

Samsung Photo Printer User's Guide
SPP-2040 Series / SPP-2020 Series

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Important Safety Information

>> Safety Instructions

Your system is designed and tested to meet the latest standards for safety of information technology equipment. However, to ensure safe use of this product, it is important that the safety instructions marked on the product and in the documentation are followed. Always follow these instructions to help guard against personal injury and damage to your system.

Setting Up your System

- Use only with power cord of Dongyang Instrument, ADP-4024W
- Read and follow all instructions marked on the product and in the documentation before you operate your system. Retain all safety and operating instructions for future use.
- Do not use this product near water or a heat source such as a radiator.
- Set up the system on a stable work surface.
- The product should be operated only with the type of power source indicated on the rating label.
- Ensure that the electrical outlet you are using to power your equipment is easily accessible in case of fire or short circuit.
- If your printer has a voltage selector switch, make sure that the switch is in the proper position for your area.
- Openings in the printer case are provided for ventilation. Do not block or cover these openings. Make sure you provide adequate space, at least 6 inches (15 cm), around the system for ventilation when you set up your work area. Never insert objects of any kind into the printer ventilation openings.
- Ensure that the fan vents on the bottom of the casing are clear at all times. Do not place the printer on a soft surface, doing so will block the bottom vents.
- If you use an extension cord with this system, make sure that the total ampere rating on the products plugged into the extension cord does not exceed the extension cord ampere rating.

Care During Use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill anything on the system. The best way to avoid spills is to not eat or drink near your system.
- When the printer is turned off, a small amount of electrical current still flows through the Printer. To avoid electrical shock, always unplug all power cables, before cleaning the system.
- Unplug the system from the wall outlet and refer servicing to qualified personnel if:
 - The power cord or plug is damaged.
 - Liquid has been spilled into the system.
 - The system does not operate properly when the operating instructions are followed.
 - The system was dropped or the casing is damaged.
 - The system performance changes.

Replacement Parts and Accessories

Use only replacement parts and accessories recommended by manufacturer.

- To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.
- Do not use this product in areas classified as hazardous. Such areas include patient care areas of medical and dental facilities, oxygen rich environments, or industrial areas.



Power Cord Requirements

The power cord set (wall plug, cable and AC adapter plug) you received with your printer meets the requirements for use in the country where you purchased your equipment.

Power cord sets for use in other countries must meet the requirements of the country where you use the printer. For more information on power cord set requirements, contact your authorized dealer, reseller, or service provider.

General Requirements

The requirements listed below are applicable to all countries:

- The length of the power cord set must be at least 6.00 feet (1.8m) and a maximum of 9.75 feet (3.0m).
- All power cord sets must be approved by an acceptable accredited agency responsible for evaluation in the country where the power cord set will be used.
- The power cord set must have a minimum current capacity of 7 A and a nominal voltage rating of 125 or 250 volts AC, as required by each country's power system.

This user's guide is for both SPP-2040 Series and SPP-2020 Series.
However the instructions and pictures contained in this user's guide are mainly for SPP-2040 Series users. Make sure the model and serial number before reading this user's guide.

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1. Getting started

You can print Images with the Samsung SPP-2040 and SPP-2020 Series photo printer directly from your digital camera and memory card without connecting to a computer.

This package contains the SPP-2040 or SPP-2020 Series photo printer, accessories, a user's guide and an installation CD. Please check that you have product and accessories after unpacking.

This user's guide will explain how to print images and use the photo printer.

Please read the user's guide before operating the photo printer.

• Name of each part

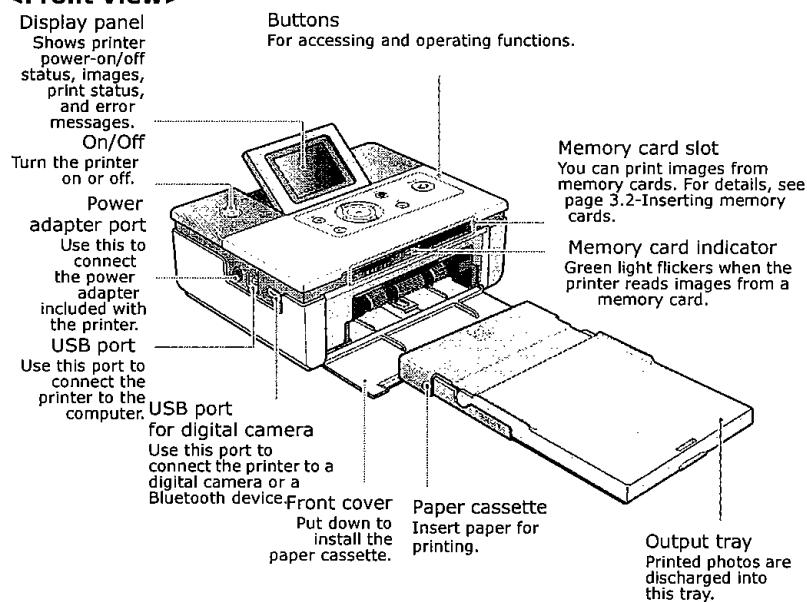


Name of each part

This user's guide explains how to use the photo printer SPP-2040 and SPP-2020 Series. SPP-2020 Series printer is not equipped with a display panel.

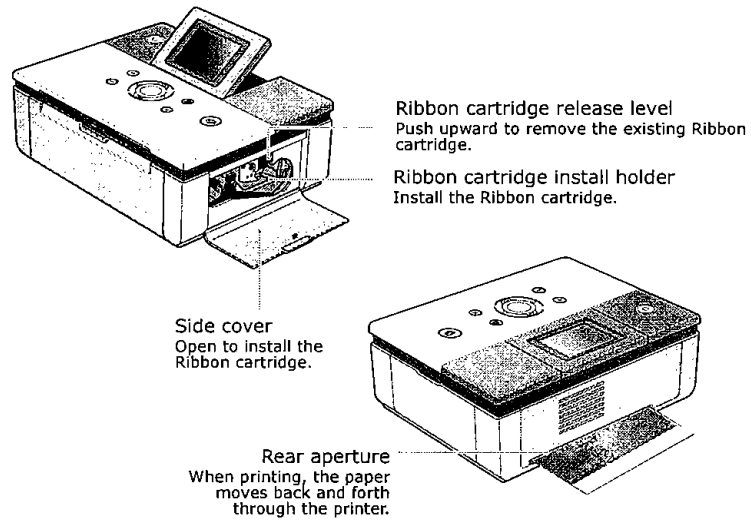
>> SPP-2040 Series Photo Printer

<Front View>



Name of each part 

<Side and Rear View >



<Display>

Copies
Shows the number of copies being made of the current image.



Total copies
Shows the total number of copies to be printed.

Image Number
Shows the order of images.

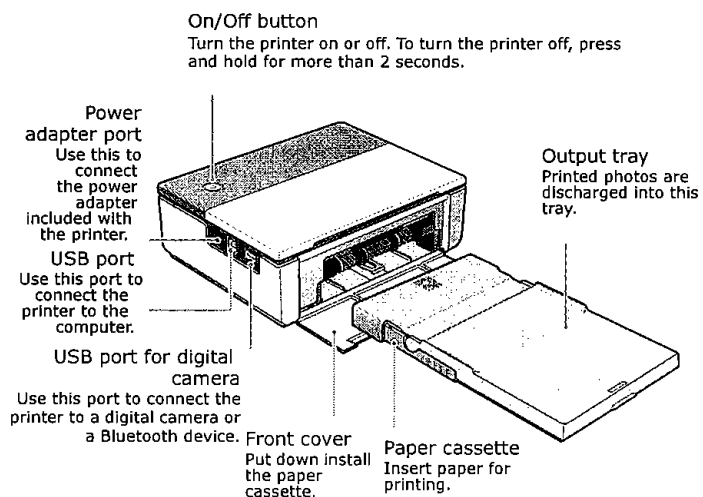
 Name of each part

<Buttons>

	On/Off	Turn the printer on or off. To turn the printer off, press and hold for more than 2 seconds.
	Zoom In	Zoom in of the image.
	Zoom Out	Zoom out of the image.
	Up/Down	Select the number of copies you want to print.
	Left/Right	Move to the next image in the menu.
	OK	Change menu settings.
	Cancel	Cancel or stop printing, or cancel menu setting changes.
	Menu	Access menus to use effects and other functions.
	Print	Print images.

>> SPP-2020 Series Photo Printer

<Front View>

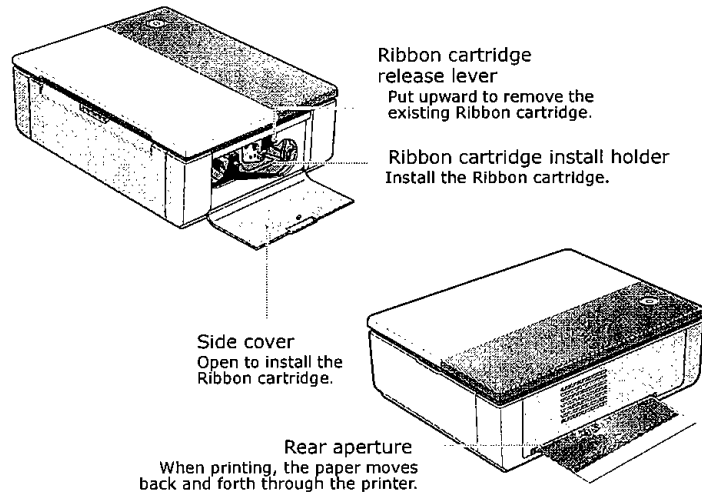


Name of each part 

<On/Off button light indications>

Color	State	Message
Blue	On	An image is ready to be printed
	Flickers at 1 second of interval	An image is being printed.
Red	On	Paper jam, paper movement error, print error. Turn the printer off and on.
	Flickers at 1 second of interval	The image to be printed is not of a supported format or there is a JPEG file error. You can do other print jobs without any operation.
	Flickers at 0.5 second of interval	No paper, paper size error, paper type error, cartridge error. You can do other print jobs after solving the problems.

