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Environmental and Safety Consideration

Laser safety statement

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR, chapter 1 Subchapter J for Class I(1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 825.

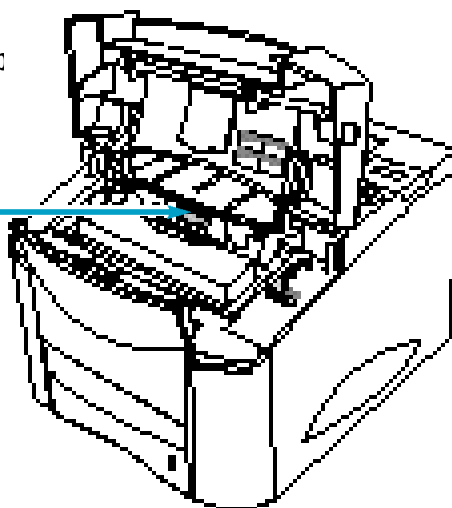
Class I laser products are not considered to be hazardous. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.

CAUTION

Never operate or service the printer with the protective cover removed from Laser/Scanner assembly. The reflected beam, although invisible, can damage your eyes.

Class 1 Laser Statement Label

CLASS 1 LASER PRODUCT
LASER KLASSE 1
LUOKAN 1 LASERLAITE
APPAREIL A LASER DE
CLASSE 1
TO IEC 825



Laser caution label



CAUTION - INVISIBLE LASER RADIATION WHEN THIS COVER IS OPEN. DO NOT OPEN THIS COVER.

VORSICHT - UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

ATTENTION - RAYONNEMENT LASER INVISIBLE EN CAS D'OUVERTURE. DANGEREUSE AU FAISCEAU.

ATTENZIONE -RADIAZIONE LASER INVISIBILE IN CASO DI APERTURA. EVITARE L'ESPOSIZIONE AL FASCIO.

PRECAUCION -RADIACION LASER INVISIBLE CUANDO SE ABRE. EVITAR EXPONERSE AL RAYO.

ADVARSEL - USYNLIG LASERSTRÅLNING VED ÅBNING NÅR SIKKERHEDSBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLNING.

ADVARSEL - USYNLIG LASERSTRÅLNING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN. UNNGÅ EKSPONERING FOR STRÅLEN.

VARNING - OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPAND OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN STRÅLEN ÄR FARLIG.

VARO - AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE ÄLÄ KATSO SÄTEESEEN.

FCC Compliance

This equipment 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:

- Re-orient 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.

Shielded interface cables and I/O cords must be used for this equipment to comply with the relevant FCC regulations.

Changes or modifications not expressly approved in writing by Samsung may void the user's authority to operate this equipment.

IC COMPLIANCE NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement ICES-003 sur le Matériel brouilleur du Canada.

EC Declaration of Conformity

We,

SAMSUNG ELECTRONICS CO.,LTD

#259, Gong Dan-Dong, Gumi-City, Kyung Buk, Korea

declare sole responsibility that the

ML-7300, ML-7300N Laser Printer

meets the intent of Directive 89/336/EEC for Electromagnetic Compatibility and Low Voltage Directive 73/23/EEC.

Compliance was demonstrated to the following specifications as listed in the official journal of the European Communities:

Electromagnetic Interference :

EN 55022 Radiated, Class B

EN 55022 Conducted, Class B

EN 61000-3-2 Power Harmonics

EN 50082-1 Electromagnetic Susceptibility :

IEC 801-2 Electrostatic Discharge

IEC 801-3 RF EM Field

IEC 801-4 Fast Transients/Burst

EN 60950-Safety

Safety information

Safety and Regulatory Listing for this printer.

PRODUCT SAFETY

USA & CANADA	Evaluated by UL according to UL 1950 and CSA C22.2 No. 950 for C-UL
EEC(Europe)	IEC 60950/EN 60950(TUV GS Certification)
CB	IEC 60950

LASER SAFETY

EEC(Europe)	HD 194. & EN 60825
USA	21 CFR, Chapter 1, Subchapter J(CDRH Certified)

Replacing the fitted plug (Only in UK)

Important

The mains lead for this machine is fitted with a standard (BS 1363) 13 amp plug and has a 13 amp fuse. When you change or examine the fuse, you must re-fit the correct 13 amp fuse. You then need to replace the fuse cover. If you have lost the fuse cover, do not use the plug until you get another fuse cover from the people whom you bought the machine.

The 13 amp plug is the most widely used type in the UK and should be suitable. However, some buildings (mainly old ones) do not have normal 13 amp plug sockets. You need to buy a suitable plug adaptor. Do not remove the moulded plug.

Warning

If you cut off the moulded plug, get rid of it straight away. You cannot rewire the plug or you may get an electric shock if you put it into a socket.

Important warning: You must earth this machine.

The wires in the mains lead have the following colour code:

Green and Yellow	: Earth
Blue	: Neutral
Brown	: Live

If the wires in the mains lead do not match the colours marked in your plug, do the following:

You must connect the blue wire to the pin which is marked with the letter 'N' or coloured black.

You must connect the brown wire to the pin which is marked with the letter 'L' or coloured red.

You must have a 13 amp fuse in the plug, adaptor, or at the distribution board.



chapter

1

Introduction

Congratulations on the purchase of your ML-7300 series printer! This chapter provides information on the following topics:

- u Safety Precautions
- u Features and Model Descriptions
- u Printer Components

Safety Precautions



Before using the printer, please read the instructions in this guide carefully and put the guide in a safe place close to the printer, so that it is available when you need it later. Please take the following precautions when using and maintaining your printer.

- | Unplug the printer before cleaning it. Do Not use any liquid or aerosol cleaners. Simply use a damp cloth. Refer to the page of this guide for further details.
- | Do Not place the printer on an unstable surface or close to a radiator or source of heat.
- | Take care not to block or cover the ventilation holes on the side of the printer. Do Not insert any object in these holes.
- | Check that the electrical power source to which you wish to connect the printer complies with the electrical specifications of this printer :
(110 ~ 230V) - Power cord may differ from one country to another.
- | Connect all your computer equipment, including the printer to a power point with earthing device. Avoid plugging your printer into the same power point as equipment likely to cause voltage variations, such as a photocopying machine or an air conditioner.
- | Check regularly that the power cable is in good condition and is not damaged in any way.
- | If you use an extension cord, check that total intensity of all equipment connected to it does not exceed the maximum intensity allowed for the extension cord. Check that the total intensity of the equipment connected to the same power point does not exceed 15 amps.
- | Unless otherwise indicated in this guide, do not attempt to repair the printer yourself. Should you detect a fault, return your printer to an authorized service center or your dealer.
- | Systematically return your printer to an authorised service center or your local dealer if one of the following situations occurs :
 - The power cord or plug is damaged.
 - A liquid has been spilled on and/or in the printer.
 - The printer has fallen or been dropped or the bodywork is damaged in any way.
 - The printer is not operating correctly or you have noticed a significant drop in the quality of the printing.

Features and Model Descriptions

Your new Printer

Your new Laser Printer is designed for use in an office environment, providing such advantages as :

- | Printing on both sides of paper
- | High-quality, high-speed text and graphics printing
- | Vast choice of paper types and sizes
- | Full operating status and error messages on operator panel display
- | On-screen feedback of the printing status
- | Various printer menus

Printer Information

Item	Values and Functions
ML-7300	The ML-7300 comes equipped with 16MB RAM and one 500-sheet Tray1 as standard.
ML-7300N	The ML-7300N is equipped with network card (PortThru) as standard. Install the network printer driver (SyncThru) for network printing.

