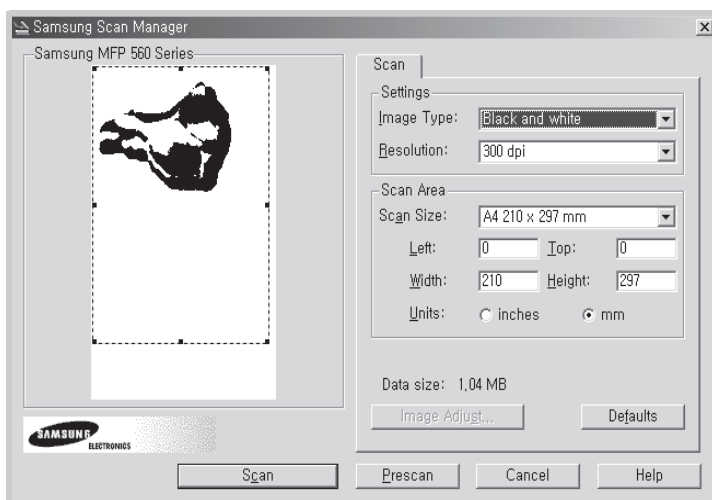
- **Scan to WEB**

Lets you scan the original documents for further publishing to the Web.

- **Scan to OCR**

Lets you scan the original documents and pass them to the OCR program. OCR (Optical Character Recognition) is the process of converting a scanned image into text that you can edit in a word processing program. After you scan your document, the software processes or “recognizes” it. Then you can change it and either save the file or open it in any word processing program on your computer.

- 7 Click the service icon according to your job.
- 8 The Samsung Scan Manager opens for the selected service. Adjust the scan settings. You can use the **Help** button to receive on-line help.



- 9 To start scanning, click **Scan**.

For more information, please refer to the SmarThru User's Guide which came with your machine.



NOTE: If you want to cancel the scan job, press the **Stop/Clear** button on the control panel.

Scanning Process with TWAIN-enabled Software

If you want to scan documents using other software, you will need to use TWAIN-compliant software, such as Adobe PhotoDeluxe or Adobe Photoshop. The first time you scan with your machine, select it as your TWAIN source in the application you use.

The basic scanning process involves a number of steps:

- Place your photograph or page on the document glass. See page 5.2.
- Open an application, such as PhotoDeluxe or Photoshop.
- Open the TWAIN window and set the scan options.
- Scan and save your scanned image.

You need to follow the program's instructions for acquiring an image. Please refer to the user's guide of the application.



6

USING OTHER OPERATING SYSTEMS

This chapter gives you information about how to use your machine in the Macintosh or Linux system.

This chapter includes:

- **Using Your Printer in Macintosh**
- **Using Your Printer in Linux**

Using Your Printer in Macintosh

Installing Software in Macintosh

Your machine Macintosh systems with a built-in USB interface. When you print a file from a Macintosh computer, you can use the SPL driver to support your machine's major printing features.

System Requirements

To use your machine and its software with a Macintosh, your system should have:

Macintosh Hardware Requirement:

- One of the following Macintosh models:
 - Power Macintosh series
 - Power Macintosh G3, G4
 - iMac series
 - PowerBook series
 - iBook series
- USB interface

Macintosh System Requirement:

Mac OS 8.6 or later



NOTES:

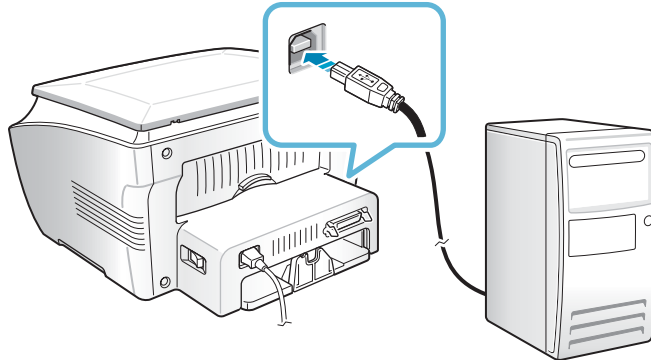
- Mac OS 10.0 version is not supported.
 - Your printer must be connected directly to your Macintosh using a USB cable.
 - The Samsung SCX-4100 does not support Postscript printing. Ensure that the application you are using does not expect to be able to use Postscript.
-

Installing Software

Mac OS 8.6 ~ 9.x

- 1 Turn the machine and computer off and plug the supplied USB cable into your machine's USB connector.

You must use a USB 1.1 compliant cable that is no more than 3 m length.



NOTE: When you are using a USB hub, connect the machine's cable to the first tier of the hub, or the machine may malfunction. If the machine doesn't work with the hub, connect it directly to the USB port.

- 2 Turn on your computer and machine.
- 3 Insert the CD-ROM which came with your machine into the CD-ROM drive.
- 4 Double-click **SAMSUNG_MFP** on your Macintosh desktop.
- 5 Double-click the **Classic** folder.
- 6 Double-click the **West** folder.
- 7 Double-click the **Samsung Laser Printer installer** icon next to each language to select the correct one.
- 8 Click **Continue** and then click **Continue**.

- 9 The Samsung Laser Printer installer window opens. Select the installation type.

The window provides the following two options for software installation:

- **Easy Install** (recommended method): This option installs the SPL driver.
- **Custom Install** : This option allows you to choose which components will be installed, the SPL driver or the Adobe Acrobat Reader program for opening the user's guide.

- 10 Click **Install**.

When other programs are operating, the alert message appears. Click **Continue** to install the software or click **Cancel**, close other programs and install the software.

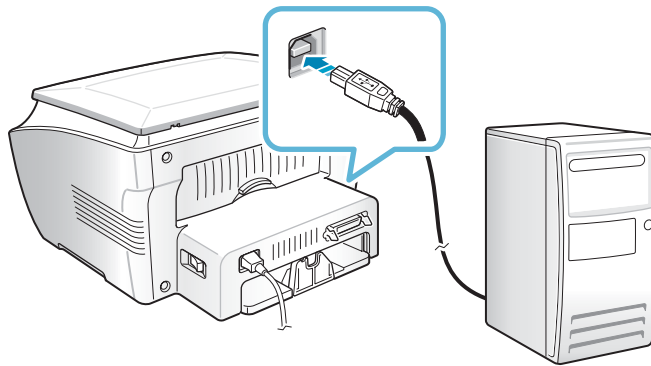
- 11 After the installation is finished, click **Restart**.

Mac OS 10.x

Mac OS 10.0 version is not supported.

- 1 Turn the machine and computer off and plug the supplied USB cable into your machine's USB connector.

You must use a USB 1.1 compliant cable that is no more than 3m length.



NOTE: When you are using a USB hub, connect the machine's cable to the first tier of the hub, or the machine may malfunction. If the machine doesn't work with the hub, connect it directly to the USB port.

- 2 Turn on your computer and machine.
- 3 Insert the CD-ROM which came with your machine into the CD-ROM drive.
- 4 Double-click **SAMSUNG_MFP** on your Macintosh desktop.
- 5 Double-click the **OS X** folder.
- 6 For Mac OS 10.1, double-click the **Installer for 10.1** icon.
For Mac OS 10.2.X, double-click the **Installer for 10.2 or later** icon.
- 7 Click **Continue**, and then click **Continue**.
- 8 When the Easy Install window appears, click **Install**.
If you already installed the Samsung SPL II printer driver, click **Update**.
- 9 Click **Continue Installation**.
- 10 After installation is completed, click **Restart**.

Setting Up Your Printer

Mac OS 8.6 ~ 9.x

- 1 From the **Apple** menu, select **Chooser**.
- 2 From the left pane of the Chooser window, click **SAMSUNG SPL II**. Your printer name appears on the right pane of the Chooser window.
- 3 Click **Samsung SCX-4100 Series** and close the Chooser window.
- 4 The message window indicating that you have changed your current printer appears. Click **OK**.

A SAMSUNG SPL II printer icon is created on your desktop.

Mac OS 10.x

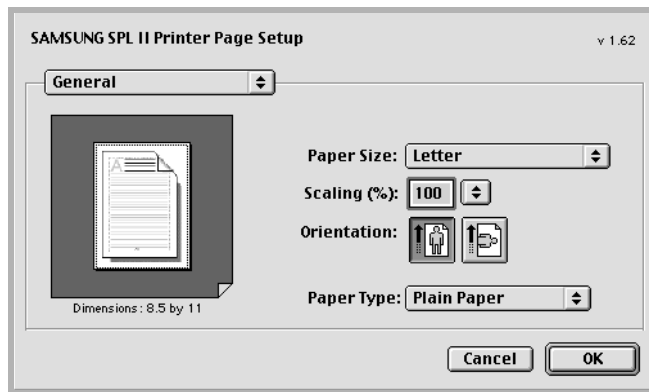
- 1 Click **Printer Center**.
- 2 Select **Samsung SCX-4100 Series** and then **Make Default**.

If you cannot find the Samsung SCX-4100 printer, click **Add** to add the printer. Then make sure that your computer and machine are connected to the USB cable and the machine is turned on.