<Side and Rear View >



 Name of each part

Accessories



Power adapter



Paper Cassette



Ribbon cartridge
(for 10 pieces printing)



Power cord



User's guide (Memory Card)
(Only for SPP-2040 Series)



Quick installation guide



USB cable



Paper (10 pieces)



Software program CD



The appearance of the power cord may differ depending on the country's specifications.
Depending on your country, the USB cable may not be supplied with your printer.

2. Installation

This photo printer prints images by moving the print paper back and forth through the printer. This chapter details the distances that need to be maintained between the printer and surrounding objects, how to turn the printer on and off, and how to load paper. To ensure quick and easy printing, please read this chapter.

- **Installing the Ribbon cartridge**
- **Loading paper**
- **Connecting the power cord**



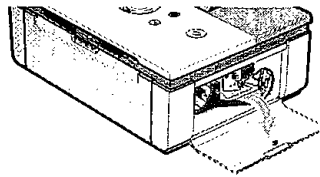
Installing the Ribbon cartridge

Only use Samsung-approved ribbon cartridges, designed for your printer.
Ribbon cartridge/photo paper: IPP-4640G
The supplied Ribbon cartridge allows you to print 10 pieces of paper.



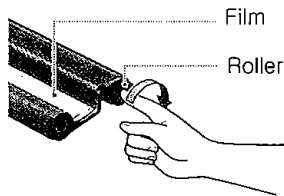
Do not use sharp objects, such as a knife or scissors, to open the ribbon cartridge package. You could damage the surface of the ribbon cartridge.
Do not touch the ribbon cartridge film.
Keep the ribbon cartridge where the air is not too humid and the temperature is not too high and expose it to light directly.

1 Open the side cover.

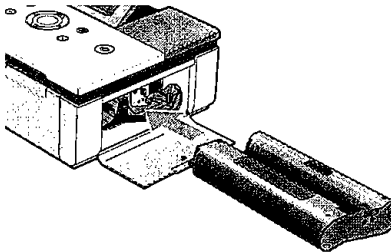


2 After removing the cartridge from its package, rotate the roller to smooth out wrinkles or uneven areas in the film.

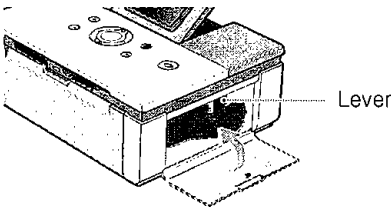
If the film is not even, it could be damaged during installation.



3 Insert the cartridge in the direction in the shown illustration.



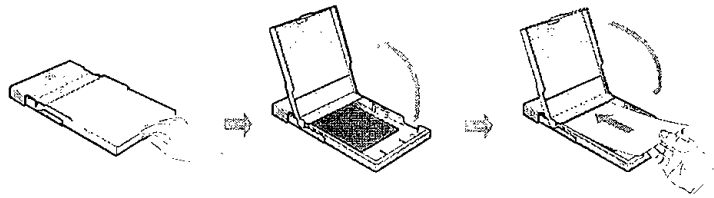
4 Make sure that the cartridge is under the lever and then close the side cover.



Loading paper

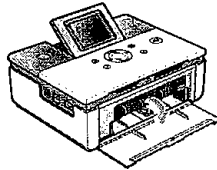
The supported paper size is Postcard(102x152mm/4"x6") size. You should use only paper designed for Samsung Photo Printer.

- 1 Open the paper cassette. Load the paper shiny side up. Ensure that it is laid flat, and close the cover.**

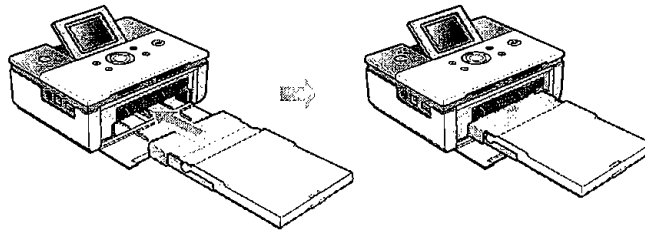


Do not load more than 20 sheets of paper.
Do not touch the surface of the paper.
Only use approved paper: IPP-4640G
You can not print if the spare portions of the paper has been defaced or cut off.
Do not insert the paper cassette when the printer is turned on.
Paper should be stored flat.
Keep the paper where the air is not too humid and the temperature is not too high and do not expose it to light directly.

- 2 Open the front cover of the printer.**



- 3 Push the paper cassette into the printer completely.**

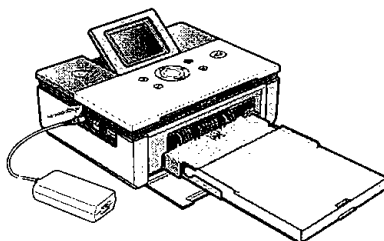




Connecting the power cord

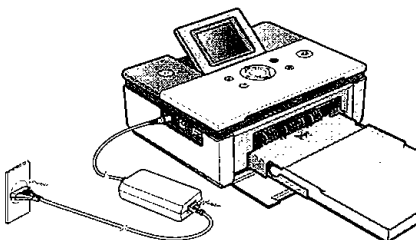
To turn on the printer, you need the power cord and the power adapter. Connect the power adapter to the printer and connect the power cord to the an wall outlet or other power source.

- 1 Connect the end of the power adapter to the power adapter port of the printer.**



- 2 Connect the power cord to the power adapter and connect the cord to the wall outlet or power source.**

Make sure the power adapter does not block the printer's rear aperture.



- 3 Press the On/Off button. The printer will turn on after about 5 seconds.**



Do not disassemble the printer when the printer is turned on.
There is danger of electric shock.
Do not insert the paper cassette when the printer is turned on.

3. Printing from memory cards (For SPP-2040 Series only)

This printer can print images from seven kinds of memory cards. You can choose specific copy, size and language options without connecting to a computer.

- **Inserting memory cards**
- **Printing images**
- **Printing multiple images**
- **Printing images using multi-display**
- **Printing enlargements of portions of an image**
- **Setting various effects**
- **Setting additional functions**
- **Printing DPOF files**
- **Removing memory cards**



Inserting memory cards

This printer can read seven kinds of memory cards. The memory cards support up to 2GB.

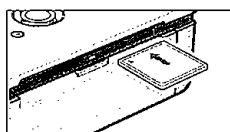


Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information)
Removing the card while in use may cause damage to the printer, the memory card or the information stored on the card.

Insert one memory card only. Do not force a card into the memory card slot as this may cause damage to your printer.

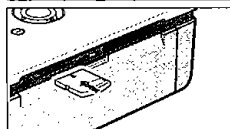
Do not attempt to insert a non-supported memory card into the printer.
Do not attempt to insert a memory card that has dust or dirt on its surface.
This may cause problems.

Insert the card according to the following instructions.



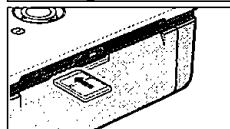
CompactFlash Type I & II

The label and the arrow should be facing up.
Insert the memory card until it stops.



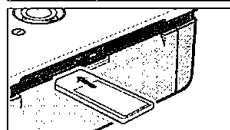
xD-Picture Card

The label should be facing up with the arrow pointing into the printer and the metal contacts facing down.
Insert the memory card until it stops.



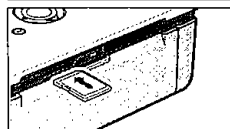
MultiMediaCard

The angled corner should be on the right, the label facing up and the arrow pointing into the printer.
Insert the memory card until it stops.



Memory Stick/Memory Stick-PRO

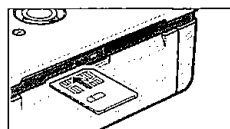
The angled corner should be on the left, the arrow pointing into the printer and the metal contacts facing down. Insert the memory card until it stops.



Secure Digital

The label should be facing up and the angled corner should be on the right with the metal contacts facing down.

Insert the memory card until it stops.



SmartMedia

The angled corner should be on the right and the arrow pointing into the printer with the metal contacts facing up.

Insert the memory card until it stops.



Printing images

If you can see images on the display panel, select one and print it.



Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information) Removing the card while in use may cause damage to the printer, the memory card, or the information stored on the card.

Insert one memory card only.

When a paper jam occurs during printing, do not pull out the jammed paper. After turning the power off and then on again, the jammed paper should come out automatically.

If you remove the memory card while printing a job, the printing job will be canceled.

1 Insert the memory card.

For details about inserting memory cards, see page 3.2-Inserting memory cards.

2 Press the Left and Right buttons to select an image from those on the display panel.

The image number displays in the bottom right corner.

Images in file formats not supported by the printer are not displayed and cannot be printed.



Image Number

3 Press the Up and Down buttons to select the number of copies to print.

If you want to print a single copy, just press the Print button.

The number of copies you have selected displays in the upper left corner.

To apply various effects, see page 3.9-Setting various effects. To select additional printing or printer functions, see page 3.10-Setting additional functions.

Copies



4 Press the Print button and press it again to start printing.

After printing, the number of copies to print reverts to '0.'



When you press the Cancel button to cancel a printing job or if a paper jam occurs, one page of the ribbon cartridge's life is used, even if an image is not completely printed.





Printing multiple images

You can select a group of images and a number of copies to be printed of each, rather than separately selecting the number of copies for each photo.



Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information) Removing the card while in use may cause damage to the printer, the memory card or the information stored on the card.
Insert one memory card only.
When a paper jam occurs during printing, do not pull out the jammed paper. After turning the power off and then on again, the jammed paper should come out automatically.
If you remove the memory card while printing a job, the printing job will be canceled.

1 Insert the memory card.

For details about inserting the memory cards, see page 3.2-Inserting memory cards.

2 Press the Left and Right buttons to select an image from those on the display panel.

The image number displays in the bottom right corner.

Images in file formats not supported by the printer are not displayed and cannot be printed.



Image Number

3 Press the Up and Down buttons to select the number of copies.

The number of copies you have selected displays in the upper left corner.

To apply various effects, see page 3.9-Setting various effects. To select additional printing or printer functions, see page 3.10-Setting additional functions.

Copies



Printing multiple images

4 Press the Left and Right buttons to select the previous or next image.

Follow the step 3.

The total copies of the selected image displays in the upper right corner.