Main Features

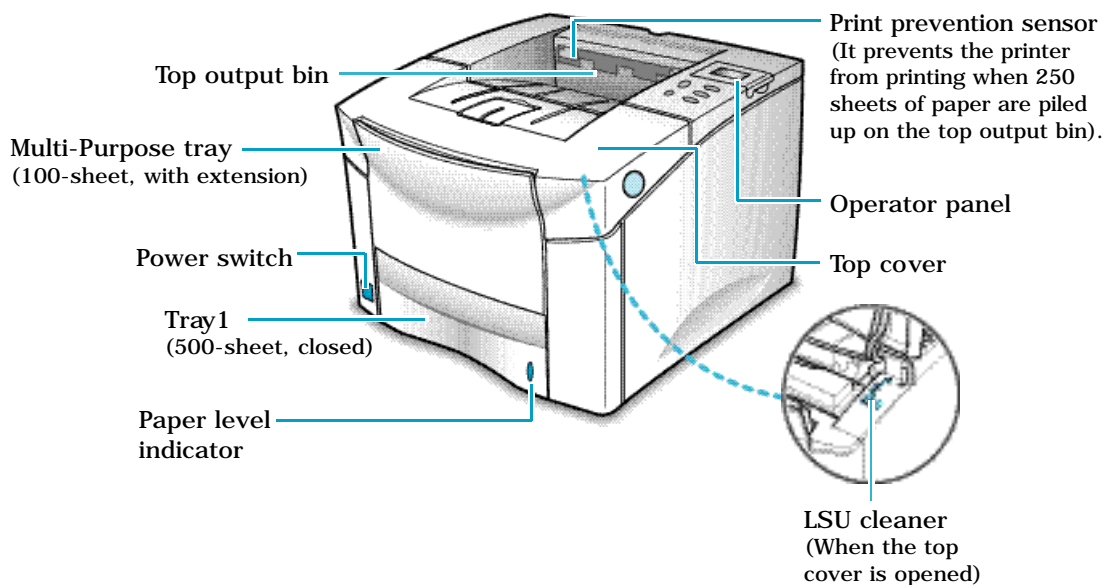
This Laser Printer provides the following main features.

- | Built in Duplex function which allows printing on both sides of the paper
- | Printing speeds of 21PPM(Pages Per Minute) for Letter-size paper
- | High-quality printing at a maximum resolution of 1200 DPI
- | Automatic paper feed with a capacity of up to 500 sheets
- | Wide range of paper sizes and weights
- | Expandable design
 - 500-sheet universal paper Tray
 - Memory(up to 208 MB)
 - Connectors for optional RS-232C/LocalTalk Card and Network Interface Card
 - Connector for optional Infrared Adapter

Printer Components

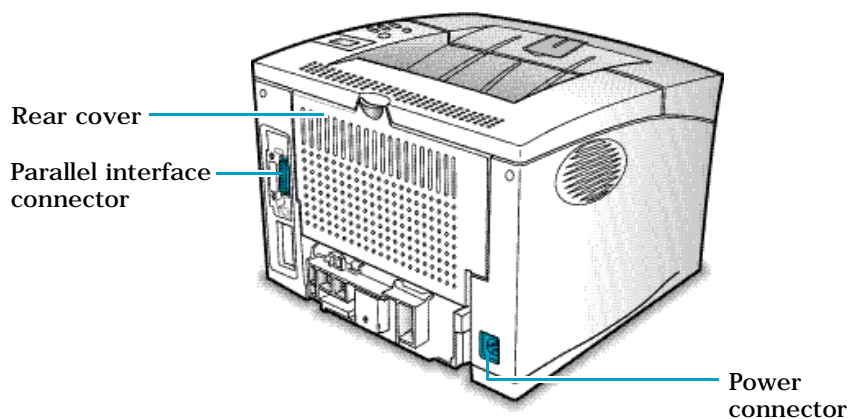
Front View

The following illustration shows the front view of your printer and indicates the various main elements.



Rear View

The following illustration shows the rear view of your printer and indicates the various main elements.



chapter

2

Setting Up Your Printer

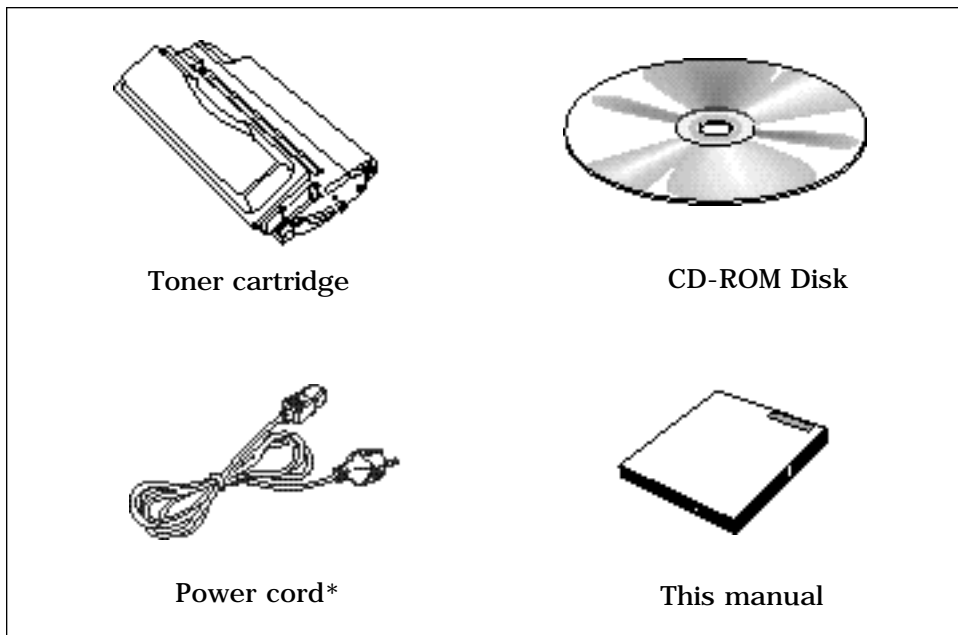
This chapter provides step by step information on setting up your printer.

Topics included in this chapter are:

- **STEP 1:** Unpacking Your Printer
- **STEP 2:** Installing Toner Cartridge
- **STEP 3:** Load Paper
- **STEP 4:** Connecting the Parallel Cable
- **STEP 5:** Connecting the AC Power Cord
- **STEP 6:** Testing the Printer!
- **STEP 7:** Setting Up the Printer Driver

Items Supplied

When you start unpacking the box of your printer, you will find the following items in addition to your printer.



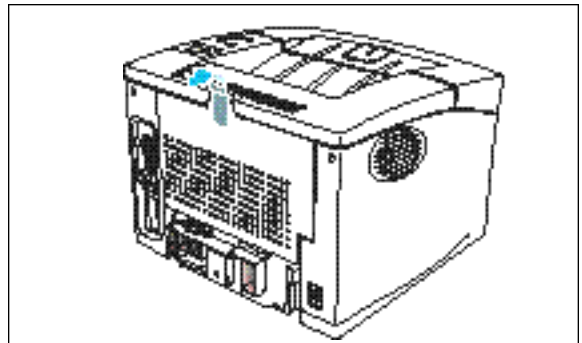
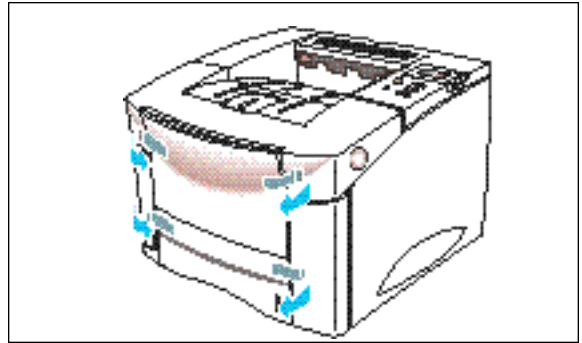
Notes • If you find that any of the above items are missing or damaged, contact your local dealer.

- A printer cable is not included in the package items.
- Cable specifications
 - The parallel cable should be compatible with the centronics[®] parallel interface and IEEE standard 1284.
- * **Power cord may differ from one country to another.**

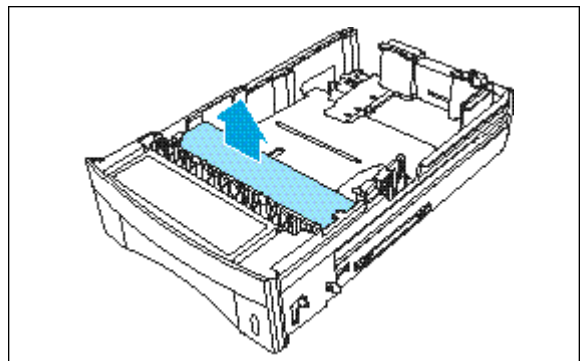
Preparation

During the storage and transport of your printer, adhesive tape is used to block some of the elements that may move or open unexpectedly and consequently be damaged.

- 1 Before connecting up your printer and starting to use it, you must therefore remove all the adhesive tapes, as illustrated in the figure below.



- 2 Slide tray out of the printer.
Remove the packaging material from the tray.



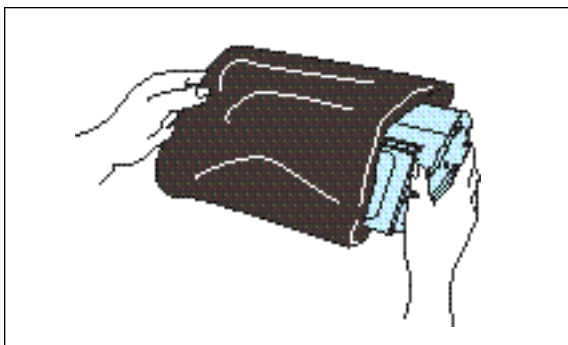
Installing Toner Cartridge

To install a toner cartridge in your printer proceed as follows.