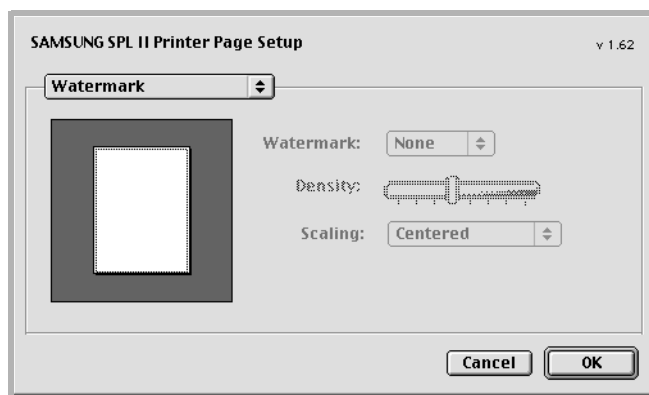
Printing a Document

When you print with a Macintosh computer, you need to check the printer software setting in each application you use. Follow these steps to print from a Macintosh:

- 1 Open a Macintosh application and select a file you want to print.
- 2 Open the **File** menu, and click **Page Setup (Document Setup** in some applications).
- 3 Choose your paper size, orientation, paper type, and other options, and click **OK**.

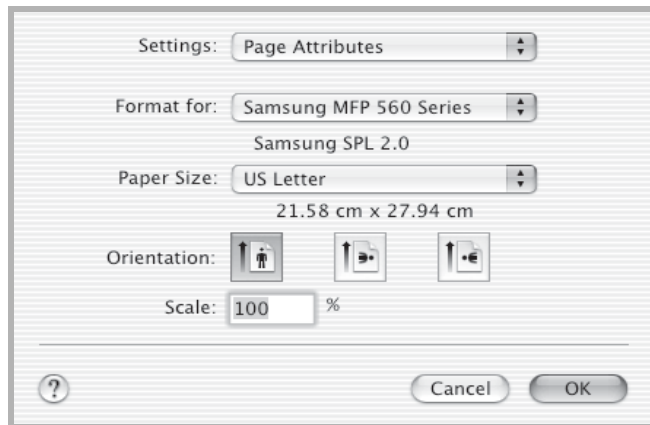


Choose **Watermark** to add a watermark to each page in your document to emphasize its purpose or indicate how it should be handled. For details about watermark options, see page 3.15.



Mac OS 9.2 ▲

For Mac OS 10.x, select **Samsung SCX-4100 Series** in the **Format for** option.

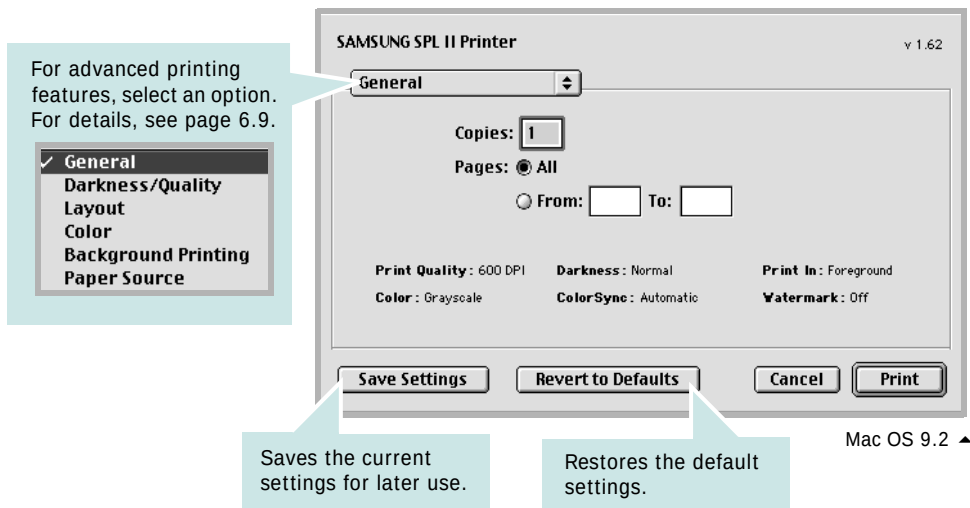


Mac OS 10.1 ▲

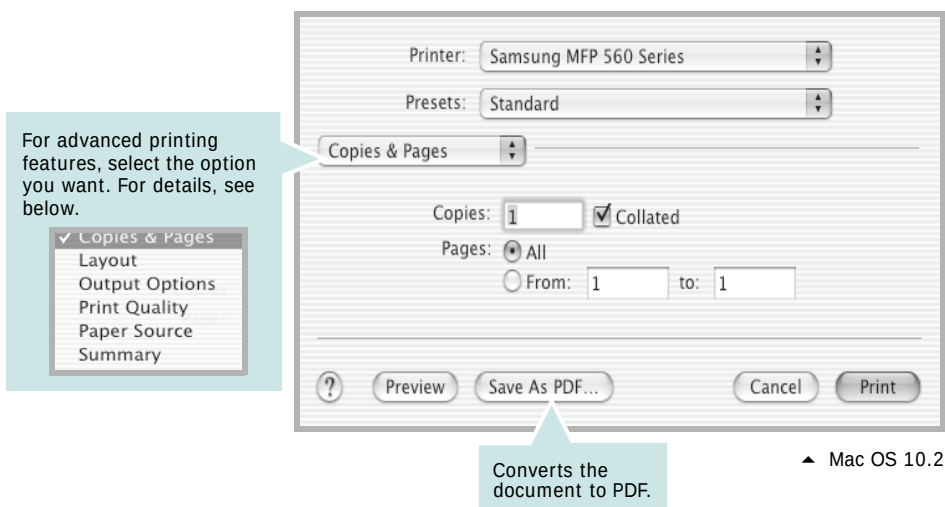


NOTE: The Watermark feature is not supported on Mac OS 9.1 or higher.

- 4 Open the **File** menu and click **Print**. The SAMSUNG SPL II Printer window appears.
- 5 Choose the number of copies and indicate which pages you want to print.



Mac OS 9.2 ▲



6 Click **Print** when you finish setting the options.

Using Advanced Printing Features

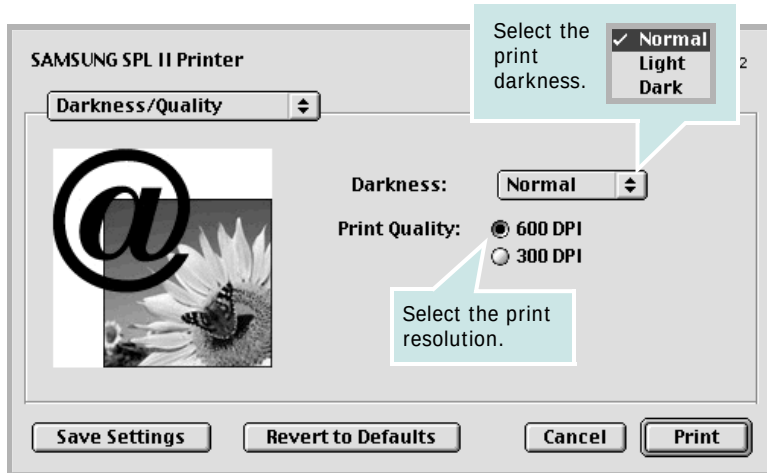
Mac OS 8.6 ~ 9.x

The SAMSUNG SPL II Printer window contains five categories of advanced properties. Listed below is the name of each property.

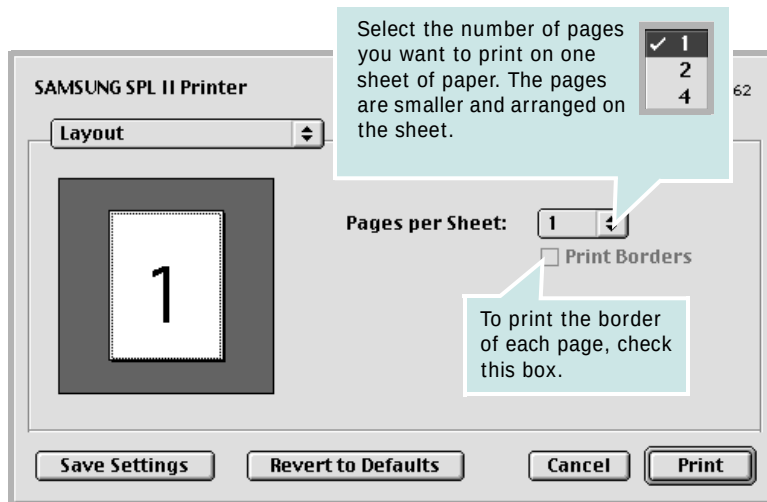
- Darkness/Quality
- Layout
- Color
- Background Printing
- Paper Source

The figures on the next pages display each property in the SAMSUNG SPL II Printer window:

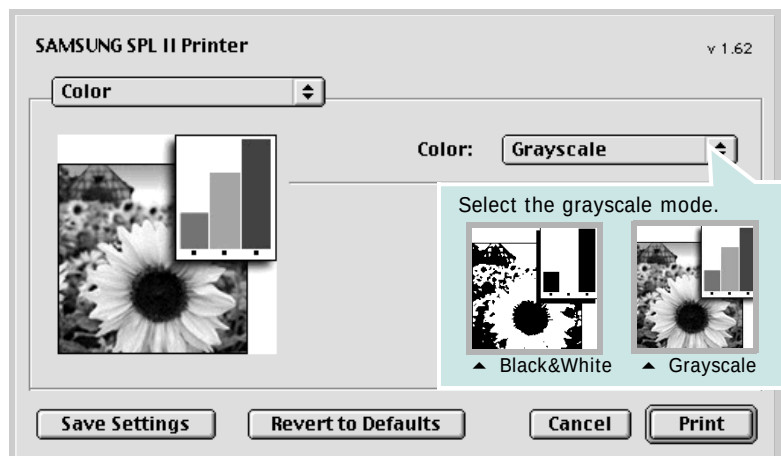
Darkness / Quality



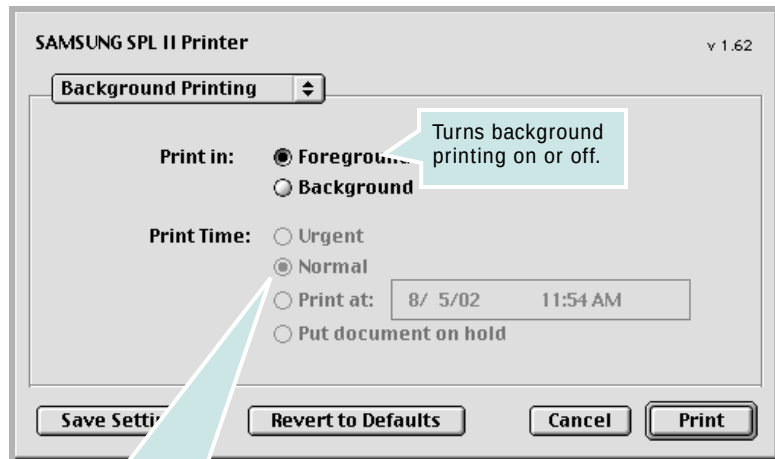
Layout



Color



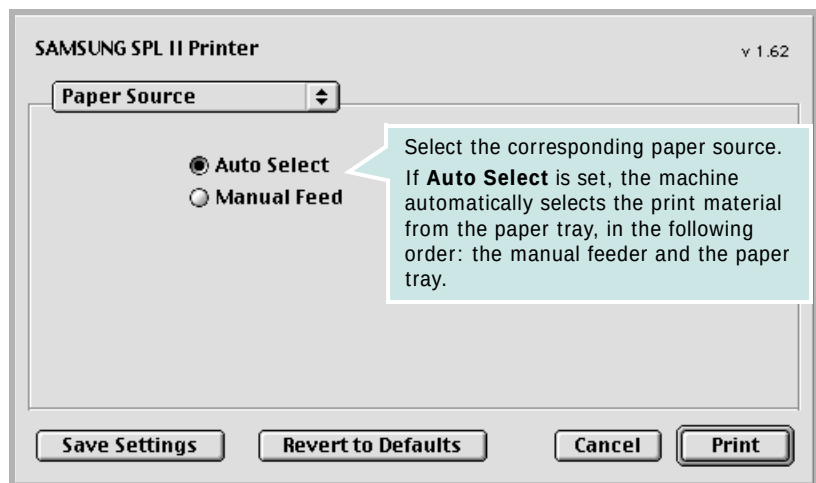
Background Printing



To select priority for your print job in the queue of jobs waiting to print, click one of the following:

- **Urgent:** to print before any Normal priority job.
- **Normal:** to print in the order the job is received.
- **Print at:** to print at the specific time you enter in the day and time fields to the right.
- **Put document on hold:** to hold the print job in the print queue until you are ready to release it.

Paper Source



Mac OS 10.x

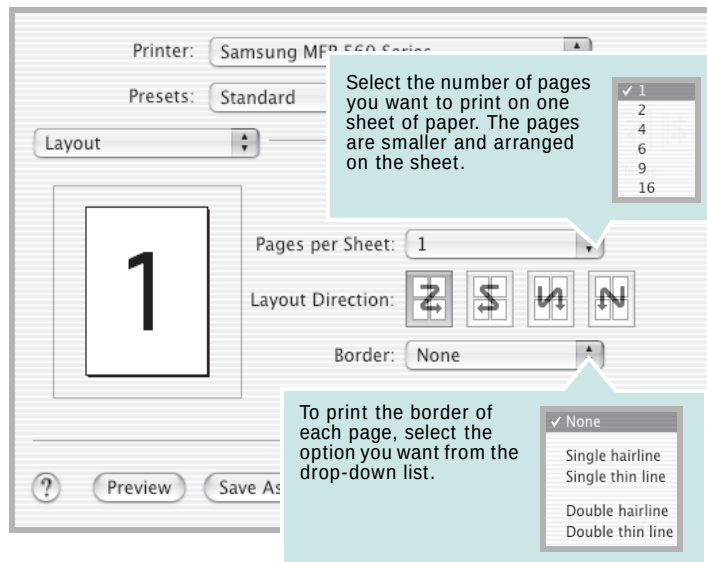
The Samsung SPL II Print window contains five categories of advanced properties. Listed below is the name of each property.

- Layout
- Output Option
- Print Quality
- Paper Source
- Summary

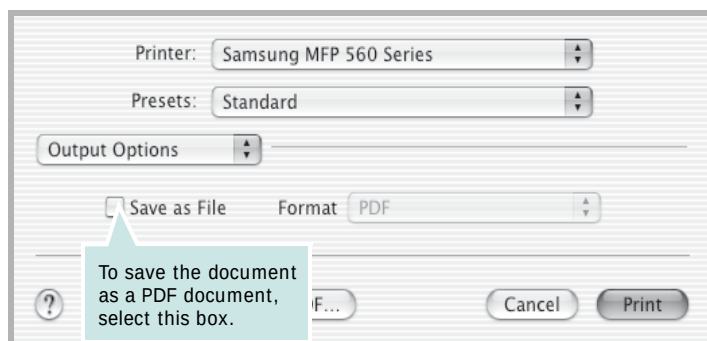


NOTE: Some of feature are not supported on Mac OS 10.X such as Paper Type, Grayscale and Back & White.

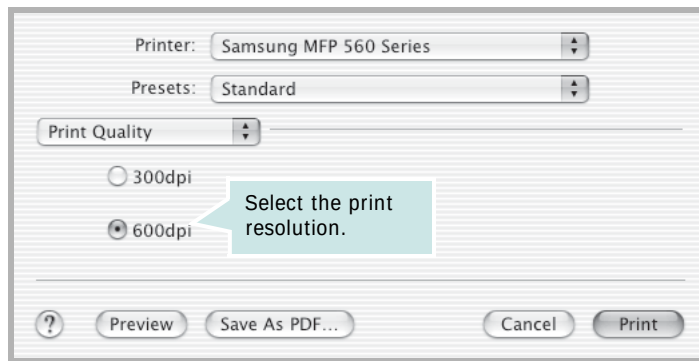
Layout



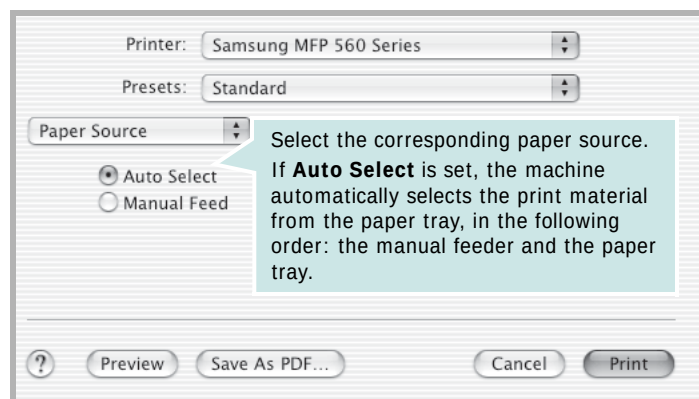
Output Option



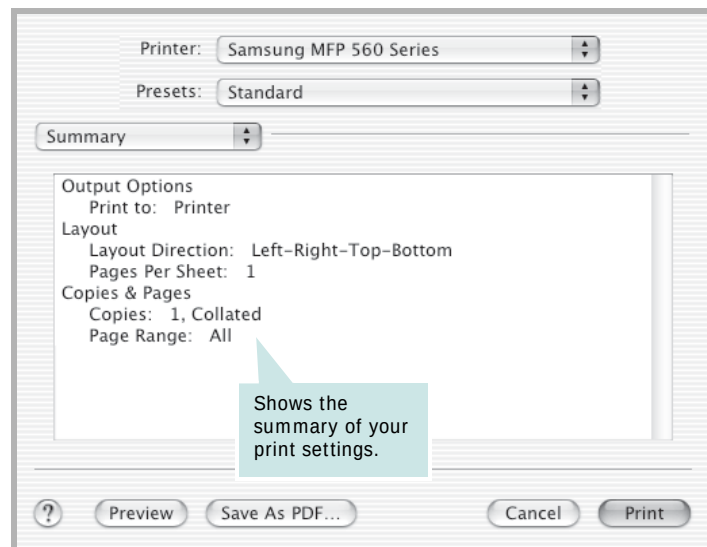
Print Quality



Paper Source



Summary



Using Your Printer in Linux

Getting Started

The supplied CD-ROM provides you with Samsung's MFP driver package for using your machine with a Linux computer.

Samsung's MFP driver package contains printer and scanner drivers, providing the ability to print documents and scan images. The package also delivers powerful applications for configuring your machine and further processing of the scanned documents.