Copies Total copies



5 Press the Print button and press it again to start printing.

After printing, the number of copies to print reverts to '0'.





Printing images using multi-display

You can select and print multiple images from the display panel.



Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information). Removing the card while in use may cause damage to the printer, the memory card, or the information stored on the card. Insert one memory card only.

1 Insert the memory card.

For details about inserting memory cards, see page 3.2-Inserting memory cards.

2 Press the Zoom Out button to display four images on the display panel.

Press the Zoom Out button again to display nine images on the display panel.

Press the Zoom In button to return to the four-image display.



3 Press the Left and Right buttons to move to an image on the display panel and then press the OK button to select the image.

The check mark on the bottom left means the number of copies has already been selected.

Press the Right button at the bottom right corner image to move to the next nine image.



4 The selected image displays. You can now start printing.

For details about printing, see page 3.3-Printing images.

To search other images after first choosing the number of copies, press the Zoom Out button.



5 Press the Cancel or OK button when you are finished.



Printing enlargements of portions of an image

You can enlarge and print part of an image.



Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information) Removing the card while in use may cause damage to the printer, the memory card, or the information stored on the card. Insert one memory card only.

1 Insert the memory card.

For details about inserting memory cards, see page 3.2-Inserting memory cards.

2 Press the Left and Right buttons to select an image from those on the display panel.

The image number displays in the bottom right corner.

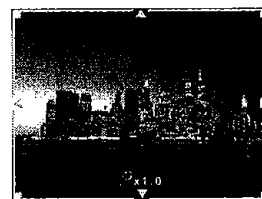
Use the Up and Down buttons to select the number of copies to print.

Images in file formats not supported by the printer are not displayed and cannot be printed.



Image Number

3 Press the Zoom In button.

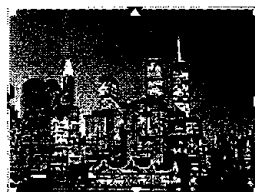


Printing enlargements of portions of an image

4 Press the Zoom In button until the size you want appears.

By pressing the Zoom In button, you can see 1.25x, 1.5x, 1.75x, 2x, 2.25x, 2.5x, 2.75x, 3x enlargement.

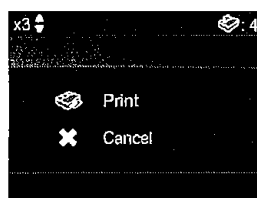
To zoom out of the image, press the Zoom Out button.



5 Press the Left and Right button to select the portion you want.

6 Press the Print button and press it again to start printing.

After printing, the number of copies to print reverts to '0'.

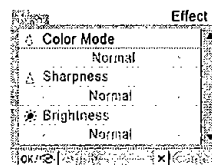




Setting various effects

You can select color, clarity, and brightness options for your images.

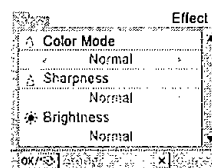
- 1 Press the Menu button after selecting an image with the Left and Right buttons.
The effect you set is only applied only to those images you have selected.
The selected effect is cancelled automatically after printing or turning off the printer.



>> Setting color mode

Press the Up and Down buttons to navigate to 'Color Mode.'
Press the Left and Right buttons to select 'Normal', 'Black & White', 'Sepia', 'Antique', 'Vivid', 'Red', 'Green', 'Blue', 'Warmer', 'Cooler', 'Less Blue', 'Less Yellow'.

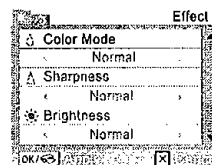
Press the OK button to complete the selection.



>> Setting sharpness

Press the Up and Down buttons to navigate to 'Sharpness.'
Press the Left and Right buttons to select 'Normal', 'Hard' or 'Soft.'

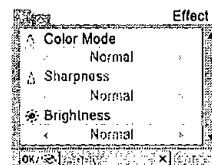
Press the OK button to complete the selection.



>> Setting brightness

Press the Up and Down buttons to navigate to 'Brightness.'
Press the Left and Right buttons to select 'Normal', 'Darker', 'Darkest', 'Auto', 'Lightest' or 'Lighter.'

Press the OK button to complete the selection.





Setting additional functions

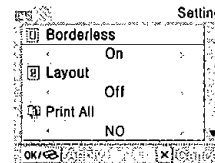
You can set up borders for your photos, layout style and paper size. You can also print all of your images at one time or select an alternative language with your photo printer.

1 Press the Menu button twice after selecting the image with the Left and Right buttons.

If you press the Menu button once, 'Effect' screen appears and if you press the Menu button again, 'Setting' screen appears.

When 'Setting' appears on the display panel, press the Up and Down buttons to navigate to the desired setting.

After printing or turning the printer off and on again, all functions return to their default settings, except for the layout.

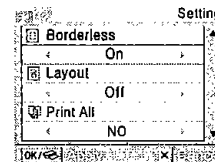


>> Setting borders

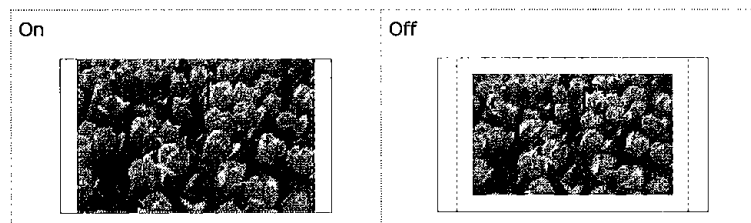
Press the Up and Down buttons to navigate to 'Borderless.'

Press the Left and Right buttons to select 'On' or 'Off.'

Press the OK button to complete the setting.



Images printed with the Borderless setting off and on

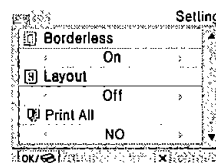


Selecting borderless 'off.' shrinks the image slightly to allow an empty border around the image.

>> Selecting layout

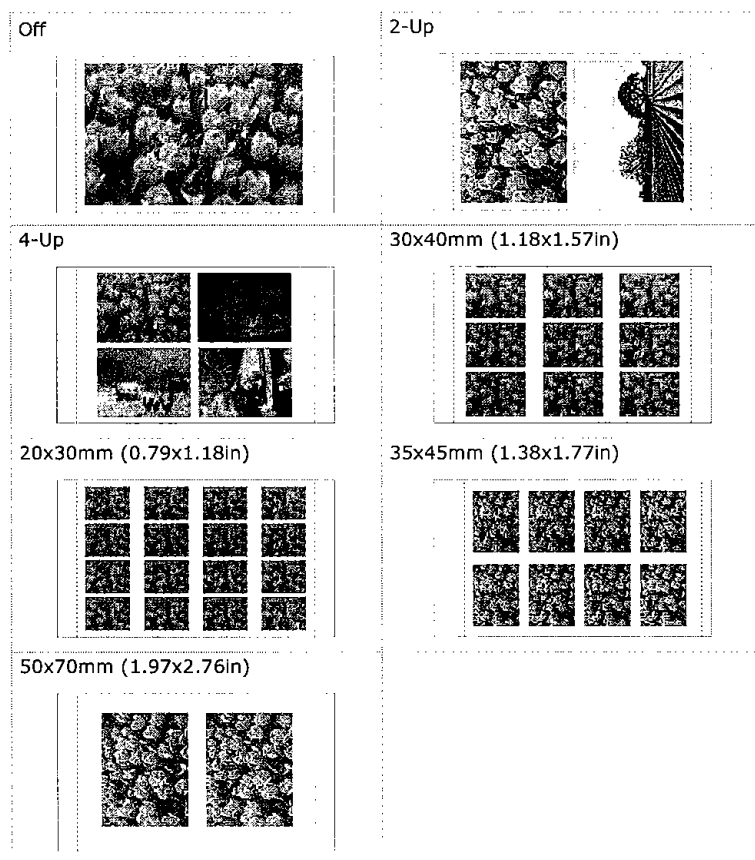
Press the Up and Down buttons to navigate to 'Layout.'

Press the Left and Right buttons to select 'Off', '2-up', '4-up', '30x40mm', '1.18x1.57in', '20x30mm', '0.79x1.18in', '35x45mm', '1.38x1.77in', '50x70mm' or '1.97x2.76in'. Press the OK button to complete the selection.



Images printed with the various layout
(For example: Paper size-Postcard, Borderless-Off)

According to the layout, some portions of the image may not be printed.



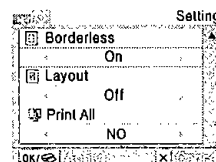
 Setting additional functions

>> **Setting print all function**

Press the Up and Down buttons to navigate to 'Print All.'

Press the Left and Right buttons to select 'No' or 'Yes.'

Press the OK button complete the selection.

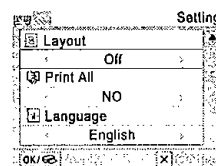


>> **Setting language**

Press the Up and Down buttons to navigate to 'Language.'

Press the Left and Right buttons to select the desired language.

Press the OK button to complete the selection.





Printing DPOF files

If your camera is compatible with and able to store DPOF files, the Samsung Photo Printer can print them.

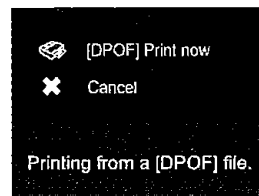
1 Insert the memory card with DPOF files.

For details about inserting the memory cards, see page 3.2-Inserting memory cards.

2 Press the Print button.

Press the Cancel button to print images via the printer regardless of the DPOF file information.

see page 3.3-Printing images and see page 3.10-Setting additional functions.



What is DPOF?

DPOF stands for Digital Print Order Format. With DPOF, a user can select from all of the photos stored on the camera, just those photos he or she wants to print. Then those files are loaded onto a memory card, and the card is inserted into the printer. There is no need to use a computer to separate the photos.



When printing DPOF files, make sure that the AUTPRINT.MRK file is in the memory card's MISC folder.

The printer supports only DPOF version 1.0.

This printer supports only the number of copies indicated in the information of the DPOF file.

When a paper jam occurs during printing, do not pull out the jammed paper. After turning the power off and then on again, the jammed paper should come out automatically.

If you remove the memory card while printing a job, the printing job will be canceled.