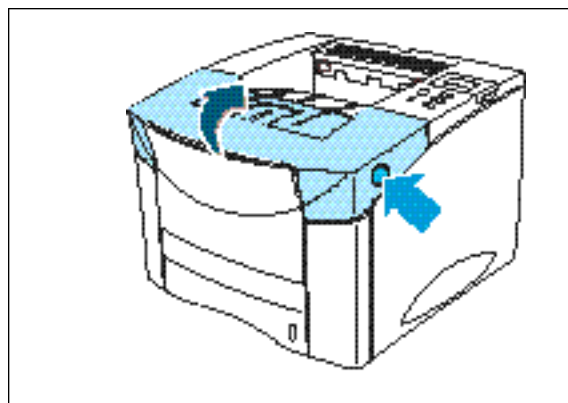
- 1 Remove the toner cartridge from its packaging.

Notes

- Do not remove the cartridge from its packaging until you are ready to use it.
- Do not expose the cartridge to light, it could damage the cartridge permanently.

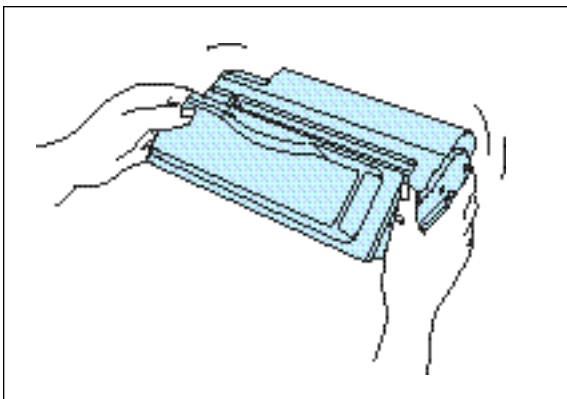


- 2 Open the top cover of the printer by pressing the button on right side of the printer.

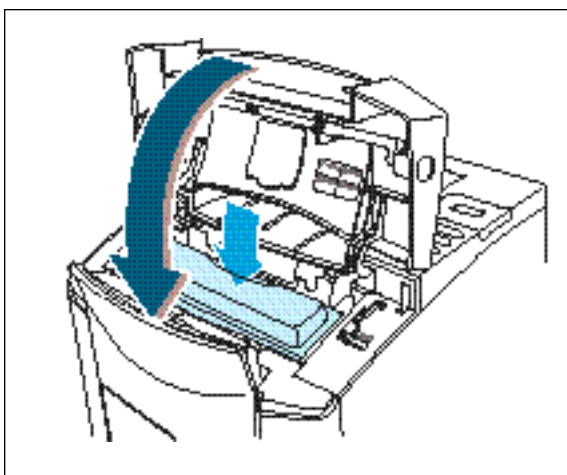


Installing Toner Cartridge

- 3 Rotate the cartridge and gently shake it from side to side to distribute the toner evenly inside the cartridge.



- 4 Position the cartridge as shown with the arrow pointing into the printer. Slide the cartridge into the printer as far as it will go.



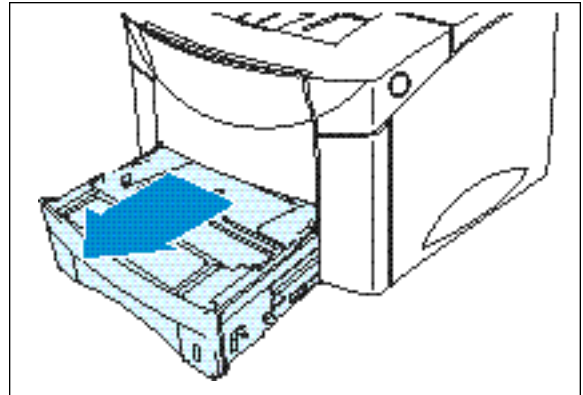
- 5 Close the top cover.

Notes *If toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water. When printing text at 5% coverage, a toner cartridge lasts an average of 10,000pages in simplex mode.*

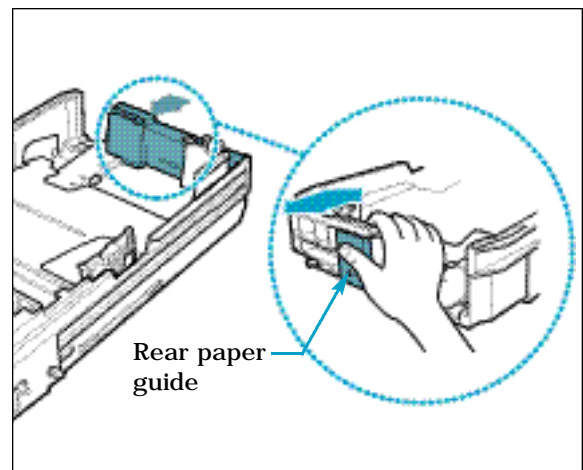
Load Paper

To load paper in the tray, proceed as follows.

- 1** Pull the Tray1 completely out of the printer.



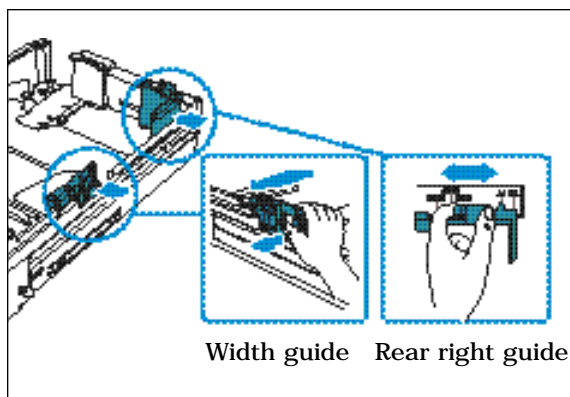
- 2** Squeeze the back of the rear paper guide and slide it to the desired paper size until it clicks into place.
The paper sizes are indicated on the bottom of the tray1.



- 3** Lift the rear right guide and slide it to match the width of the paper.

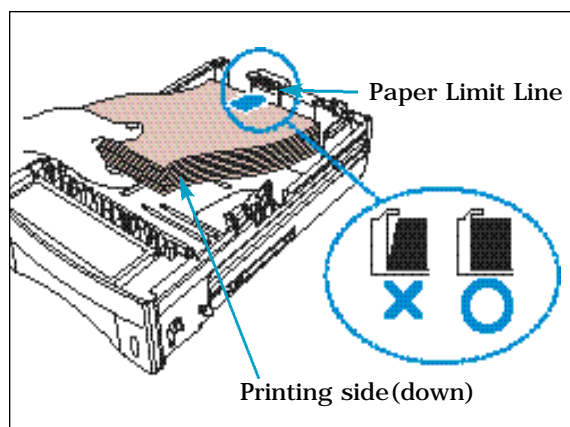
The paper sizes are indicated on the bottom of the tray.

- 4** Squeeze the width guide, rear right guide and slide it to the far right side of the tray.



Notes *If the tray is not properly adjusted, the printer might display an error message or paper might jam.*

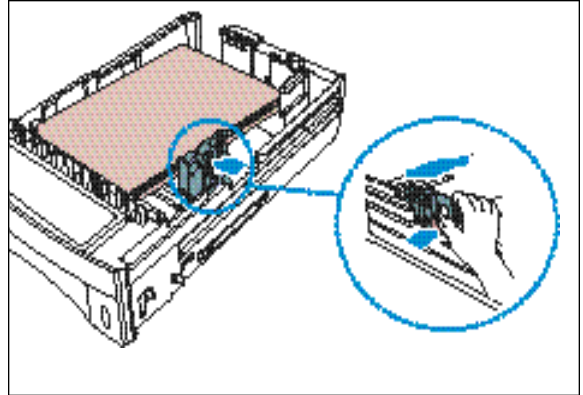
- 5** Place the paper against the left of the rear paper guide.



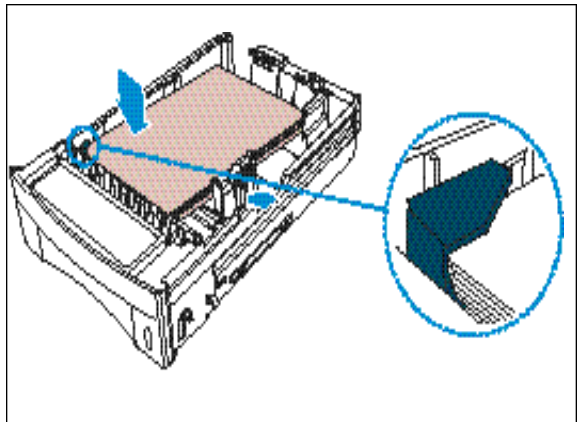
Notes

- Do not fold or crease the paper.
- Place the paper with the recommended print side face down.
- Don't exceed the paper limit line indicated on the tray when the paper is held up.