After the driver is installed on your Linux system, the driver package allows you to monitor a number of MFP devices via fast ECP parallel ports and USB simultaneously. The acquired documents can then be edited, printed on the same local MFP or network printers, sent by e-mail, uploaded to a FTP site or transferred to an external OCR system.

The MFP driver package is supplied with a smart and flexible installation program. You don't need to search for additional components that might be necessary for the MFP software: all required packages will be carried onto your system and installed automatically; this is possible on a wide set of the most popular Linux clones.

Installing the MFP Driver

System Requirements

Supported OS

- Redhat 7.1 and above
- Linux Mandrake 8.0 and above
- SuSE 7.1 and above
- Caldera OpenLinux 3.1 and above
- Turbo Linux 7.0 and above
- Slackware 8.1 and above

Recommended Hardware Requirements

- Pentium II or higher
- RAM 64 MB or higher
- HDD 200 MB or higher



NOTES:

- It's also necessary to claim swap partition of 200 MB or larger for working with large scanned images.
 - The Linux scanner driver supports the optional resolution at maximum. see "Scanner and Copier Specifications" on page A.3.
-

Software

- Linux Kernel 2.4 or higher
- Glibc 2.2 or higher
- CUPS
- SANE 1.4 or higher

Installing the MFP Driver

- 1 Make sure that you connect your machine to your computer. Turn both the computer and the machine on.
- 2 When the Administrator Login window appears, type in *root* in the Login field and enter the system password.



NOTE: You must log in as a super user (*root*) to install the printer software. If you are not a super user, ask your system administrator.

- 3 Insert the printer software CD-ROM. The CD-ROM will automatically run.

If the CD-ROM does not automatically run, click the  icon at the bottom of the desktop. When the Terminal screen appears, type in:

```
[root@localhost root]#cd /mnt/cdrom/Linux
```

```
[root@localhost root]#./install.sh
```

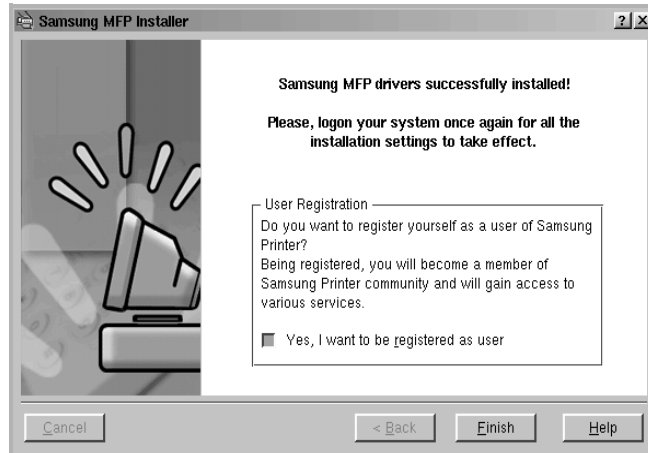


NOTE: The installation program runs automatically if you have an autorun software package installed and configured.

- 4 Click **Install**.
- 5 When the welcome screen appears, click **Next**.



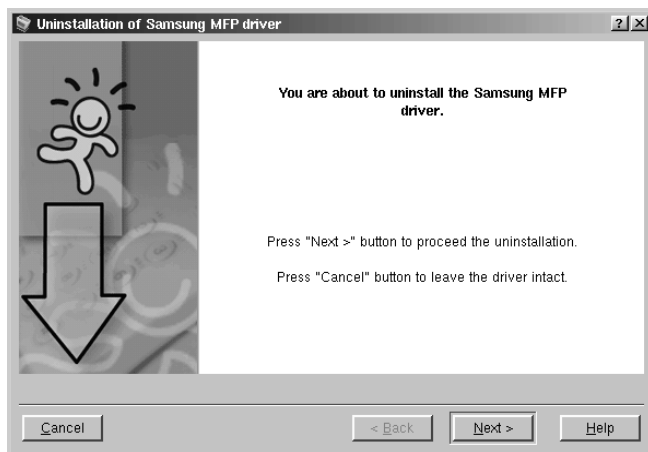
- 6 When the installation is completed, click **Finish**.



The installation program has added the MFP Configurator desktop icon and Samsung MFP group to the system menu for your convenience. If you have any difficulties, consult the on-line help that is available through your system menu or can otherwise be called from the driver package windows applications, such as MFP Configurator or Image Editor.

Uninstalling the MFP Driver

- 1 From the Startup Menu icon () at the bottom of the desktop, select **Samsung MFP** and select **Samsung SCX-4100 Series Uninstall**.
- 2 Click **Next**.



- 3 Click **Finish**.

Using the MFP Configurator

MFP Configurator is a tool primarily intended for configuring MFP devices. Since an MFP device combines the printer and scanner, the MFP Configurator provides options logically grouped for printer and scanner functions. There is also a special MFP port option responsible for the regulation of access to an MFP printer and scanner via a single I/O channel.

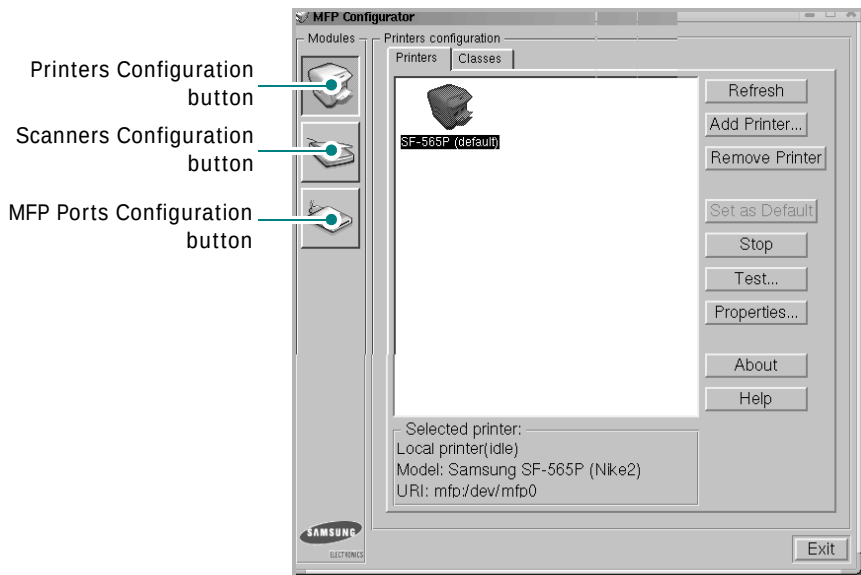
After installing the MFP driver (see page 6.15), the MFP Configurator icon will automatically be created on your desktop.

Opening the MFP Configurator

- 1 Double-click **MFP Configurator** on the desktop.

You can also click the Startup Menu icon and select **Samsung MFP** and then **MFP Configurator**.

- 2 Press each button on the Modules pane to switch to the corresponding configuration window.



You can use the on-line help by clicking **Help**.

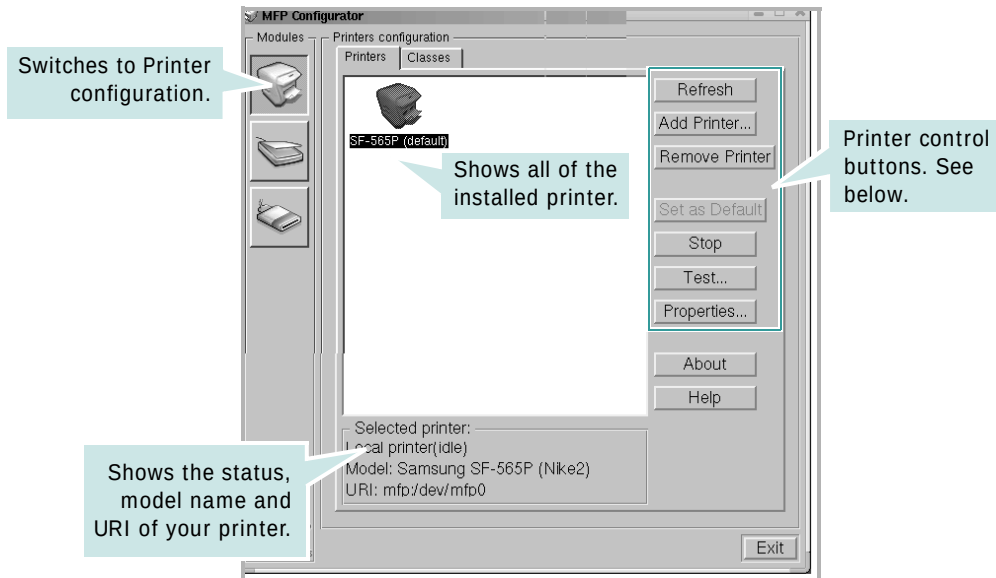
- 3 After changing the configurations, click **Exit** to close the MFP Configurator.

Printers Configuration

Printers Configuration has the two tabs; **Printers** and **Classes**.

Printers Tab

You can see the current system's printer configuration by clicking on the printer icon button on the left side of MFP Configurator window.