Removing memory cards

Please do not remove a memory card until the following steps have been taken.



Do not remove the memory card while the printer is accessing it. (When the memory card indicator is flickering, the printer is reading information) Removing the card while in use may cause damage to the printer, the memory card or the information stored on the card.
Insert one memory card only.
If you remove the memory card while printing a job, the printing job will be canceled.

>> When not connected to a computer

Gently remove the memory card from the printer.

>> When connected to a computer

- 1** Close the program you've used.
- 2** Remove the memory card gently when the memory card indicator stops flickering.

4. Printing directly from your digital camera (For SPP-2020 and SPP-2040 Series)

Samsung Photo Printer supports PictBridge. You can print images directly from your digital camera through a USB cable without connecting to a computer.



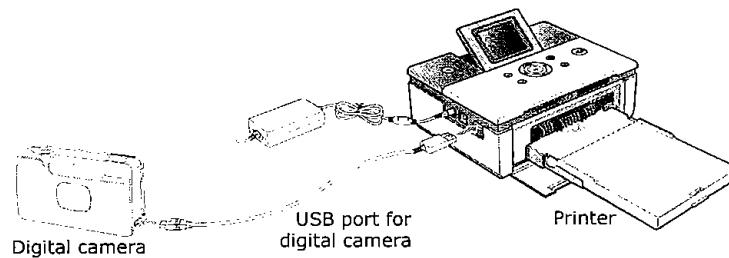
You cannot use a memory card while a digital camera is connected to the printer via a USB cable.



Printing directly from your digital camera

You can print images by connecting a PictBridge-compatible device like a digital camera, camera phone, and camcorder to your printer.

- 1 Turn on the printer.**
- 2 Connect your digital camera to the printer with the USB cable supplied with the camera.**



- 3 Send an order to print images from the PictBridge-compatible device.**

The manner of printing varies depending on the PictBridge-compatible device. Please refer to your device's user's guide.



If you print multiple images on one sheet of your digital camera, the date will not print regardless of your settings.

You can set border, layout, date and DPOF functions from your digital camera, if supported.

When a paper jam occurs during printing, do not pull out the jammed paper. After turning the power off and then on again, the jammed paper should come out automatically.

If you remove the USB cable while printing a job, the printing job will be canceled.

5. Printing via a computer (For SPP-2020 and SPP-2040 Series)

You can print images from programs such as those in the MS Office suite, or any other. With the PhotoThru program included in the CD-ROM, you can print all manner of useful and entertaining images.

- **Connecting your printer to a Windows-based PC**
- **Installing the program for Windows**
- **Deleting the PhotoThru program**
- **Selecting your Photo printer as the default printer in Windows**
- **Printing from a Windows-based computer**
- **Setting up the printer in Windows**
- **Printing with the PhotoThru program in Windows**
- **Installing the program for Macintosh**
- **Setting up the printer in Macintosh**
- **Printing from a Macintosh**
- **Printing using PhotoThru program in Macintosh**
- **Using MSC(Mass Storage Class) function(For SPP-2040 Series only)**
- **Printing with Bluetooth (Optional: SPP-00BA)**

The explanation and pictures in this chapter(Printing via a computer) is focused on the SPP-2040 Series. All contents except the model name of SPP-2020 Series and SPP-2040 Series are same.



Connecting your printer to a Windows-based PC

Connect the Photo printer to the PC with the USB cable supplied with your digital camera. You can connect the Photo printer only with the USB cable.

1 Connect the power cable to the printer.

If the power cable is connected, press the On/Off button to turn the printer on.

For details about the power connection, see page 2.4-Connecting the power cord.

If the power cable is already connected, make sure that the printer is turned on.

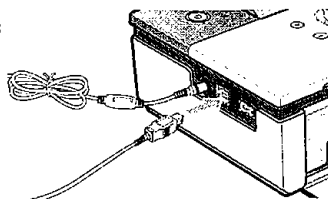
2 Connect the USB cable to printer's USB cable port.

Make sure you insert the USB cable in the proper port.

3 Connect the USB cable to computer's USB cable port.

Make sure you insert the USB cable in the proper port.

The position of the USB port varies depending on the PC.





Installing the program for Windows

Install the program on your Windows-based PC after loading paper and connecting cables. You should install the program version that was supplied with the printer.

>> System requirements

Before you begin, ensure that your system meets the minimum system requirements.

- Supported Windows Operating System: Windows 98/Me/200/XP (32bit)
- Windows 98/Me
 - Processor: Pentium III 400MHz or more (Pentium III 933 MHz recommended)
 - Memory: 128MB or more (256MB recommended)
 - Free hard disk space: 500MB or more (1GB recommended)
 - Internet Explorer: 5.0 or higher (6.0 recommended)
- Windows 2000/XP (32bit)
 - Processor: Pentium III 1GHz or more (Pentium IV 1.5GHz recommended)
 - Memory: 256MB or more (512MB recommended)
 - Free hard disk space: 1GB or more (5GB recommended)
 - Internet Explorer: 5.0 or higher (6.0 recommended)



You must log on as the account administrator to install and delete in Windows 2000/XP.

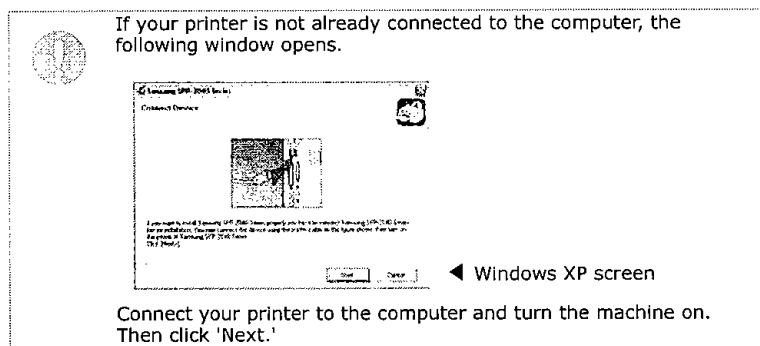
 Installing the program for Windows

>> Installing the program

- 1 Quit all programs.**
- 2 Turn on your PC and click 'Cancel' when the 'Found New Hardware Wizard' screen appears.**
- 3 Insert the supplied software program CD(label-side up) into your CD-ROM drive.**

The installation window appears.

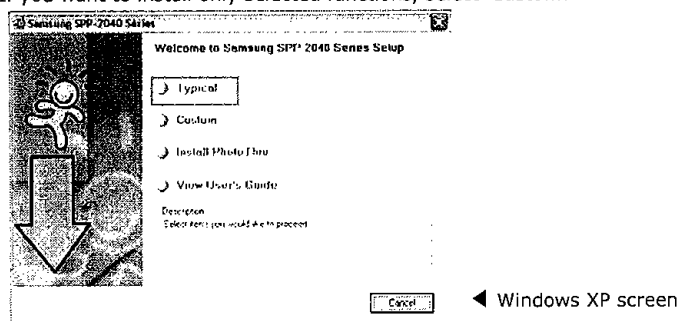
If the installation window does not appear, eject the CD-ROM and insert it again. Or click 'Start' and then 'Run.' Type X:\setup.exe, replacing 'X' with the letter of your drive and click OK.



4 Select 'Typical'.

If you select 'Typical,' 'Printer,' 'Photothru' and 'Status Monitor' are all installed.

If you want to install only selected functions, select 'Custom.'



Installing the program for Windows



If you select 'Custom,' a screen with the list of all program elements appears. Select the desired features and click 'Next.'

If you select 'View User's Guide,' the PDF version of the user's guide will come up. If the Adobe Acrobat program is not installed, it is installed automatically.

If you select 'PhotoThru,' only the PhotoThru program will be installed.

'Printer' is selected in default and you don't have to select it.

5 After the installation is finished, the window asking you to print a test page appears. If you choose to print a test page, elect the check box and click 'Next.'

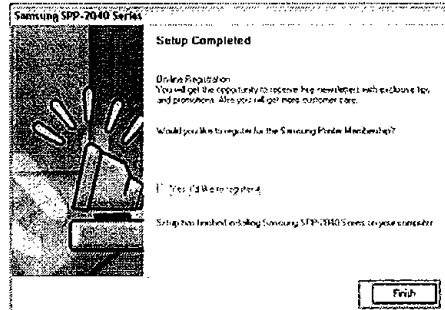
6 When the test page prints out correctly, click 'Yes.'

If not, click 'No' to reprint it.

7 To register yourself as a user of Samsung Printers in order to receive information from Samsung, select the checkbox and click 'Finish'. You are now sent to the Samsung web site.

Otherwise, just click 'Finish.'

You can print images from now. Open the file to print and start printing.



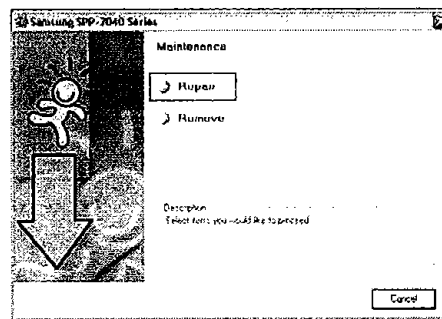
◀ Windows XP screen

 Installing the program for Windows

>> **Reinstalling the Program**

Reinstallation is sometimes necessary if your installation fails or the software does not work properly.

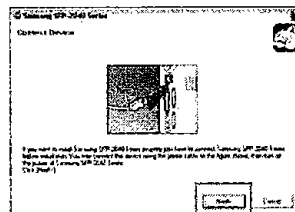
- 1 Select 'Start' → 'Programs' or 'All Programs' → 'Samsung SPP-2040 Series' or 'Samsung SPP-2020 Series' → 'Maintenance.'**
- 2 Select 'Repair' when the screen appears.**



▲ Windows XP screen



If your printer is not connected to a computer, the following window opens.

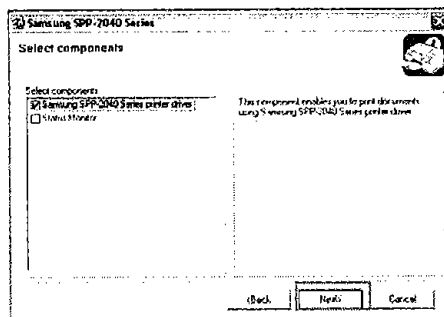


▲ Windows XP screen

After connecting the printer, click 'Next.'
If you want to reinstall the program without connecting the printer to the computer, click 'Next' and select 'No.'