- 6** Squeeze the width guide and slide it to the left until it lightly rests against the edge of the paper.

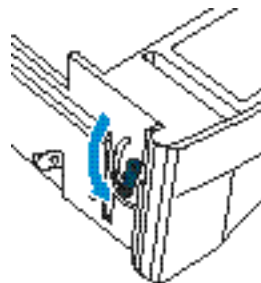


- 7** Make sure the paper is set below the tab on the tray.



- 8** Gently slide the tray back into the printer. The printer automatically senses the size of paper loaded if the tray1 is adjusted correctly.

Notes To load the paper of the Legal or Folio (241b, 90g/m²) size into the tray, push down the lever on the left side of the tray to lock it.



Connecting the Parallel Cable

To print from computer software, you need to connect your printer to your computer with a parallel interface cable.

Cable Specifications (Not provided)

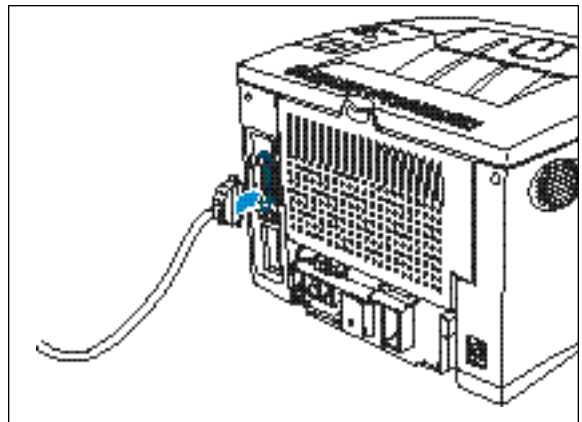
The parallel cable should be compatible with the Centronics® parallel interface and IEEE standard 1284. If you purchase parallel cable, ensure that it :

- Is compatible with Centronics interface.
- Supports bi-directional communications(IEEE standard 1284).
- Is shielded.
- Has the appropriate connector :
 - 25 pin D-Sub connector on the computer side.
 - Amphenol 36 connector on the printer side.

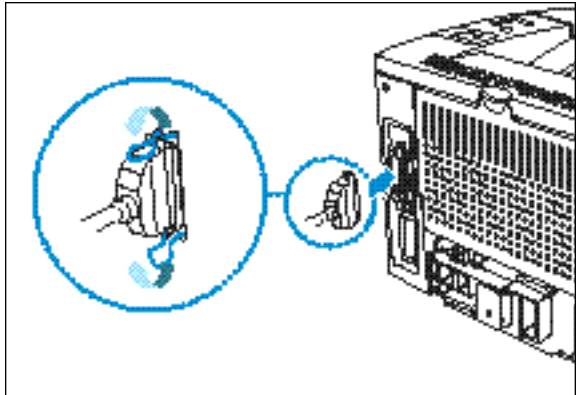
Connecting the Parallel Cable

To connect the printer to your computer use a parallel cable and proceed as follows.

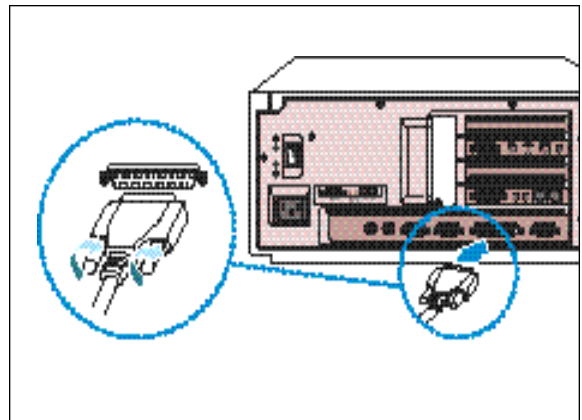
- 1** Check that both the printer and the computer to which it is to be connected are powered off and disconnected from the power point.
- 2** Plug the appropriate end of the parallel cable into the connector on the rear of the printer.



- 3** Push the clip at each end of the connector down into the notches on the plug as shown.



- 4** Plug the other end of the cable into the appropriate parallel connector on your computer and tighten the screw.

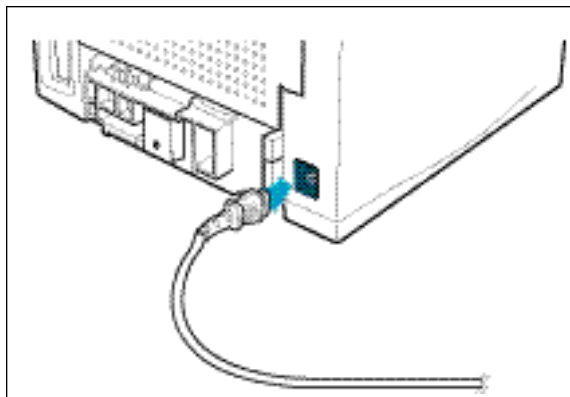


Connecting the AC Power Cord

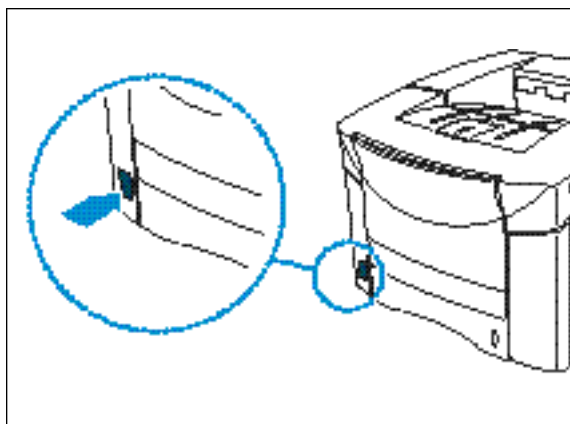
To connect the printer to a power point, proceed as follows.

- 1 Plug the appropriate end of the power cable supplied to the connector on the rear of the printer.
- 2 Plug the other end into a suitable power point.

- **Power cord may differ from one country to another.**



- 3 Power the printer on by pressing the power on/off button.

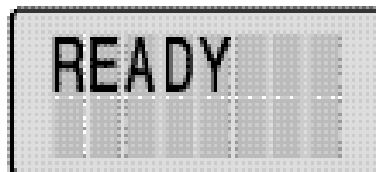


Result *You will hear some movement inside the printer.
The printer enters the Ready state.*

Testing the Printer!

Print a configuration page to make sure the printer is operating correctly.

- 1 Make sure the printer is plugged in and the READY status message appears on the display.



- 2 Press On Line.

Result The OFFLINE message appears on the display and the printer is off-line.



- 3 Press Menu > or < Menu to enter the menus.

- 4 Press Menu > or < Menu one or more times until the TEST MENU message is displayed.



- 5 Press Item> or <Item one or more times until the SELFTEST message is displayed.



- 6 Press Enter to print.

Notes

- The message 'PRINTING PCL6' appears and remains on the display until the page prints.
- The printer returns to the Ready state after printing.

Setting Up the Printer Driver

The printer drivers provided on the CD must be installed to take full advantage of the printer's features.

Printer drivers access the printer features and allow the computer to communicate with the printer.

If you install the printer driver using the CD, PCL 6 and PCL 5e are installed.

The CD includes the following printer drivers.

- PCL 5e • PCL 6
- You can use the PCL 5e and PCL 6 driver in Windows 3.x, Windows 95, Windows 98, Windows NT 4.0, Windows 2000.
In case of the PCL 6 driver, it supports Watermark, Overlay, N-up printing and so forth.
- Postscript.
- Font Navigator.
- Linux Driver.

- Notes**
- *You cannot use PostScript in Windows 3.1.*
 - *PCL 6 is the combination of PCL 5e and the new PCLXL printer language.*

Installing the Driver



Hardware Requirements

To install and run the PCL printer driver, you must have the following minimum hardware configuration.

- PC-compatible 486 microcomputer or better.
- 8MB of RAM for Windows 3.1 and 3.11 (16MB recommended for some applications) or 16MB for Windows 95/98, Windows NT 4.0, Windows 2000.
- 20MB available hard-disk space.
- CD-ROM Drive.