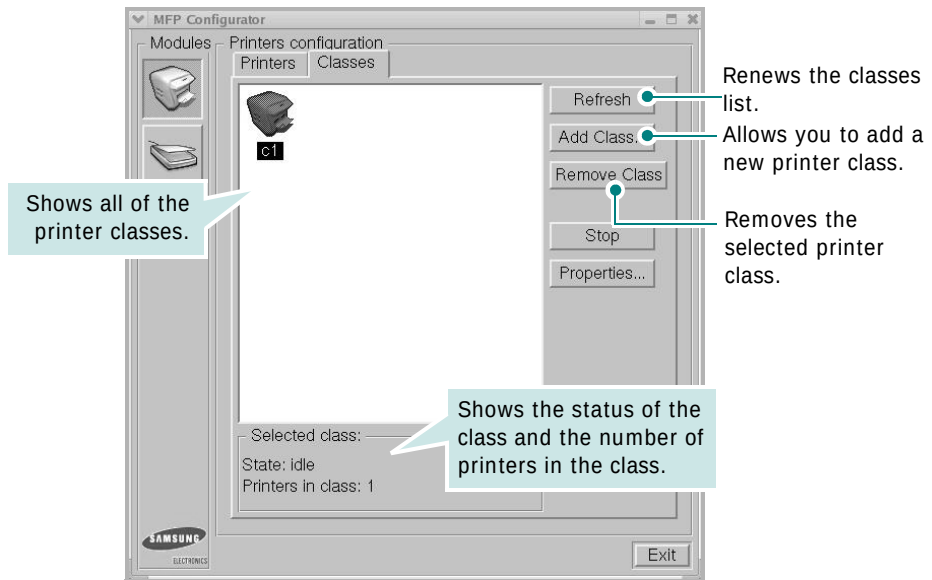


You can use the following printer control buttons:

- **Refresh**: renews the available printers list.
- **Add Printer**: allows you to add a new printer.
- **Remove Printer**: removes the selected printer.
- **Set as Default**: sets the current printer as a default printer.
- **Stop/Start**: stops/starts the printer.
- **Test**: allows you to print a test page to check if the machine is working properly.
- **Properties**: allows you to view and change the printer properties. For details, see page 6.22.

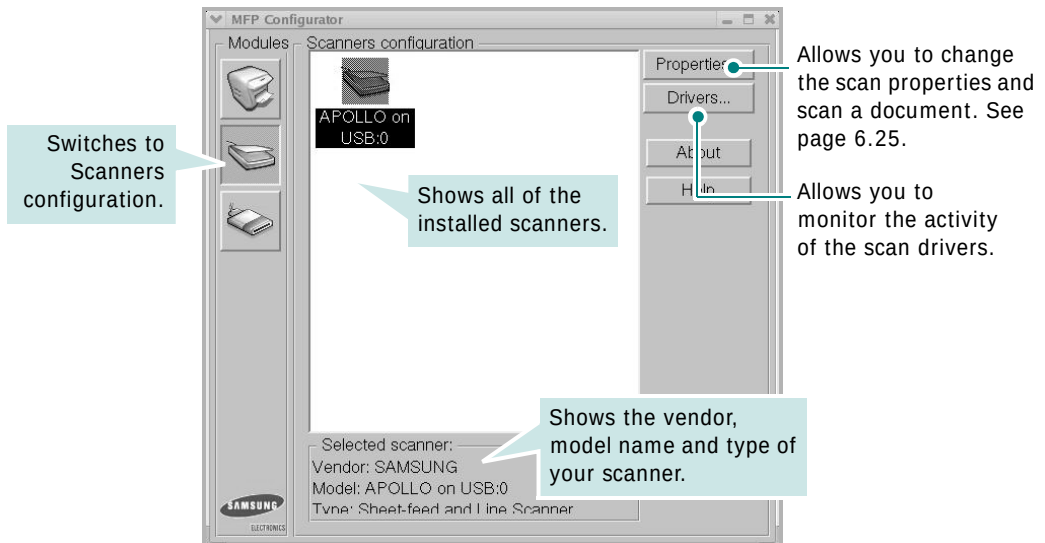
Classes Tab

The Classes tab shows the list of the available printer classes.



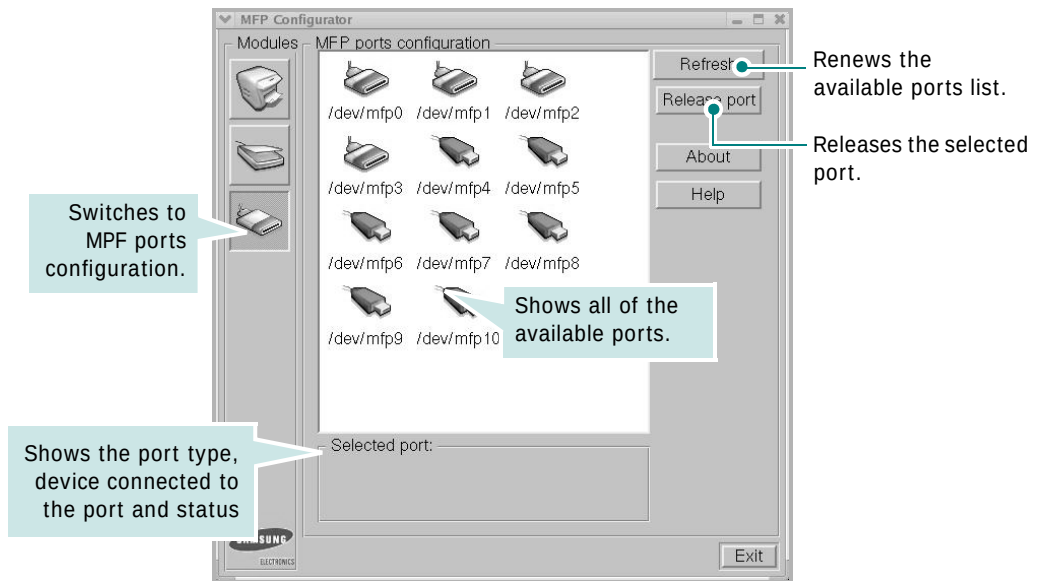
Scanners Configuration

In this window, you can monitor activity of scanner devices, view the list of installed Samsung MFP devices, change device properties, and scan images.



MFP Ports Configuration

In this window, you can view the list of available MFP ports, check the status of each port and release a port that is stalled in busy state when its owner is terminated for any reason.



Sharing Ports Between Printers and Scanners

Your machine may be connected to a host computer via the parallel port or USB port. Since the MFP device contains more than one device (printer and scanner), it is necessary to organize proper access of “consumer” applications to these devices via the single I/O port.

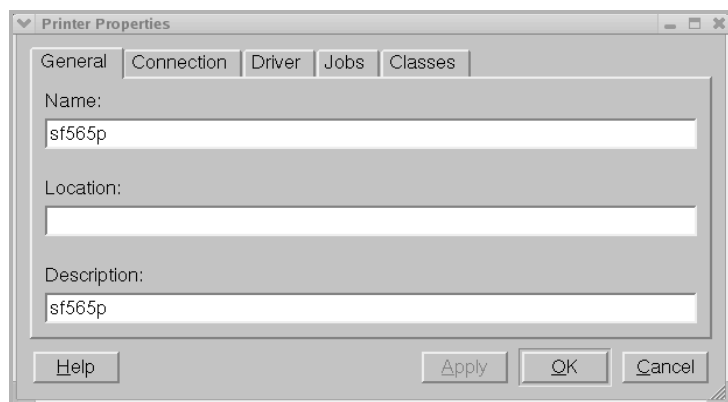
The Samsung MFP driver package provides an appropriate port sharing mechanism that is used by Samsung printer and scanner drivers. The drivers address their devices via so-called MFP ports. The current status of any MFP port can be viewed via the MFP Ports Configuration. The port sharing prevents you from accessing one functional block of the MFP device, while another block is in use.

When you install a new MFP printer onto your system, it is strongly recommended you do this with the assistance of an MFP Configurator. In this case you will be asked to choose I/O port for the new device. This choice will provide the most suitable configuration for MFP's functionality. For MFP scanners I/O ports are being chosen by scanner drivers automatically, so proper settings are applied by default.

Configuring Printer Properties

Using the properties window provided by the Printers configuration, you can change the various properties for your machine as a printer.

- 1 Open the MFP Configurator.
If necessary, switch to Printers configuration.
- 2 Select your machine on the available printers list and click **Properties**.
- 3 The Printer Properties window opens.



The following five tabs display at the top of the window:

- **General**: allows you to change the printer location and name. The name entered in this tab displays on the printer list in Printers configuration.
- **Connection**: allows you to view or select another port. If you change the printer port from USB to parallel or vice versa while in use, you must re-configure the printer port in this tab.
- **Driver**: allows you to view or select another printer driver. By clicking **Options**, you can set the default device options.
- **Jobs**: shows the list of print jobs. Click **Cancel job** to cancel the selected job and select the **Show completed jobs** check box to see previous jobs on the job list.
- **Classes**: shows the class that your printer is in. Click **Add to Class** to add your printer to a specific class or click **Remove from Class** to remove the printer from the selected class.

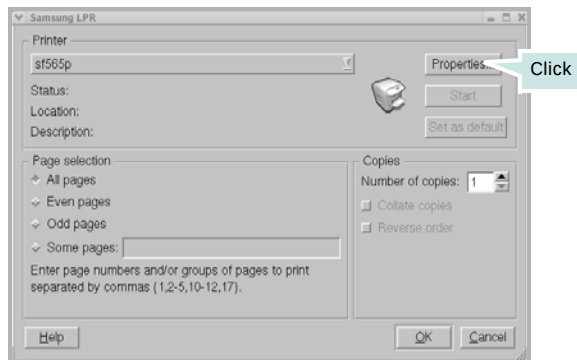
- 4 Click **OK** to apply the changes and close the Printer Properties Window.