Installing the program for Windows 

3 Select the components you want to reinstall and click 'Next'.



▲ Windows XP screen

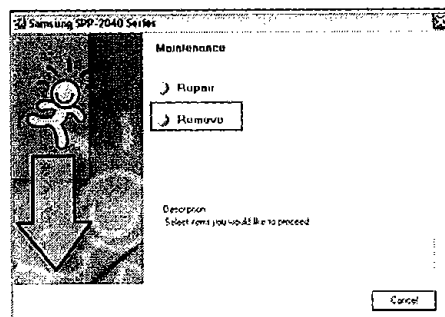
If you select 'Printer,' the window asking you to print a test page appears.
If you choose to print a test page, select the check box and click 'Next.'
When the test page prints out correctly, click 'Yes.'

4 Click 'Finish' when the reinstallation is done.

>> Deleting the program

1 Select 'Start' → 'Programs' or 'All Programs' → 'Samsung SPP-2040 Series' or 'Samsung SPP-2020 Series' → 'Maintenance.'

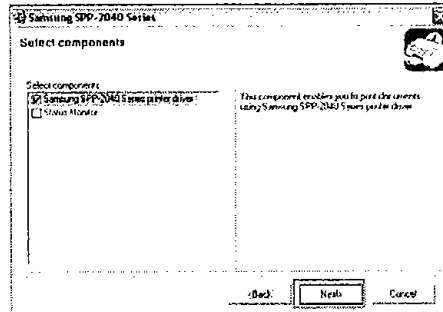
2 Select 'Remove' when the screen appears.



▲ Windows XP screen

 Installing the program for Windows

3 Select the components you want to remove and click 'Next.'



▲ Windows XP screen

4 Click 'Yes' when the window asking you to remove the component(s) you selected appears.

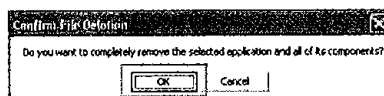
5 Click 'Finish' when the uninstallation is done.



Deleting the PhotoThru program

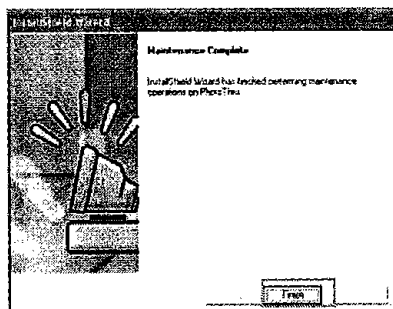
PhotoThru is a photo-editing program. If any problems occur after installing the program, delete the program and reinstall it.

- 1** Select 'Start' → 'Programs' or 'All Programs' → 'PhotoThru' → 'Uninstall.'
- 2** Select 'OK' when the screen for confirming to delete program after the InstallShield Wizard screen appears.



▲ Windows XP screen

- 3** Select 'Finish' when the uninstallation is done.



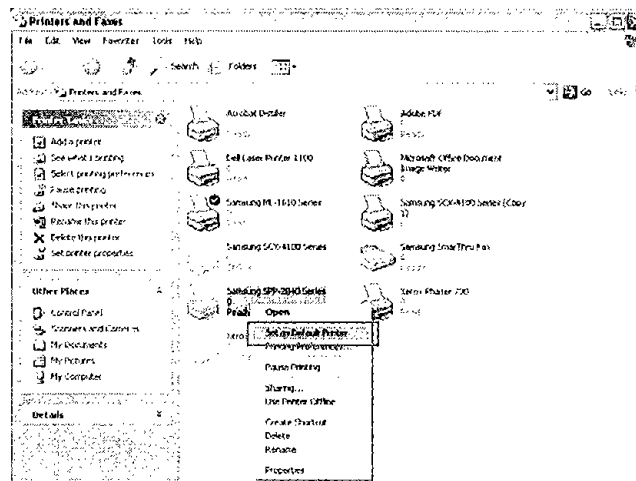
▲ Windows XP screen



Selecting your Photo printer as the default printer in Windows

When one or more printers are connected to a computer, or many printers are shared on a network, you can select one printer as the default printer. When you print a file from an application, it is printed on the selected printer. If you install the printer driver, the printer is automatically selected as the default printer.

- 1 Select 'Start' → 'Settings' → 'Printer'.
(If you are using Windows XP, select 'Start' → 'Printers and Faxes')
- 2 Select 'Samsung SPP-2040 Series' or 'Samsung SPP-2020 Series' and right click on the 'Printer' or 'Printers and Faxes' screen.
- 3 Click 'Set as default printer'.



▲ Windows XP screen

If the printer is selected, the check mark appears.



Printing from a Windows-based computer

You can print images from an application on a Windows-based PC.



Print order may vary depending on the program in use.
For details about print order, see the program user's guide.
To print from a Macintosh, see page 5.26-Printing from a Macintosh.

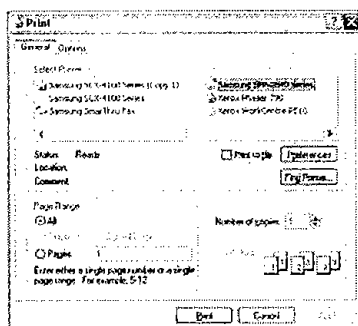
1 Open the application and then the file you want to print.

2 Select 'Print' in 'File' menu. The print screen appears.

Check if the printer name is selected as 'Samsung SPP-2040 Series' or 'Samsung SPP-2020 Series.'



You can print the selected images by selecting the printer icon in the bottom right corner of the Windows desktop or by selecting 'Print' from the application's File menu.



◀ Windows XP screen

3 Select the number of copies and the page range to be printed. Click 'Print' or 'OK' to start printing. The file(s) to be printed are stored on the hard disk(Spooling) and the images begin printing in order.

Click 'Properties' to access the various functions of the driver. These are displayed as 'Setup' or 'Printer options,' depending on the program in use.
For details, see page 5.13-Opening the Properties screen.



What does 'Spooling' mean?
'SPOOL' stands for 'Simultaneous peripheral operation on-line.'
When you make multiple print commands, the images are stored on the hard disk until actually printed. When a program uses the spool function, the user can do other work while images are being printed.

 Printing from a Windows-based computer

>> Canceling printing

You can cancel a print job from the control panel or by accessing the Printer folder.



When you press the Cancel button to cancel a printing job or if a paper jam occurs, one page of the ribbon cartridge's life is used, even if an image is not completely printed.

Canceling from the control panel (Only for Samsung SPP-2040 Series)

Press the Cancel button on the control panel.

If you press the Cancel button, only the image being printed at that moment is cancelled. In order to cancel queued print jobs already spooled, you must open the Printer folder and cancel them from there.



Canceling from the Printers folder

If a print job is waiting in a print queue, pause, restart or cancel the job as follows.

1 You can access this window by double-clicking the printer icon in the bottom right corner of the Windows desktop.

Or click the 'Start' → 'Settings' → 'Printer'. (For Windows XP, click 'Start' → 'Printers and Faxes' and double-click 'Samsung SPP-2040 Series' or 'Samsung SPP-2020 Series')

2 From the 'Document' menu:

For Windows 98/Me, select 'Cancel Printing.'

For Windows NT4.0/2000/XP, select 'Cancel.'



To pause printing for a moment, select the file in the application and select 'Stop printing' or 'Pause' from the 'Document' menu.
To change print order, select the file you want and drag it to the desired location in the print queue.
If you remove the USB cable while printing a job, the printing job will be canceled.



Setting up the printer in Windows

You can use the Samsung SPP-2040 Series printer properties window, which allows you to access all of the printer options you need when using your printer.

>> Opening the Properties screen

When the printer properties are displayed, you can review and change whatever settings are needed for your print job.

Opening in an application program

Print images from the application program.

1 Click 'Properties' from the printer screen.

The printer's properties window may differ depending on your operating system.

2 Click each tab to access the properties. For further details, see page 5.14-Getting to know the properties screen.

3 Click 'OK' when you have finished the settings.



Your printer's Printing Preferences window has 5 tabs: Basics, Output, Graphics, Deco and About. Refer to your Windows user's manual for more information.
The 'Printer' tab displays only when you open the screen from a printer folder. See page 5.11-Printing from a Windows-based computer.

Opening from the printer folder

1 Click 'Start' → 'Settings' → 'Printers' menu.

For Windows XP, select 'Printers and Faxes.'

2 Double-click the Samsung SPP-2040 Series or Samsung SPP-2020 Series printer icon.

3 Right click on the printer icon and:

In Windows 98/Me, select 'Properties.'

In Windows 2000, select 'Printing Preferences.'

In Windows XP, select 'Printing Preferences.'

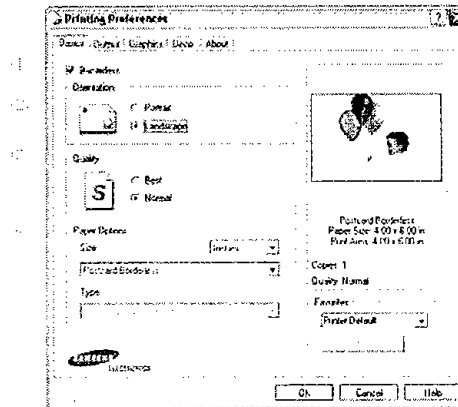
4 Click each tab to access the screen.

 Setting up the printer in Windows

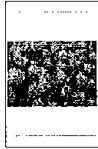
>> Getting to know the properties screen

Basics tab

The Basics tab provides options to adjust how the document appears on the printed page.