Software Requirements

To install and run the printer driver, you must have one of the following minimum software configuration :

- Windows 3.1 or Windows for Workgroups (Windows 3.11).
- Windows 95, Windows 98, Windows NT 4.0, Windows 2000.
- Macintosh System 7.5 or later.

Install Procedure

To install the printer driver on your hard disk, make backup copies of the print driver CD. Keep the original CD in a safe place and use the copies.

Notes *If you do not have access to a CD-ROM drive, contact your local dealer and request the printer driver diskettes.*

With Windows 95/98/NT 4.0/2000 installation

- 1 Make sure that the printer is plugged in and connected to your computer. Turn the printer and the computer on, then start Windows.

If Windows 95/98 recognizes the new printer, go to the section *“Windows 95/98 plug and play”* on page 2.16.

- 2 **Insert the setup CD-ROM into your CD-ROM drive.**

The Samsung Printer Setup windows opens.

If Windows does not automatically run the CD-ROM:

- 1) Select Run from the Start menu.
- 2) Type d:\cdsetup.exe on the command line
(where “d” is your CD-ROM drive letter), then click OK.
- 3) Follow the instructions on the screen.

- 3 Select the appropriate language.



- 4 Select **Install The Samsung Software** on your PC.



- 5 Follow the instructions on the screen to complete the installation.

In case of Plug & Play

In case of Win 95

- 1 Make sure the printer is plugged and connected to your computer.
- 2 Turn on the printer and start Windows on your PC.
- 3 Windows recognizes the printer, and 'New Hardware Found' dialogue box is displayed.
- 4 Click on the OK button.
- 5 Insert CD into the CD-ROM drive, and click on the Browse button.
- 8 Select the CD-ROM drive, then click on the OK button.
- 9 Follow step2 through 5 on page 2.14 to complete the installation.

In case of Win 98


- 1 Make sure the printer is plugged and connected to your computer.
- 2 Turn on the printer and start Windows on your PC.
- 3 Windows recognizes the printer, and 'Add New Hardware Wizard' dialogue box is displayed.
- 4 Select search for the best driver for your device(Recommended), then click on the NEXT button.
- 5 Insert CD into the CD-ROM drive, then click on the Browse button.
- 6 Select the CD-ROM drive, then click on the OK button.
- 7 Follow step2 through 5 on page 2.14 to complete the installation.

Notes To Install Shared Win 95/98 Printer Driver from NT Server to Client PC

- 1 Select **Sharing** in **Properties** of the printer driver.
 - 2 Select **Windows 95** in **Alternate Drivers**.
 - 3 Type **D:\7300\XX\pcl\pcl6\win9x3x**
(Where "D" is your CD-ROM drive letter and XX is the language code*,
i.e. **eng** for English).
 - 4 Install the network printer in the client PC.
- * Refer to "language code" (page 2.20) for language codes.

With Windows 3.1 :

- 1 Make sure the printer is plugged and connected to your computer.
- 2 Turn on the computer.
- 3 Insert the compact disk into the CD-ROM drive.
- 4 From **program manager** window, select **Run** from the **file** menu.

 **Notes** *The Run dialogue box appears.*

- 5 Type **d:\cdsetup.exe** on the command line,
(where “d” is your CD-ROM drive letter), then click **OK**.
- 6 From now on, follow the instructions on page 2.14 to complete the installation.

Uninstalling the Printer Driver

An uninstall utility is supplied with the printer driver to enable you to remove the driver and all associated files from your hard disk, if so required.

To uninstall the driver, proceed as follows.

Select **Start → Programs → Samsung 7300 → Samsung ML-7300 Driver uninstall** from the windows task bar.

- ▮ PCL 6 and PCL 5e drivers are removed from your hard disk.

Selecting the Printer

Default Printer

After installing the printer driver Samsung ML-7300 PCL 6 is selected automatically as the default printer.

If you did not select this Laser printer as the default printer when you installed it, you must select it before attempting to print a document on it.

Selection

To select the printer, proceed as follows.

- 1 Select **Start → Settings → Printers** from the Windows task bar.
- 2 Double click the desired printer drivers(**PCL 5e, PCL 6**) icon.
- 3 Select **File → Default Printer**.

Installing the Font Navigator (FontNav)

Font Navigator is a font manager for Windows 95/98, Windows NT(4.0), and Windows 3.1. It gives a quick and easy way to find fonts, install those fonts, and view and print font samples.

With Windows 95/98/NT 4.0/2000 and Windows 3.1:

- 1 Make sure that the printer is plugged in and connected to your computer. Turn the printer and the computer on, then start Windows.

If Windows 95/98 recognizes the new printer, go to the section *“Windows 95/98 plug and play”* on page 2.16.

2 Insert the setup CD-ROM into your CD-ROM drive.

The Samsung Printer Setup windows opens.

If Windows does not automatically run the CD-ROM:

- 1) Select Run from the Start menu.
- 2) Type d:\cdsetup.exe on the command line
(where “d” is your CD-ROM drive letter), then click OK.

3 Select the appropriate language.



4 Select “Install the Bonus Software on your PC”.

Language Codes

Codes	Language
Eng	English
Deu	Deutsch
Frn	Français
Esn	Español
Ita	Italiano
Kor	Korean



chapter

3

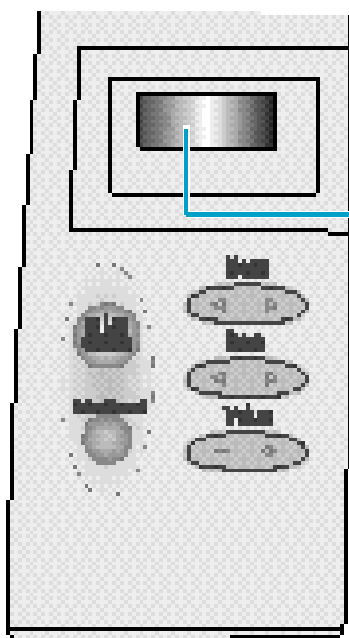
Using Operator Panel

This chapter describes how to use the printer's Operator panel. It provides information on the following topics:

- u Operator Panel Buttons
- u Changing Printer Setting
- u Overview of Printer Menu
- u PRINTING MENU
- u CONFIG MENU
- u JOB MENU
- u TEST MENU
- u PCL MENU
- u I/O MENU
- u PS3 MENU
- u NETWORK MENU

Operator Panel Buttons

LCD panel



The operator panel, on the front right side of your printer, has a 2-line LCD(Liquid Crystal Display) and five buttons.

Operator Panel Display

Light Color	Light State	The Printer IS...
Green	On	Online
	Off	Offline
	Blinking	Processing information
Orange	On	In Non-recoverable error state <ul style="list-style-type: none">• Solve the problems for the error message, by going through check lists and tests.
	Blinking	In recoverable error state

Using Panel Buttons

Use the five operator panel buttons to open a menu, scroll through a list of values, change printer settings, and respond to printer messages.

The following table describes the functions of each button.

Button	Function
On Line/Continue	<ul style="list-style-type: none"> Places the printer either online or offline. Allows the printer, to continue printing when the printer is in recoverable error state.
Enter/Cancel	<ul style="list-style-type: none"> Cancels the print job that the printer is processing when the printer is online. Saves the selected value for that item when the printer is offline.
Menu	<ul style="list-style-type: none"> Cycles through the operator panel menus.
Item	<ul style="list-style-type: none"> Cycles through the selected menu's items.
Value	<ul style="list-style-type: none"> Cycles through the selected menu item's values.

Operator Panel Menus

A number of menus are available to make it easy for you to change printer settings. Some menus are displayed only if a specific option is installed in the printer. When you select a new setting from the operator panel, the asterisk(j) moves next to the selected setting to identify it as the current user default setting.

Notes *Changes mode from a software application override the user default settings made from the printer operator panel.*

Changing Printer Setting

To change an operator panel setting, proceed as follows.

- 1 Make sure the 'READY' message appears on the display.
- 2 Press On Line.

Result *The 'OFF LINE' message appears on the display and the printer is off-line.*

- 3 Press Menu until the menu you need appears on the display.
- 4 Press Item until the menu item you need appears on the display.
- 5 Press Value until the setting you need appears on the display.
- 6 Press Enter to save the selection.

Result *An asterisk() appears beside the current user default setting for that menu item.*

A value can be :

- A phrase or word that describes a setting.
- A numerical value that you can increase or decrease.
- An On or Off setting.