Printing a Document

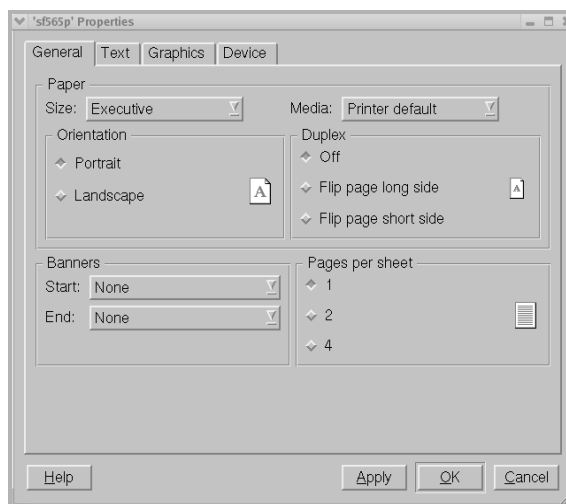
Printing from Applications

There are a lot of Linux applications that you are allowed to print from using Common UNIX Printing System(CUPS). You can print on your machine from any such application.

- 1 From the application you are using, select **Print** from the **File** menu.
- 2 Select **Print** directly using **lpr**.
- 3 In the Samsung LPR window, select the model name of your machine from the Printer list and click **Properties**.



- 4 Change the printer and print job properties.



The following four tabs display at the top of the window.

- **General** - allows you to change the paper size, the paper type and the orientation of the documents, enables the duplex feature, adds start and end banners and changes the number of pages per sheet.
- **Text** - allows you to specify the page margins and set the text options, such as spacing or columns.
- **Graphics** - allows you to set image options that are used when printing images/files, such as color options, image size or image position.
- **Device**: allows you to set the print resolution, paper source and destination.

- 5 Click **OK** to apply the changes and close the sf565p Properties window.
- 6 Click **OK** in the Samsung LPR window to start printing.
- 7 The Printing window appears to allow you to monitor the status of your print job.

To abort the current job, click **Cancel**.

Printing Files

You can print many different types of files on the Samsung MFP device using the standard CUPS way - directly from the command line interface. The CUPS `lpr` utility allows you do that. But the drivers package replaces the standard `lpr` tool by a much more user-friendly Samsung LPR program.

To print any document file:

- 1 Type `lpr <file_name>` from the Linux shell command line and press **Enter**. The Samsung LPR window appears.

When you type only `lpr` and press **Enter**, the Select file(s) to print window appears first. Just select any files you want to print and click **Open**.

- 2 In the Samsung LPR window, select your printer from the list, and change the printer and print job properties.

For details about the properties window, see page 6.23.

- 3 Click **OK** to start printing.

Scanning a Document

You can scan a document using the MFP Configurator window.

- 1 Double-click the MFP Configurator on your desktop.
- 2 Click the  button to switch to Scanners Configuration.
- 3 Select the scanner on the list.



When you have only one MFP device and it is connected to the computer and turned on, your scanner appears on the list and is automatically selected.

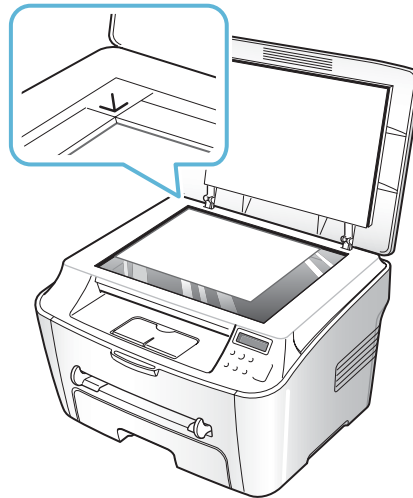
If you have two or more scanners attached to your computer, you can select any scanner to work at any time. For example, while acquisition is in progress on the first scanner, you may select the second scanner, set the device options and start the image acquisition simultaneously.



NOTE: The scanner name shown in Scanners configuration can be different from the device name.

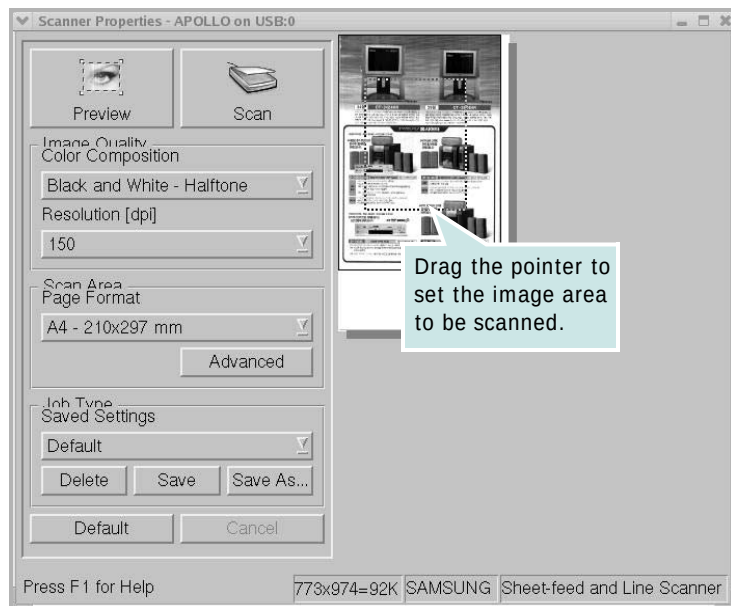
- 4 Click **Properties**.

- 5 Load the document to be scanned **face down** on the document glass.



- 6 Click **Preview** in the Scanner Properties window.

The document is scanned and the image preview appears in the Preview Pane.



7 Change the scan options in the Image Quality and Scan Area sections.

- **Image Quality**: allows you to select the color composition and the scan resolution for the image.
- **Scan Area**: allows you to select the page size. The **Advanced** button enables you to set the page size manually.

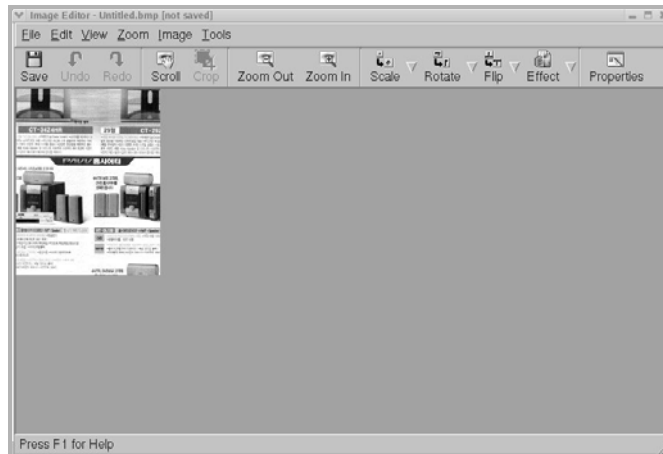
If you want to use one of the preset scan option settings, select from the Job Type drop-down list. For details about the preset Job Type settings, see page 6.28.

You can restore the default setting for the scan options by clicking **Default**.

8 When you have finished, press **Scan** to start scanning.

The status bar appears on the bottom left of the window to show you the scanning progress. To cancel scanning, press **Cancel**.

9 The scanned image appears in the new Image Editor window.



If you want to edit the scanned image, use the toolbar. For further details about editing the image, see page 6.29.

10 When you are finished, click **Save** on the toolbar.

11 Select the file directory where you want to save the image and enter the file name.

12 Click **Save**.

Using Preset Job Type Settings

You can save your scan option settings to retrieve for a later scanning.

To save a new Job Type setting:

- 1 Change the options from the Scanner Properties window.
- 2 Click **Save As**.
- 3 Enter the name for your setting.
- 4 Click **OK**.

Your setting is added to the Saved Settings drop-down list.

To save a Job Type setting for the next scan job:

- 1 Select the setting you want to use from the Job Type drop-down list.
- 2 Click **Save**.

The next time you open the Scanner Properties window, the saved setting is automatically selected for the scan job.

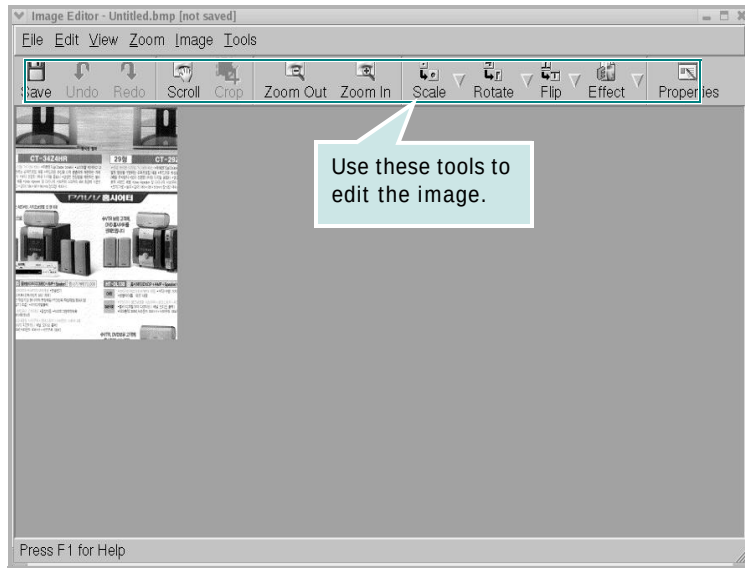
To delete a Job Type setting:

- 1 Select the setting you want to delete from the Job Type drop-down list.
- 2 Click **Delete**.