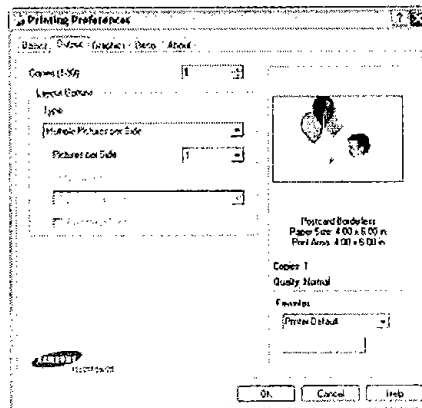
▲ Windows XP screen

	Property	Description
1	Borderless	Print image with no border.
2	Orientation	Select the direction in which information is printed on a page.  ▲ Landscape ▲ Portrait
3	Quality	If you select Best, the print quality of some colors will be better. However in most situations, there will be no appreciable difference between Best and Normal.
4	Paper Options	Paper Options allows you to set paper size.

Setting up the printer in Windows 

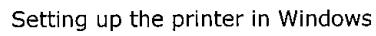
Output tab

The Output tab provides layout options.



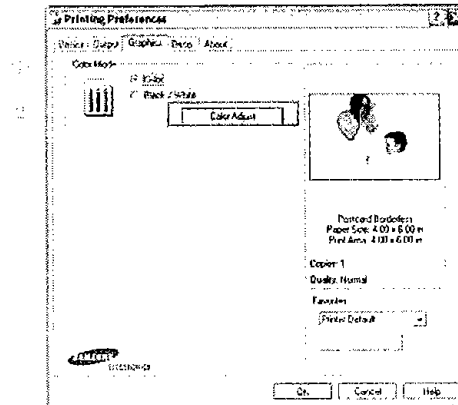
▲ Windows XP screen

	Property	Description
1	Copies	Select the number of copies from 1 to 99.
2	Layout options	Select the type in which information is printed on a page. The layout appears differently depending on the orientation and the quality that you selected on the Basics tab (see page 5.14-Basics tab) You can select the number of copies, type, pictures per side, and whether to print a border on the page. You can choose to have 1, 2, 4, 6, 9, or 16 pictures printed per side. The print order of the images changes automatically depending on your choices.

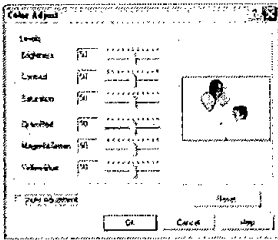


Graphics tab

The Graphics tab allows you to choose various color and contrast options.



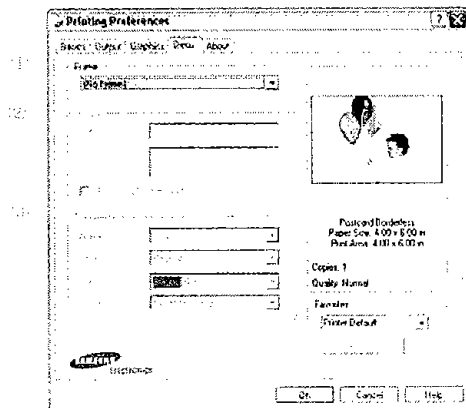
▲ Windows XP screen

Property	Description
1 Color Mode	Select 'Color' or 'Black/White.' You can adjust 'Brightness', 'Contrast', 'Saturation' and 'Cyan Red', 'Magenta-Green', 'Yellow-Blue'. To adjust color automatically, check 'Auto Adjustment' and click 'OK'.
2 Color Adjust	

Setting up the printer in Windows

Deco tab

You can use the Deco tab to set options for frames, message and font attributes.



▲ Windows XP screen

	Property	Description
1	Frame	Select a frame.
2	Message	You can add a date or a note, or apply a white background to an image. If you want to use white background, select the check box.
3	Font Attributes	You can select a name, style, color, and shade for your font.

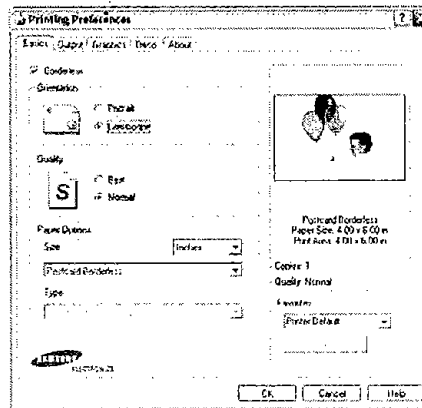
About tab

Use the About tab to display the copyright notice and the version number of the driver. If you have an Internet browser, you can connect to the Internet by clicking on the web site icon.

Setting up the printer in Windows

Using a favorite setting

The favorites option, available in each tab except for the About tab, allows you to save the current properties settings for future use.



▲ Windows XP screen

1 Select 'Printer Default' or 'Untitled' in 'Favorites.'

Printer Default: You can set the current properties as the default setting for the printer driver.

Untitled: If you apply new setting, 'Untitled' is displayed automatically.

2 Click 'Save' after entering desired name to save new setting.

3 Select desired name in 'Favorites' to use saved setting.

To delete a saved name, click 'Delete' after selecting the name.

If you click 'Yes' on the screen to confirm the deletion, 'Untitled' appears again.

Using help

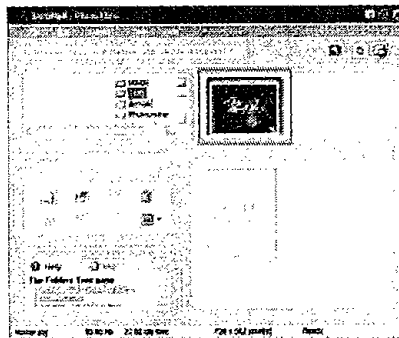
Your machine has a help screen that can be activated using the Help button in the printer properties window. The help screen gives detailed information about the printer features provided by the printer driver. You can also click the question mark in the upper right hand corner, and then click on any setting.



Printing with the PhotoThru program in Windows

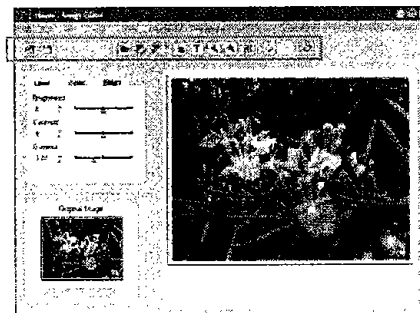
With the PhotoThru program, you can edit images for more entertaining photos. For details about how to use PhotoThru, refer to the PhotoThru user's guide.

- 1** Select 'Start' → 'Program' or 'All programs' → 'PhotoThru' → 'PhotoThru' menu.
- 2** Locate the image that you want to print when the PhotoThru program appears.



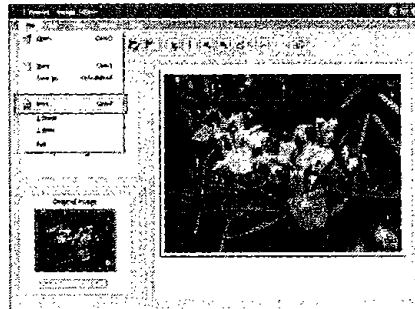
- 3** Double-click the image you selected.

The image is displayed in larger format in the work space and various editing tools appear. Edit the image using the available functions.

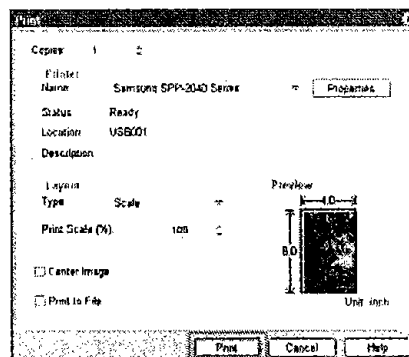


 Printing with the PhotoThru program in Windows

4 Click 'File' → 'Print' from the menu bar on the top.



5 Click 'Print' after selecting the number of copies to be printed and any additional function.





Installing the program for Macintosh

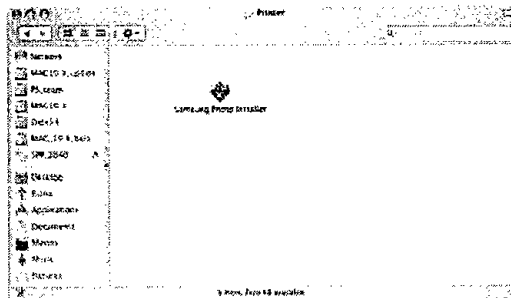
>> System requirements for Macintosh

Before you begin, ensure that your system meets the system requirements.
Supported Macintosh environment:

- Macintosh OS 10.3.X
- Processor: Power PC G3, G4, or G5
- Memory : 128MB or more
- Free hard disk space : 200MB or more

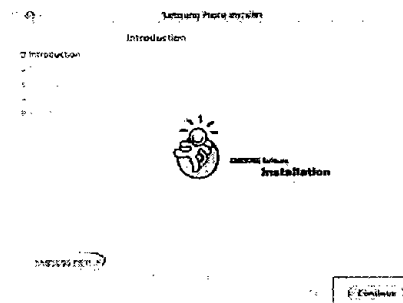
>> Installing the program

- 1** Quit all programs. Connect the printer to a computer using an appropriate USB cable. See page see page 5.2-Connecting your printer to a Windows-based PC.
- 2** Turn on your Macintosh and insert the supplied Software program CD(label side up) into your CD-ROM drive. The installation window appears automatically.
- 3** Double-click the CD icon when it appears on 'Desktop' and click 'Installer' → 'Printer.'
- 4** Enter the Macintosh user's password.
- 5** Double-click 'Samsung Photo Installer.'