Overview of Printer Menu

PRINTING MENU	CONFIG MENU	JOB MENU	TEST MENU	PCL MENU
PAPER MP SIZE COPIES ORIENT TRAY T-MARGIN L-MARGIN DUPLEX AUTO CR WIDE A4 QUALITY	EMUL SWITCH LOCKTRAY PWR SAVE AUTOCONT ECONO JAM RECV TONERLOW	SRT MODE TIMEOUT DENSITY PAP.TYPE MENU CLR SMET DUP.TOP DUP.LEFT S-BIND L-BIND FUSER CLEAN	SELFTEST DEMOPAGE	FONTLIST TYPEFACE SYMBOL LINES PITCH PT.SIZE COURIER

Some menus are displayed only if a required option is installed.
They are as follows.

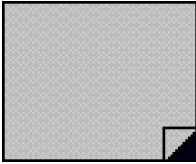
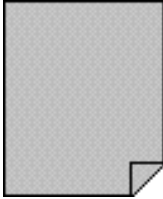
I/O MENU If the serial/LocalTalk option card is installed in your printer	NETWORK MENU If the Network card(PortThru) is installed in your printer		PS 3 MENU
BAUDRATE ROBU.XON	RESET NIC CFG NET TCP/IP CFG TCP DHCP CFG ADRS BOOTP RARP LPD APL TALK NETWARE CFG NWAR AUTO EN_8023 EN_II	EN_8022 EN_SNAP UPDATE BOOT SVR UNIX WINDOWS SV-IP B1 SV-IP B2 SV-IP B3 SV-IP B4 FACTORY DEFAULT IPP MENU JOBSHEET PRINT NET CFG	FONT LIST PS.ERROR

PRINTING MENU

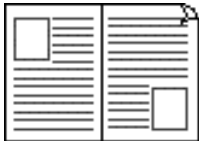

Use the PRINTING MENU to define all settings relating to printer input and output, as well as the specific print materials you are using with your printer.

Item	Values and Functions
PAPER	If the TRAY menu is AUTO, MP, MANUAL A4(country specific), LEGAL, Letter(country specific), EXE, JIS B5, ISO B5, COM-10, MONARCH, DL, C5, POST A6, C6, FOLIO A5, STS, A6
	If the TRAY menu is 1ST A4(country specific), LEGAL, Letter(country specific), EXE, JIS B5, ISO B5, FOLIO
	If the TRAY menu is OPT A4(country specific), LEGAL, Letter(country specific), EXE, JIS B5, ISO B5, COM-10, MONARCH, DL, C5, FOLIO
	If the DUPLEX menu is not OFF(SHORT or LONG) A4(country specific), LEGAL, Letter(country specific), FOLIO
MP SIZE	If the DUPLEX menu is OFF A4(country specific), LEGAL, Letter(country specific), EXE, JIS B5, ISO B5, COM-10, MONARCH, DL, C5, POST A6, C6, FOLIO, A5, STS, A6
	If the DUPLEX menu is not OFF (SHORT or LONG) A4(country specific), LEGAL, Letter(country specific), FOLIO

Notes The PAPER SIZE setting identifies the default formatting size for each tray. It is important to select the correct paper size from the menu when using trays.

Item	Values and Functions
COPIES	<p>1 to 999 (1; Factory Default)</p> <p>The COPIES setting determines the number of copies printed for each page. The printer does not automatically collate the copies. For example, if you send three pages to print and set Copies to 2, the printer prints page1, page 1, page 2, page 2, page 3, page 3.</p>
ORIENT	<p>P : Portrait (Factory Default) L : Landscape</p> <p>The ORIENT setting determines how the printing is oriented on the page.</p> <p>P(Portrait) means the printing is parallel to the short edge of the paper.</p> <p>L(Landscape) means the printing is parallel to the long edge of the paper.</p> <div></div> <p>Portrait Landscape</p>

Item	Values and Functions
TRAY	<p>AUTO(Factory Default) 1ST MP OPT(If the optional cassette is installed) MANUAL</p> <p>The TRAY setting identifies the default paper tray.</p> <p>1ST means that the printer feeds print material from Tray unless it is empty or closed.</p> <p>MP means that the printer feeds print material from Multi-Purpose tray unless it is empty or closed.</p> <p>Use the MANUAL selection when manually feeding envelopes or other print material through the Multi-Purpose tray.</p> <p>OPT is available only if the optional cassette is installed. See 'Tray 2' on page F.17.</p> <p>Auto means that the printer feeds print material from the other tray when one tray is empty. If you are using the same size and type of print material in all the trays, the trays are automatically linked.</p>
T-MARGIN	<p>0.0" ~ 9.9"</p> <p>The T-MARGIN menu item lets you select the top margin of the print materials.</p>

Item	Values and Functions
L-MARGIN	0.0" ~ 9.9" The L-MARGIN menu item lets you select the left margin of the print materials.
DUPLEX	OFF (Factory Default) LONG SHORT The printer can automatically print on both sides of paper. Use the OFF selection when printing on one side of a sheet of paper. For more information, see page 5.14. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Long</p> </div> <div style="text-align: center;">  <p>Short</p> </div> </div>
AUTO CR	LF(Factory Default) LF + CR The AUTO CR setting determines if the printer automatically performs carriage return after a line feed control command.
WIDE A4	OFF (default) ON The WIDE A4 setting determines if the printer can print 80 columns in A4 size.
QUALITY	300 600 (Factory Default) 1200 QUALITY setting determines the print resolution while printing the page.

CONFIG MENU

Use the CONFIG MENU to configure a variety of printer features.

Item	Values and Functions
EMUL	AUTO (Factory Default) PCL PS3 HEXDUMP You can select the emulation for printing a document.
PWR SAVE	OFF 15 30 (Factory Default) 45 60 The PWR SAVE menu item lets you reduce power usage when the printer is idle. The PWR SAVE setting determines the length of time (in minutes) the printer waits after a job is printed before it goes to a reduced power state.
AUTOCONT	ON (Factory Default) OFF The AUTOCONT setting determines whether the printer continues printing after it detects paper mismatch. If an error occurs and AUTOCONT is set to OFF , the printer stops and waits for operator intervention. If the Continue button on the operator panel is pressed, the printer continues printing regardless of paper mismatch. When AUTOCONT is set to ON , the printer automatically resumes processing.

Item	Values and Functions
ECONO	<p>OFF (Factory Default) ON</p> <p>The ECONO setting helps conserve the toner cartridge by controlling how much toner the printer uses for print job.</p> <p>Select OFF if toner conservation is not a concern.</p> <p>But this setting may affect the print quality of your job.</p>
JAM RECV	<p>OFF (Factory Default) ON</p> <p>When JAM RECV is set to OFF, the printer does not reprint a page that has been jammed after all the image has been drawn on the page.</p> <p>When JAM RECV is set to ON, the printer keeps printed page until the printer signals that the page has successfully exited the printer. The printer reprints the jammed page.</p>
TONERLOW	<p>CONTINU (Factory Default) STOP</p> <p>This setting determines whether the printer continue printing after the printer detects that the toner is low.</p> <p>If the toner is low and TONERLOW is set to 'Stop', press the Continue button to print. In that case, replace the toner cartridge or set the TONERLOW menu item to CONTINU.</p>

Item	Values and Functions
SWITCH (If the optional tray 2 is installed)	ON (Factory Default) OFF <p>The ON setting makes the printer supply the paper from another Tray when a cassette is empty.</p> <p>In case of the OFF setting, an error message is displayed.</p>
LOCKTRAY (If the optional tray is installed and the SWITCH menu item is set to on)	NONE (Factory Default) 1ST OPT MP <p>The cassette set to LOCKTRAY doesn't occurs tray change. For example, If LOCKTRAY is set to MP, the tray is not switched to Multi-Purpose tray.</p>

JOB MENU

Use the JOB MENU to define all settings relating to print quality, as well as Menu clear.

Item	Values and Functions
SRT MODE (Samsung Resolution Enhancement Technology)	ENHANCE (Factory Default) NORMAL GRAY Use the printer's SRT (Samsung Resolution enhancement Technology) setting to produce print with smooth angles, curves, and edges. ENHANCE : Better Text Image GRAY : Better Photo Image
TIMEOUT	0~300 15(Factory Default) The TIMEOUT Setting determines the amount of time (in seconds) the printer waits before printing the last page of a print job that does not end with a command to print the page. When a print timeout occurs, the printer prints the data in the print buffer. 0 : No timeout.
DENSITY	LIGHT MEDIUM (Factory Default) DARK Lighten or darken the print on the page by changing the DENSITY setting. The MEDIUM setting usually produces the best results.