The setting is deleted from the list.

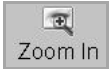
Using the Image Editor

The Image Editor window provides you with menu commands and tools to edit your scanned image.



You can use the following tools to edit the image:

Tools	Function
	Saves the image.
	Cancels your last action.
	Restores the action you canceled.
	Allows you to scroll through the image.
	Crops the selected image area.
	Zooms the image out.

Tools	Function
 Zoom In	Zooms the image in.
 Scale	Allows you to scale the image size; you can enter the size manually, or set the rate to scale portionally, vertically or horizontally.
 Rotate	Allows you to rotate the image; you can select the number of degrees from the drop-down list.
 Flip	Allows you to flip the image vertically or horizontally.
 Effect	Allows you to adjust the brightness or contrast of the image, or to invert the image.
 Properties	Shows the properties of the image.

For further details about the Image Editor program, refer to the on-line help.

Printing from DOS Applications

While your printer is primarily a Windows printer, you can also print from a DOS software program using the Remote Control Panel utility provided in the supplied software CD-ROM.

About the Remote Control Panel

DOS users have access to many printer features through specific DOS printer drivers; however, many software manufacturers do not develop printer drivers for their software programs. The printer provides the software control panel for improved printer control when DOS printer drivers are not available or when certain print settings are not available through DOS software programs.



NOTE: The printer's Remote Control Panel is not a printer driver. It should be used to set print settings that are not available through DOS software programs. Printer drivers are supplied by the manufacturers of your DOS software programs. If your DOS software program does not include a printer driver for your printer, contact the manufacturer of the software program or use one of the alternate printer drivers.

Installing the Remote Control Panel

The Remote Control Panel utility is provided on the printer software CD-ROM.

- 1 Place the CD-ROM in the CD-ROM drive. Installation will start automatically.

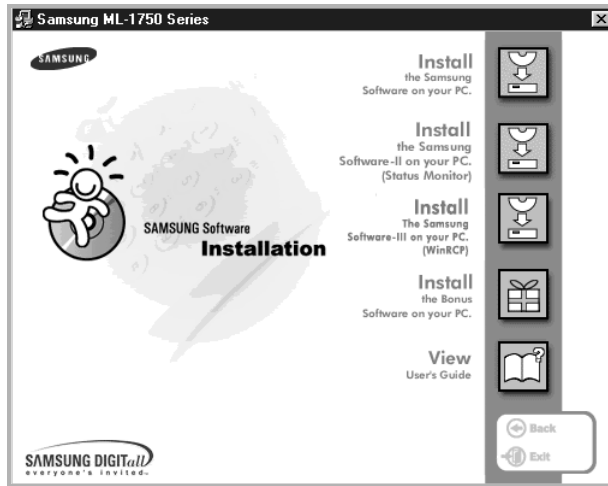
If the CD-ROM drive does not automatically run:

Select **Run** from the **Start** menu, and type **x:\setup.exe** in the Open box (where **x** is the drive letter for the CD-ROM drive), and click **OK**.

- 2 When the language selection window appears, select the appropriate language.

If you can't find the desired language from the screen, scroll through the window using the scroll button on the bottom right of the window.

- 3 Click **Install the Samsung Software-III on your PC (WinRCP)**.



- 4 Click **Next**.

The files are copied into the appropriate directory.

- 5 After the installation is completed, click **Finish**.

Uninstalling the Remote Control Panel

The Uninstall icon in the Samsung SCX-4100 Series program group allows you to select and remove any or all of the Samsung SCX-4100 printing system components.

- 1 From the **Start** menu, select **Programs**.
- 2 Select **Samsung SCX-4100 Series**, and then **Uninstall Remote Control Panel**.
- 3 Click **OK**.

The Samsung SCX-4100 Series Remote Control Panel and all of its components are removed from your computer.

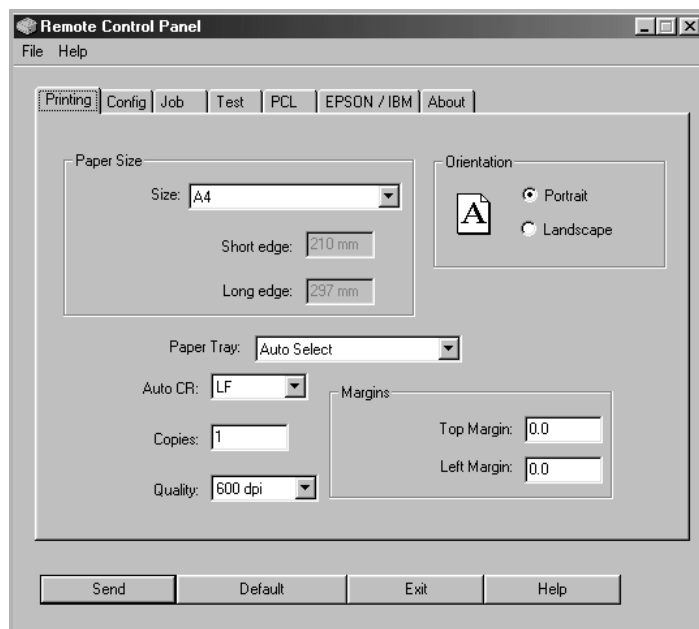
- 4 Click **Finish**.

Selecting Print Settings

You can use this Remote Control Panel to select print settings that may not be available on some DOS programs. Typically, duplicate print settings that are selected from a DOS software program override the ones that are selected in the Remote Control Panel.

Starting Remote Control Panel

- 1 From the **Start** menu, select **Programs**.
- 2 Select **Samsung SCX-4100 Series**, and then **Remote Control Panel**.
- 3 The Remote Control Panel window allows you to access all the information you need when using your printer. If necessary, click other tabs on the top of the window to access other features.

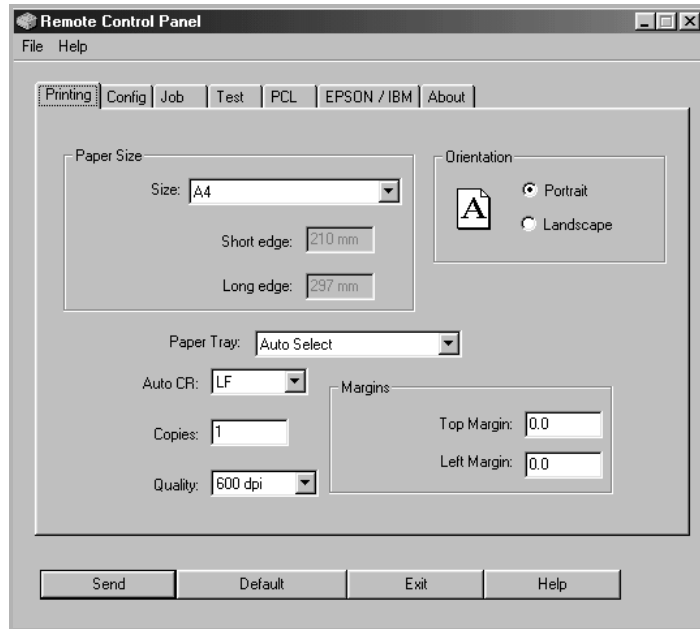


- 4 When you finish changing the settings, click **Send** until the Print window is displayed.

The Remote Control Panel allows you to access the following features:

PRINTING

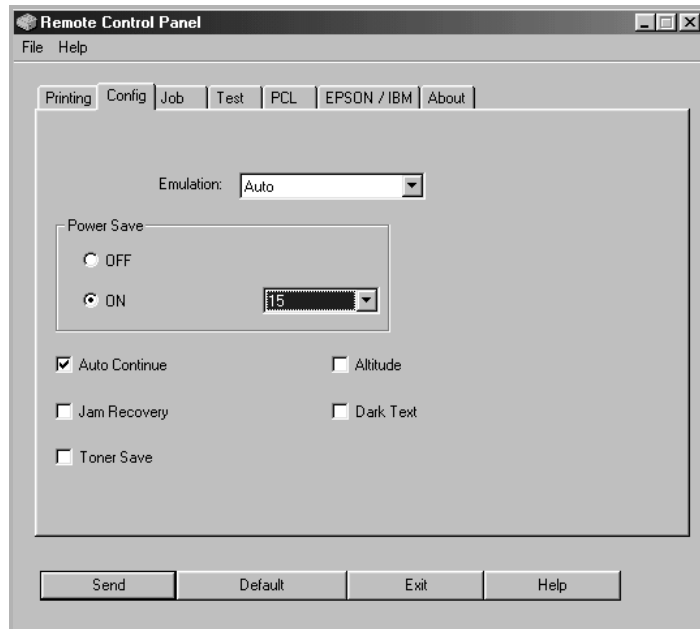
In this tab, you can configure general settings for printing.



- **Paper Size** sets the paper size.
- **Orientation** determines how the output is printed on the page.
- **Paper Tray** sets the default paper source.
- **Auto CR** sets how the printer performs a carriage return.
- **Copies** sets the number of copies printed for each page.
- **Quality** specifies the print quality.
- **Margins** sets the top and left margin of the print material.