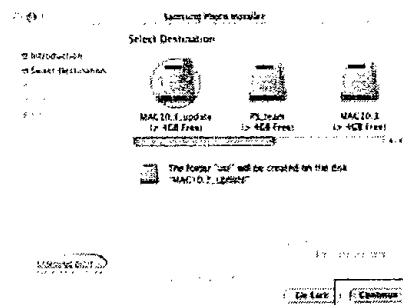


 Installing the program for Macintosh

6 Click 'Continue' when the Samsung Photo Installer screen appears.

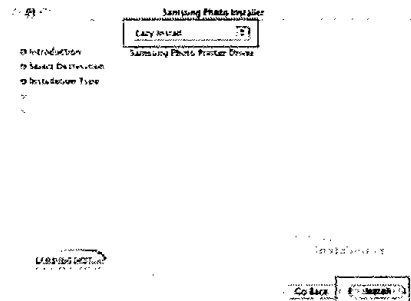


7 Select the hard disk the program will be installed and click 'Continue.'

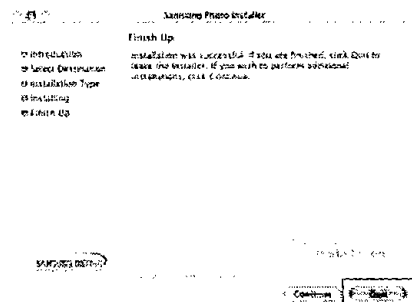


Installing the program for Macintosh 

8 Select 'Easy Install' as the installation type and click 'Install.'



9 Click 'Quit' when the installation is done.





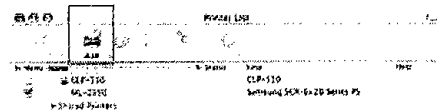
Setting up the printer in Macintosh

>> Using in MAC OS 10.3.X USB environment

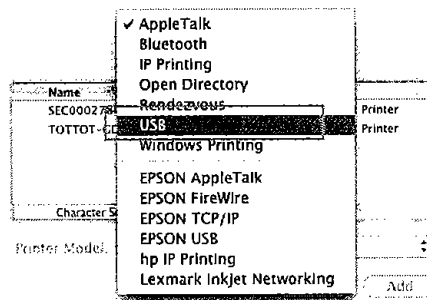
- 1 Open the hard disk and select 'Applications' → 'Utilities' → 'Printer Setup Utility.'



- 2 Click 'Add' on the printer list.

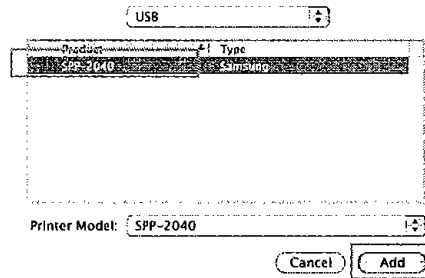


- 3 select 'USB' tab.



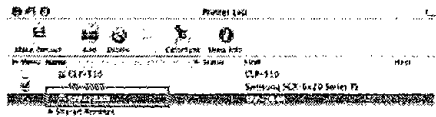
Setting up the printer in Macintosh 

4 Select 'SPP-2040 Series' or 'SPP-2020 Series' and click 'Add.'



If you fail to search the printer automatically, select 'Samsung' in 'Printer Model.'
Select 'SPP-2040 Series' or 'SPP-2020 Series' and click 'Add.'

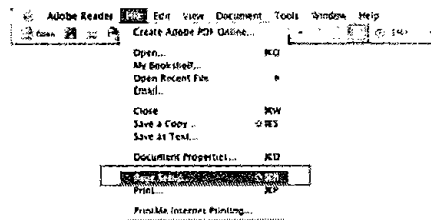
When 'SPP-2040 Series' or 'SPP-2020 Series' is added in the printer list, the setting is finished.



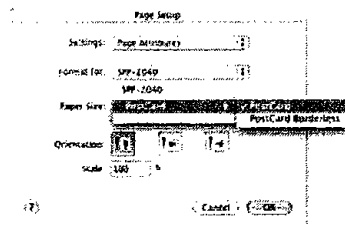


Printing from a Macintosh

- 1 Open the file that you want to print.
- 2 Click 'Page Setup' after opening the file.

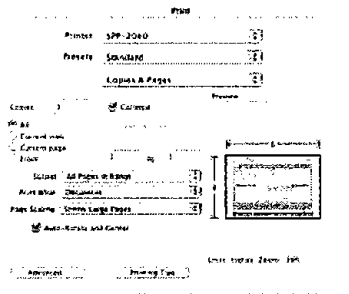


- 3 Click 'OK' after setting the format, size, orientation and scale.



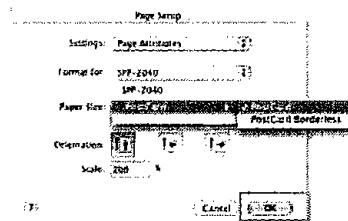
- 4 Click 'Print' to print the selected image.

- 5** Click 'Print' after selecting the number of copies and the page range to be printed.



On the right side of the tab you can set various option. You can set copies & pages, layout, output options, scheduler, paper handling, colorSync, printer features and summary.

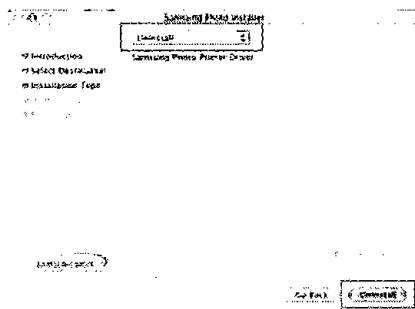
- 6** The screen confirming that the file was sent to the print queue appears and printing begins.



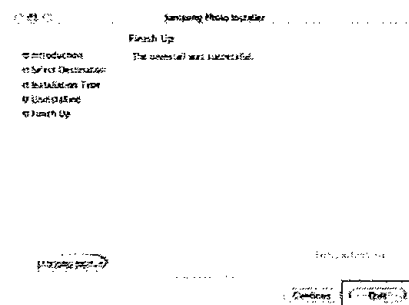
 Printing from a Macintosh

>> Deleting the program

- 1 Click 'Uninstall' after selecting installation type as 'Uninstall' on step 6. See page 5.21-Installing the program for Macintosh.



- 2 click 'Quit' when the uninstallation is done.





Printing using PhotoThru program in Macintosh

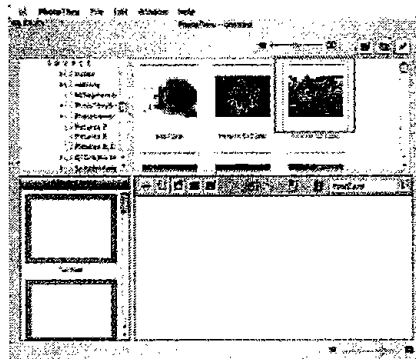
The PhotoThru program is convenient when you modify your image files. It provides various and interesting image editing features. For details about how to use PhotoThru, refer to the PhotoThru user's guide.

>> Installing the program

- 1** Turn on your Macintosh and insert the supplied Software program CD(label side up) into your CD-ROM drive. The installation window appears automatically.
- 2** Double-click the CD icon when it appears on 'Desktop' and click 'Installer' → 'Application.'
- 3** Double-click 'PhotoThru Installer.' and follow the on-screen instructions.

>> Printing the image

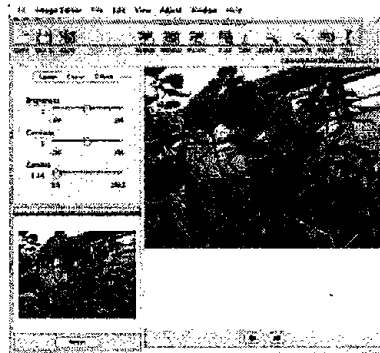
- 1** Select 'Application' → 'PhotoThru'.
- 2** Locate the image that you want to print when the PhotoThru program appears.



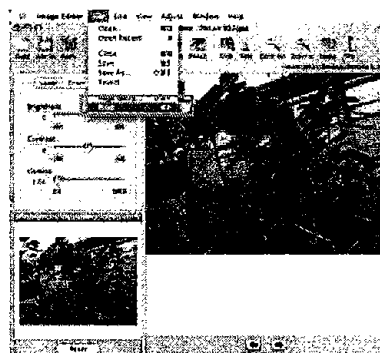
 Printing using PhotoThru program in Macintosh

3 Double-click the image you selected.

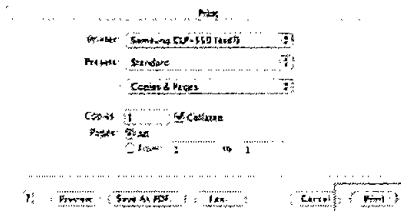
The image is displayed in larger format in the work space and various editing tools appear. Edit the image using the available functions.



4 Click 'File' → 'Print' from the menu bar on the top.



5 Click 'Print' after selecting the number of copies to be printed and any additional function.



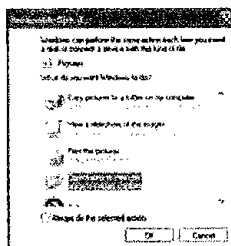


Using MSC(Mass Storage Class) function(For SPP-2040 Series only)

If you connect your printer to a Windows-based computer via a USB cable, and insert a memory card into the printer, the computer recognizes the memory card as a removable disk. The computer then serves the same function as a memory card reader and you can view and edit memory card data.

1 Connect the printer to your computer with an appropriate USB cable and insert a memory card into the printer.

The 'Removable disk' screen appears automatically.

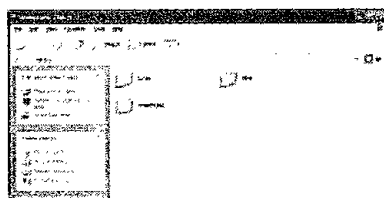


◀ Windows XP screen

If the 'Removable disk' screen does not appear automatically, select 'My Computer' → 'Removable disk.' Double-click the 'Removable disk' icon.

2 Double-click 'Open folder to view files using Windows Explorer.'

The removable disk folder screen appears.



◀ Windows XP screen

You can save or move any desired file or folder.

If you insert two memory cards, the printer recognizes the first inserted memory card and save data in it. If you remove it, the printer recognizes the last inserted memory card.

This function will work in Windows 98+ and in Macintosh.



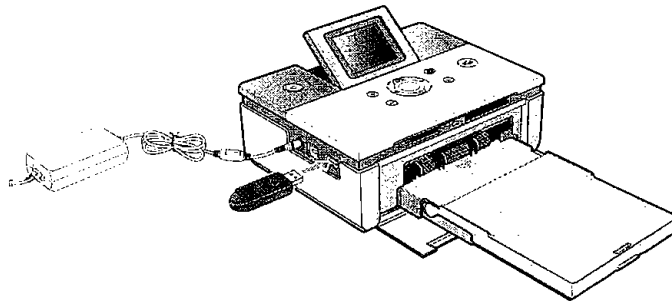
Printing with Bluetooth (Optional: SPP-00BA)

If you install the optional Bluetooth device, you can print wirelessly from only a camera phone equipped with Bluetooth. While this product complies with the Bluetooth Specification, it is not guaranteed to work with all devices enabled with Bluetooth wireless technology.