Item	Values and Functions
PAP.TYPE	<p>NORMAL (Factory Default) THICK WET TRANSP.</p> <p>The PAP.TYPE setting lets you specify the type of print material installed in each tray.</p> <p>Select NORMAL if the printer material is plain paper.</p> <p>Select THICK if the printer material is thick paper, high cotton paper or envelopes.</p> <p>Select WET if printer material is thin paper(60g) and the air is humid.</p> <p>Select TRANSP. if printer material is transparencies. (if the TRAY menu is MP or Manual) you select this value.</p>
MENU CLR	<p>When you select MENU CLR, the printer resets to the factory default setting for each menu item.</p>
SMET (Samsung Memory Enhancement Technology)	<p>ON (Factory Default) OFF</p> <p>This setting makes the printer process more data by optimizing the memory.</p> <p>If the value is set to ON, the complex data can be processed.</p>

Item	Values and Functions
DUP.TOP	5.0 (Factory Default) 0~9.9mm (In increments of 0.1) <p>This item lets you select the top margin of the print materials when the Duplex menu item is set to Long.</p>
DUP.LEFT	5.0 (Factory Default) 0~9.9mm (In increments of 0.1) <p>This item lets you select the left margin of the print materials when the Duplex menu item is set to Long.</p>
S-BIND	0 (Factory Default) 0~22mm (In increments of 1) <p>This item lets you select the left margin for the binding when short edge duplexing.</p>
L-BIND	0 (Factory Default) 0~22mm (In increments of 1) <p>This item lets you select the left margin for the binding when long edge duplexing.</p>
FUSER CLEAN	<p>If there happens random dirty spots on the back side of paper, Select FUSER CLEAN. It cleans fuser contamination.</p>

TEST MENU

Use the TEST MENU to print a variety of listings relating to available printer resources, printer settings and print jobs.

Item	Values and Functions
SELFTEST	Select SELFTEST to print a configuration page. This menu item lets you make sure the printer is operating correctly. For more information, see page 2.11.
DEMOPAGE	Select DEMOPAGE to print the standard demonstration page.

PCL MENU

Use the PCL MENU to change printer settings that only affect jobs printed using the PCL emulation printer language.

Item	Values and Functions
FONTLIST	You can print a font sample list showing all the fonts available for PCL emulation.
TYPEFACE	PCL 1 ~ PCL 54 PCL 1 (Factory Default)
SYMBOL	ROMAN 8 DESKTOP : PC8 (Factory Default) List of symbol set name A SYMBOL set is a set of alphabetic and numeric characters, punctuation, and specific symbols used when printing with a selected font. In PCL emulation, a symbol set also defines which character will be print for each key on the keyboard (or more specifically, for each code point).

Item	Values and Functions
LINES	<p>5 ~ 128 60 (Factory Default : USA, Canada) 64 (Factory Default : Others Country)</p> <p>Use the LINES menu item to change the number of lines that print on each page. The setting can range from 5 to 128 lines per page.</p> <p>The printer sets the amount of space between each line based on the Lines, Paper size, and Orientation settings.</p>
PITCH	<p>0.44~99.99 10.00 (Factory Default)</p> <p>If you chose a scalable monospaced font, you can select the font pitch. PITCH refers to the number of fixed - space characters in a horizontal inch of type.</p> <p>You can select from 0.44 to 99.99 characters per inch in increments of 0.01 cpi.</p>
PT.SIZE	<p>You can select the character size for the font. PITCH or PT.SIZE appears according to the value of TYPEFACE.</p>
COURIER	<p>REGULAR (Factory Default) DARK</p>

I/O MENU

This menu is only available if the Serial/LocalTalk option card is installed in your printer.

Item	Values and Functions
BAUDRATE	<p>This setting lets you select the rate at which data is being sent to or from your computer.</p> <p>Setting the COM Port and printer setting at anything higher than 19200 bps will create unexpected errors in DOS mode.</p> <p>300~115200 9600(Factory Default)</p>
ROBU.XON	<p>ON(Factory Default) OFF</p>


PS3 MENU



Item	Values and Functions
FONT LIST	<p>prints the font list showing all the fonts available for PostScript.</p>
PS.ERROR	<p>ON OFF (Factory Default)</p> <p>determines what action the printer should take when an error occurs in PS interpreter. When set to OFF, the printer does not print error information when error occurs in PS interpreter. When set to ON, the printer prints error information when error occurs in PS interpreter.</p>

NETWORK MENU

This menu is only available if the Network option card is installed in your printer.

	Menu	Item	Value	Enter/Cancel
On Line				
Pressing On Line/Continue	Pressing Menu cycles forward or backward	Pressing Item cycles forward backward	Pressing Value cycles forward backward	Pressing Enter/Cancel
OFFLINE	NETWORK MENU	RESET NIC		The PortThru card is reset
		CFG NET	NO	Select YES or NO
		TCP/IP	ON	Select ON or OFF for enabling
		CFG TCP	NO	Select YES or NO
		LPD	ON	Select ON or OFF for LPD printing
		APL TALK	ON	Select ON or OFF for enabling
		NETWARE	ON	Select ON or OFF for IPX/SPX
		CFG NWAR	NO	Select YES or NO
		UPDATE	NO	Select YES or NO or for upgrading
		BOOT SVR	UNIX	Select Unix or Windows
		FACTORY DEFAULT		Select for Factory Default settings
		PRINT NET CFG		Select for test printing

Item	Values and Functions
RESET NIC	 The PortThru card is reset.
CFG NET	YES NO This menu item lets you configure network settings.
TCP/IP	ON OFF This menu item lets you enable TCP/IP.
CFG TCP	YES NO This menu item lets you configure TCP/IP.
LPD	ON OFF This menu item lets you print using LPD.
DHCP CFG ADRS BOOTP RARP	YES NO You can configure the print server for TCP/IP configuration parameters, DHCP, CFG ADRS, BOOTP, and RARP. When you enable TCP/IP protocol, you have to select one of the IP Address assignment methods, DHCP, CFG ADRS, BOOTP, RARP. In case of DHCP, RARP, BOOTP, you need to configure the server. In case of CFG ADRS, you have to enter the IP address, Subnet mask, Default Gateway manually.
APL TALK	ON OFF When you set APL TALK to OFF, this PortThru can not be detected by Macintosh systems.
NETWARE	ON OFF You can configure the printer server for IPX/SPX configuration parameters, and FRAME. When you set it to ON, you may select the Frame Type.

Item	Values and Functions
CFG NWAR	YES NO <p>This menu item lets you configure IPX/SPX configuration parameters.</p>
AUTO EN-8023 EN-II EN-8022 EN-SNAP	ON OFF <p>These items are the frame type for IPX/SPX protocol. You can select one of these. If you don't set any value, Auto(default value) which switches the frame types automatically is used.</p>
UPDATE	YES NO <p>You need to set the server that provides the upgrade file. You can set it to UNIX or WINDOWS. After setting the server for update, you should reset printer. Upgrade process will be done.</p>
BOOT SVR	UNIX WINDOWS <p>If you want to set UNIX to the server that provide the upgrade file, you have to save the file to be upgraded to it and configure the file name and path to bootptab of it. If you want to set WINDOWS to the server that provides the upgrade file, you have to enter the IP address of the server that has the upgrade file.</p>
FACTORY DEFAULT	 <p>You can reconfigure the PortThru card to the factory default value for each menu item. After selecting this menu, make sure that you reset printer.</p>
PRINT NET CFG	 <p>Select this menu item to print configuration pages.</p>

Resetting PortThru

To reset PortThru

- 1** Press **On Line/Continue**. **OFFLINE** appears on the display.
- 2** Press **Menu** until **NETWORK MENU** appears on the display.
- 3** Press **Item** until **RESET NIC** appears on the display.
- 4** Press **Enter** and **READY** appears on the display.



Configuring Network setting for PortThru

To configure network settings for PortThru.

- 1** Press **On Line/Continue**. **OFFLINE** appears on the display.
- 2** Press **Menu** until **NETWORK MENU** appears on the display.
- 3** Press **Item** until **CFG NET** appears on the display.
- 4** Press **Value** until **YES** appears on the display.
- 5** Press **Enter** and you can configure following network settings now.
- 6** Skip this step if you don't want to configure TCP/IP. Press **Item** until **TCP/IP** appears on the display.
 - a** Press **Value** until **ON** appears on the display.
 - b** Press **Enter** and PortThru can use TCP/IP for communicating.
 - c** Press **Item** until **CFG TCP** appears on the display.
 - d** Press **Value** until **YES** appears on the display.
 - e** Press **Enter** and you can select the IP address assignment method.
 - f** Press **Item** until the IP address assignment method you want appears on the display.
 - g** Take the **YES** by pressing the **Value** button.
 - h** Press **Enter**.
 - i** Skip this step if you don't select **CFG ADRS** as the IP address assignment method. Enter the IP address, Subnet mask, Default gateway by using **Item**, **Value** and **Enter** buttons.