CONFIG

You can configure various printer features.

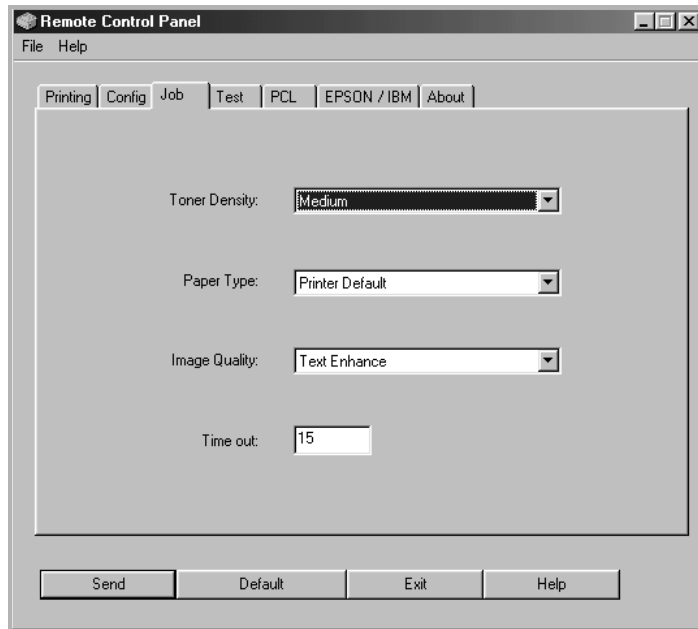


- **Emulation** selects the emulation for printing a document. The factory default is **Auto**.
- **Power Save** determines the length of time the printer waits after a job is printed before it goes to a reduced power state. If the printer is used frequently, select **OFF** which keeps the printer ready to print with the minimum warm-up time. This uses more power to keep the printer warm and ready to print.
- **Auto Continue** determines what action the printer should take when a manual feed print job is sent to the printer. If it is checked, the printer will pick up the paper from the tray after fifteen seconds. Otherwise, the printer will wait for you to load paper in the manual feeder.
- **Jam Recovery** determines what action the printer should take when a paper jam occurs. If it is unchecked, the printer does not reprint a page that has jammed. If it is checked, the printer keeps the image in memory for a printed page until the printer signals that the page has successfully printed. The printer reprints all jammed pages.
- **Toner Save** determines the toner quantity the printer should use when printing. If it is checked, the printer conserves toner when printing. The default value is unchecked, which provides 100% usage.

- **Altitude:** helps the printer optimize its output for a low pressure area, such as a high mountain area.
- **Dark Text:** allows all text in your document to be printed darker than a normal document.

JOB

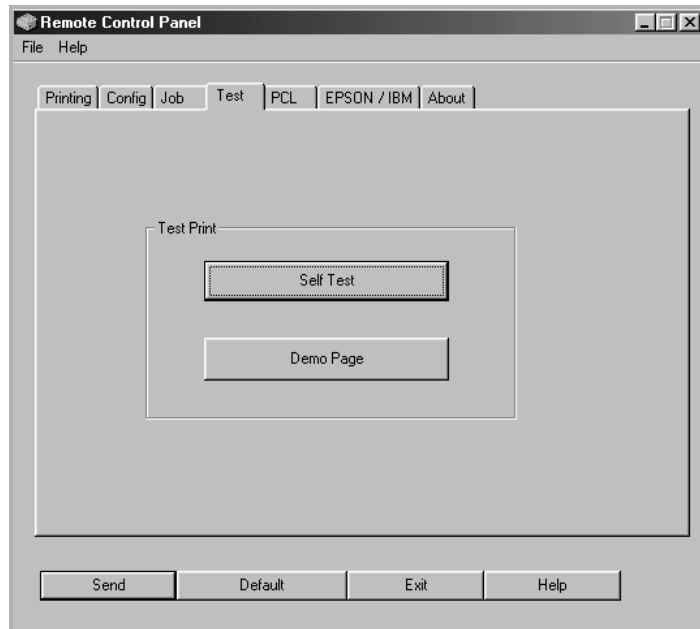
You can set options for improving the quality of your print job.



- **Toner Density** determines the toner density of page. The default value is **Medium**.
- **Paper Type** provides the printer with information about the type of paper to be used for a print job. For the best result, set this to the paper type you loaded in the tray of the printer. When using the plain paper, set this to **Printer default**.
- **Image Quality** improves the print quality of your text and image and make the characters and images appear smoother. It is preset to **Text Enhancement** at the factory.
- **Time out** determines the amount of time (in seconds) the printer will wait before printing the last pag of a print job that does not end with a command to print the page or a formfeed character. You can set from 0 to 300 seconds.

TEST

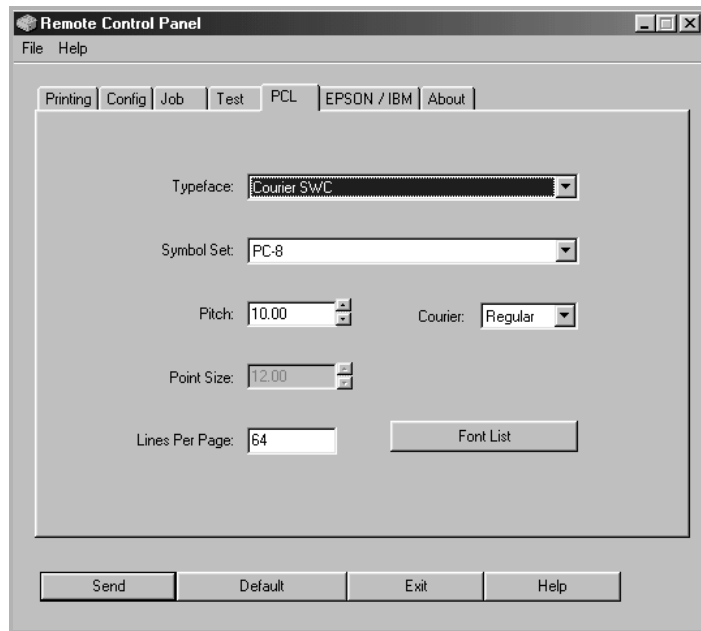
This tab allows you to print a resident page to test your printer's performance.



- **Self Test** prints a configuration sheet. A list of the user default settings and the amount of printer memory available prints.
- **Demo Page** prints a demonstration page. It shows the printer features and specifications.

PCL

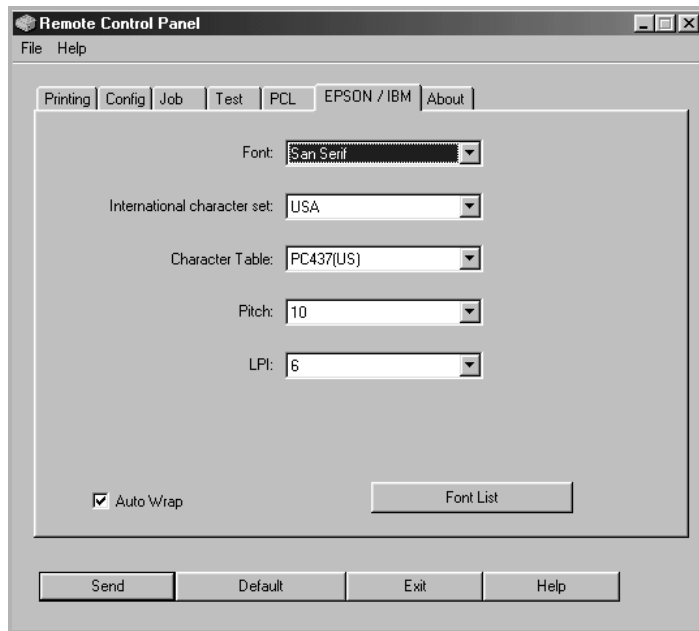
In this tab, you can configure various settings for PCL emulation.



- **Typeface** allows you to select the desired typeface. This setting is ignored when the software application specifies a font.
- **Symbol Set** determines the symbol set. A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols used when printing with a selected font.
- **Pitch** sets the font pitch (only if you have selected a scalable monospaced font). Pitch refers to the number of fixed-space characters in a horizontal inch of type.
- **Point Size** sets the font point size (only if you have selected a scalable typographic font). Point size refers to the height of the characters in the font. One point equals approximately 1/72 of an inch. You can select point sizes from 4.0 to 999.75 in increments of 0.25 points.
- **Lines Per Page** sets the number of lines that print on each page. The setting can range from 5 to 128 lines per page.
- **Courier** determines the courier font type: **Regular** or **Dark**.
- **Font List** prints a font list showing all the fonts available for PCL emulation.

EPSON / IBM

You can configure various settings for EPSON emulation.



- **Font** allows you to select the desired font.
- **International character set** allows you to select a character set of the desired language.
- **Character Table** selects the character sets.
- **Pitch** sets the font pitch. Pitch refers to the number of fixed-space characters in a horizontal inch of type.
- **LPI** sets the number of lines printed a vertical inch. You can select 6 or 8 lines.
- **Auto Wrap** determines whether or not the printer automatically performs line feed when the data overflows the printable area of the print material.
- **Font List** prints a font list showing all the fonts available for EPSON emulation.

MEMO