Bluetooth compliance: Version 1.2
Output power: Bluetooth Class 2, Up to 10 meters
Network topology: Point to Multipoint Connections
Profiles supported: OPP (Object Push Profile) only
Supported file format: JPEG only

- 1 Insert the Bluetooth device into the USB port for use with digital cameras.**



- 2 Send an order to print images from the Bluetooth-supported device.**

Please refer to the Bluetooth supported device's user guide and optional Bluetooth device's user guide for more details.

6. Maintenance

This printer can be maintained quite easily. It is light and portable. When storing or carrying the printer, remove the paper and the paper cassette.

- **Maintaining the printer**
- **Replacing the Ribbon cartridge**
- **Troubleshooting**
- **Specifications**



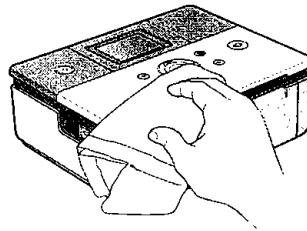
Close the paper cassette when the printer is not in use.
Do not store the printer in direct sunlight or in areas that experience temperature extremes.
Store the paper in its original package on a flat surface and leave it in a cool and dry place.



Maintaining the printer

>> Cleaning the outside

- 1** Press the On/Off button to turn the printer off and disconnect the power adapter.
- 2** Clean the outside of the printer using a damp cloth.



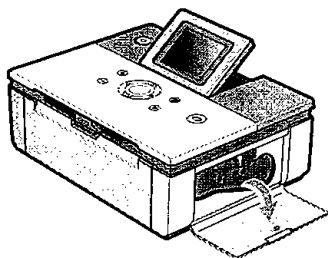
If you want to use a cleanser, please contact a Samsung service center for a recommended detergent. Do not use other cleansers and soaps as they may cause damage to the print head.



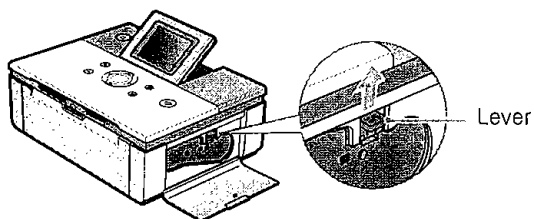
Replacing the Ribbon cartridge

Buy the Ribbon cartridge model named IPP-4640G (for 40 pieces printing).

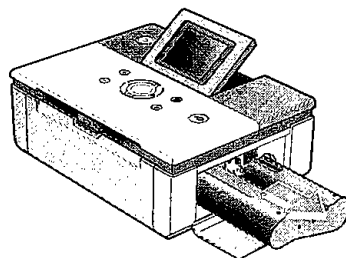
1 Open the side cover.



2 Push the lever upward.



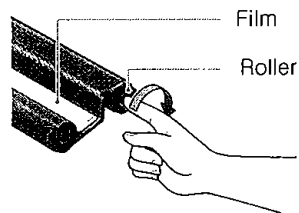
3 Pull the existing cartridge out.



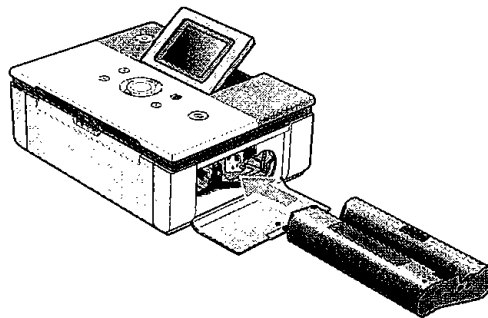
 Replacing the Ribbon cartridge

4 After removing the cartridge from its package, rotate the roller to smooth out wrinkles or uneven areas in the film.

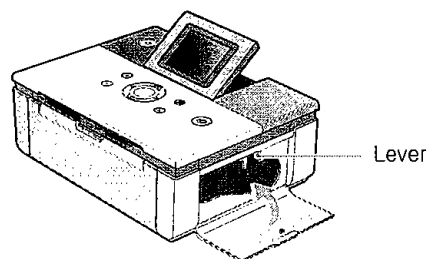
If the film is not even, it could be damaged during installation.



5 Insert the cartridge in the direction in the shown illustration.



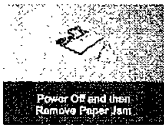
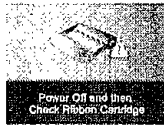
6 Make sure that the cartridge is under the lever and then close the side cover.



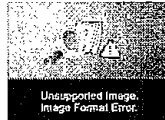


Troubleshooting

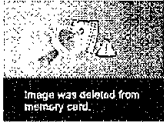
>> Error messages on the display

Display	Problem	Troubleshooting
	•Error when there is no paper.	•Load the paper. (see page 2.3-Loading paper) •Press the Print button.
	•Paper jam	•Turn the printer off. •If the jammed paper does not come out automatically, remove it manually. •Turn the printer on. •Note that one page of the ribbon cartridge's life is used when the paper jams occurs even though an image is not printed.
	•Wrong paper size	•Reset the paper size. •Press the Print button.
	•Paper cassette is not inserted or inserted incorrectly.	•Insert paper cassette. •Reinsert paper cassette correctly.
	•Ribbon Cartridge is not installed or installed incorrectly.	•Reinstall Ribbon cartridge correctly.

Troubleshooting

Display	Problem	Troubleshooting
	•Ribbon Cartridge is empty.	•Replace Ribbon cartridge. (see page 6.3-Replacing the Ribbon cartridge)
	•Ribbon Cartridge is not installed when you turn the printer on.	•Install Ribbon cartridge. (see page 2.2-Installing the Ribbon cartridge.) •Press the OK button.
	•Ribbon Cartridge is not installed when you try to print images.	•Install Ribbon cartridge. (see page 2.2-Installing the Ribbon cartridge.) •Press the Print button.
	•Images were set wrong.	•Reset image properly.
	•Printer failed to read the memory card.	•Remove and insert the memory card again. •If the error occurs again, try another memory card.
	•No images on the memory card.	•Re-load images onto the memory card and try again.
	•This appears when you try to print from a camera that does not support PictBridge.	•Connect a camera that supports PictBridge.

Troubleshooting

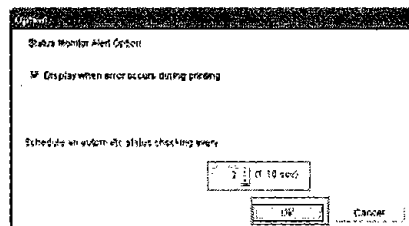
Display	Problem	Troubleshooting
	There is a problem reading JPEG files.	Print other images.
	Cannot print if the image is 40 pixels x 60 pixels or less.	Print images of more than 40 pixels x 60 pixels or more.
	Cannot print if the image is 5120 pixels x 7680 pixels or more.	Print images of less than 5120 pixels x 7680 pixels.
	Cannot read images.	Turn the printer off and on.
	Images in the memory card were deleted.	Try printing images from another source.
	xxx images are not printed among the several images.	After checking the printed images, reprint the missed images.
	Cannot print image.	Turn the printer off and on.

Troubleshooting

>> **Scheduling printer status checks**

Your computer can automatically check the status of the printer.

- 1** Right click on the printer icon at the bottom of the screen and click 'Options' in the menu.
- 2** Click the checkbox if you want to set the 'Status Monitor Alert Option.'



- 3** Schedule and automatic status checking from 1 to 10 seconds.
- 4** Click 'OK' to complete the setting.



Specifications

Type of unit	Dye Diffusion Thermal Transfer
Print Speed ^a	Up to 60 seconds to print 4x6 inches photo
Resolution	300 x 300dpi maximum
Input document size	Postcard - 102x152mm(4"x6")
Capacity of paper cassette	up to 20 sheets
Sound pressure level ^b	Printing: Less than 47 dBA
Power consumption	40W
Operating conditions	Temperature: 50°F to 89°F (10°C to 32°C) Humidity: 20% to 80% RH
Power source	See Rating Label attached on the bottom of the machine
Adapter requirements	Input : AC 110~240V/50~60Hz Output : DC 24V / 1.7Amps
SET Dimension (WxDxH)	SPP-2020 Series : 180 x 136 x 61mm SPP-2040 Series : 180 x 136 x 66mm
Weight	SPP-2020 Series : 0.97 Kg SPP-2040 Series : 1.07 Kg
Memory Card Interface	xD-Picture Card, CompactFlash Type I and II, MultiMedia Card, Memory Stick, Memory Stick-PRO, Secure Digital, SmartMedia
PC Interface	USB1.1 and USB2.0
Camera Interface	USB Host 1.1 (PictBridge)
Camera-Phone Interface	USB Host 1.1 (PictBridge)
Supported File Format	Exif2.2, DPOF, TIFF(non-compressed), 8bit Gray, BMP(non-compressed) with 24bit RGB, 8 bit RGB, Standard JPEG, RGB pixel order format only

a. The print speed may vary depending on the operating system, capacity, application program and file format.

b. Using Sound level ISO7779

 Specifications

>> Radio Frequency Emissions

FCC Regulations

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Canadian Radio Interference Regulations

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry and Science Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", ICES-003 édictée par l'Industrie et Sciences Canada.

>> Declaration of Conformity (European Countries)

• Approvals and Certifications



The CE marking applied to this product symbolises Samsung Electronics Co., Ltd. Declaration of Conformity with the following applicable 93/68/EEC Directives of the European Union as of the dates indicated:

January 1, 1995: Council Directive 73/23/EEC Approximation of the laws of the member states related to low voltage equipment.

January 1, 1996: Council Directive 89/336/EEC (92/31/EEC), approximation of the laws of the Member States related to electromagnetic compatibility.

March 9, 1999: Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

A full declaration, defining the relevant Directives and referenced standards can be obtained from your Samsung Electronics Co., Ltd. representative.

 Specifications

EU Declaration of Conformity (R&TTE)

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