- 7** Skip this step if you don't want to use LPD. **LPD** appears only if **TCP/IP** is **ON**. Press **Item** until **TCP/IP** appears on the display.
 - a** Press **Value** until **ON** appears on the display.
 - b** Press **Enter**.
 - c** Press **Item** until **LPD** appears on the display.
 - d** Take the **ON** by pressing the **Value** button.
 - e** Press **Enter** and PortThru can print using LPD.

- 8** Skip this step if you don't want to use AppleTalk protocol. Press **Item** until **APL TALK** appears on the display.
 - a** Take the **ON** by pressing the **Value** button.
 - b** Press **Enter** and PortThru can communicate with AppleTalk protocol.

- 9** Skip this step if you don't want to use IPX/SPX protocol. Press **Item** until **NETWARE** appears on the display.
 - a** Press **Value** until **ON** appears on the display.
 - b** Press **Enter**.
 - c** Skip this step not to configure IPX/SPX. Press **Item** until **CFG NWAR** appears on the display. Take the **YES** by pressing the **Value** button, then Press **Enter**.
 - d** Press **Item** until the frame type you want to use appears on the display.
 - e** Take the **ON** by pressing the **Value** button.
 - f** Press **Enter**.

Upgrading Firmware

To upgrade the firmware of your PortThru.

- 1** Press **On Line/Continue**. **OFFLINE** appears on the display.
- 2** Press **Menu** until **NETWORK MENU** appears on the display.
- 3** Press **Item** until **UPDATE** appears on the display.
- 4** Take the **YES** by pressing the **Value** button.
- 5** Press **Enter**.
- 6** If Unix is the server that provides the upgrade file, go to step 7. Otherwise go to step 8.
- 7** In case of Unix server:
 - a** Press **Item** until **BOOT SVR** appears on the display.
 - b** Press **Value** until **UNIX** appears on the display.
 - c** Go to step 9.
- 8** In case of Windows server: This step should be done after executing the section Upgrading Firmware In Abnormal Cases in see page 3.26.
 - a** Press **Item** until **BOOT SVR** appears on the display.
 - b** Press **Value** until **WINDOWS** appears on the display.
 - c** Enter the IP address of the server to provide upgrade file by using **Item**, **Value** and **Enter** button.
- 9** Reset printer and the firmware will be upgraded.

Restoring Factory Defaults

To restore factory default settings to the printer.

- 1** Press **On Line/Continue**. **OFFLINE** appears on the display.
- 2** Press **Menu** until **NETWORK MENU** appears on the display.
- 3** Press **Item** until **FACTORY DEFAULT** appears on the display.
- 4** Press **Enter**.
- 5** Reset printer and all settings will be reset to factory defaults.

Printing Test Pages

You can use the Front Panel to print out important information pages describing PortThru settings.

- 1** Press **On Line/Continue**. **OFFLINE** appears on the display.
- 2** Press **Menu** until **NETWORK MENU** appears on the display.
- 3** Press **Item** until **PRINT NET CFG** appears on the display.
- 4** Press **Enter** and the test pages will be printed out.

Upgrading the Firmware in a Unix Environment

Setting Unix as BOOTP server

- 1 There must be a BOOTP server present in the network environment in which the network printer is present.
- 2 On the BOOTP server the **/etc/bootptab** file must be created and an entry for the boot parameters must be made in the file as follows:
(Please check with your system manual).

```
npc:\
:pc:\
:ht=ether:\
:ha=000070414243:\
:sm=255.255.255.0:\
:gw=200.160.251.47:\
:lg=200.160.251.51:\
:sa=200.160.251.52:\
:hn:
:ip=200.460.251.18:\
:bf="/test/Firmwareup".\
:vm=rfc1048:
:ht=hardware type, ha=hardware add, image:download file name
```

Upgrading the Firmware

- 1 Set **UPDATE** to **YES** in the Network menu on the printer front panel.
- 2 Set **BOOT SVR** to **UNIX**.
- 3 Reset the printer.
- 4 It may take 3 minutes to reboot the printer.
Rebooting time depends on network traffic.

- Notes**
- *Firmware upgrading requires Tftp protocol. Check whether Tftp daemon is installed in advance.*
 - *Setting IP Address Assignment Method to DHCP is recommended in order to execute Firmware upgrading.*

Upgrading the Firmware in Abnormal Cases

Any error in the process of upgrading may result in disabling PortThru. In this case, perform the following steps.

In SyncThru

- 1** Select the **Upgrade Firmware** menu item under the **Maintenance** menu in SyncThru.
- 2** You can see the **Choose the Upgrade Firmware File** dialog box.
- 3** Check the **Wait Printer Request** check box.
- 4** Select the **Firmware file Name** you downloaded and its path, and then click **Start**.
- 5** You will see the message "Please set the values through the FRONT Panel to initiate FLASH Upgrade". Click **OK**.

Select the After this procedure, move to printer which you want to update and do as following procedure.

In Front Panel of the printer

- 6** Press **On Line**. **OFFLINE** appears on the display.
- 7** Press **Menu** until **NETWORK MENU** appears on the display.
- 8** Press **Item** until **UPDATE** appears on the display.
- 9** Take the **YES** by pressing the **Value** button.
- 10** Press **Enter/Cancel**.
- 11** Press **Item** until **BOOT SVR** appears on the display.
- 12** Press **Value** until **WINDOWS** appears on the display.
- 13** Press **Enter/Cancel**.

14 Set the IP address of the WINDOWS pc running SyncThru in step1. For example, if the IP address is 155.213.211.12, do as following steps.



- a** Press **Item** until **SV-IP B1** appears on the display.
- b** Press **Value** until **155** appears on the display.
- c** Press **Enter/Cancel**.
- d** Press **Item** until **SV-IP B2** appears on the display.
- e** Press **Value** until **213** appears on the display.
- f** Press **Enter/Cancel**.
- g** Press **Item** until **SV-IP B3** appears on the display.
- h** Press **Value** until **211** appears on the display.
- i** Press **Enter/Cancel**.
- j** Press **Item** until **SV-IP B4** appears on the display.
- k** Press **Value** until **12** appears on the display.
- l** Press **Enter/Cancel**.

15 Reset printer and the firmware will be upgraded.

Notes After the "Completed. Network Card will start about 30secs later" message is displayed on SyncThru, click OK. It may take a few seconds to write the new file to Firmware. Normally 30 seconds is sufficient.



chapter

4

Print Media

This chapter will help you understand what kind of paper you can use with the ML-7300 series printer and how to properly load paper in the different paper trays for the best print quality.

Topics included in this chapter are:

- u Loading Paper
- u Printing on Envelopes
- u Printing on Label
- u Printing on Transparencies

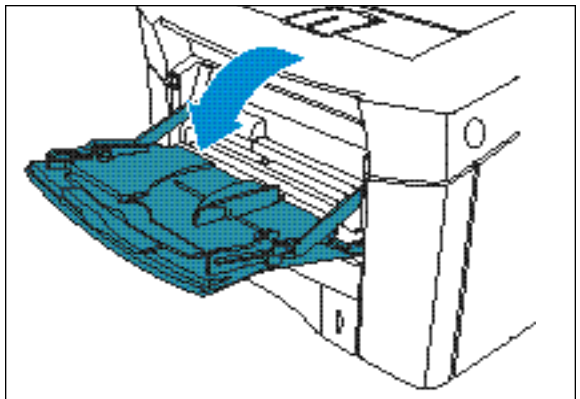
Loading Paper

Using the Multi-Purpose Tray

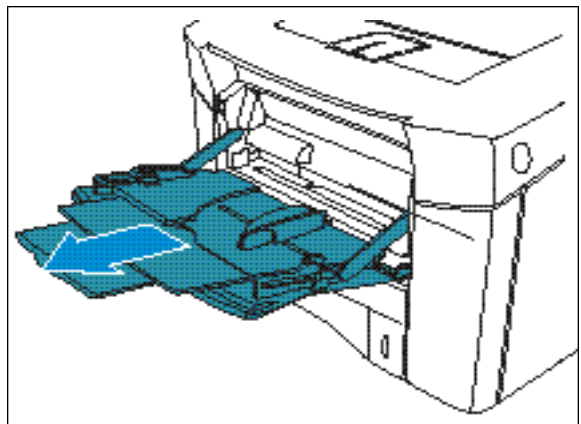
Multi-Purpose tray provides a convenient way to print envelopes, transparencies, or other type of media without having to unload the other tray.

To load paper in the Multi-Purpose tray, proceed as follows.

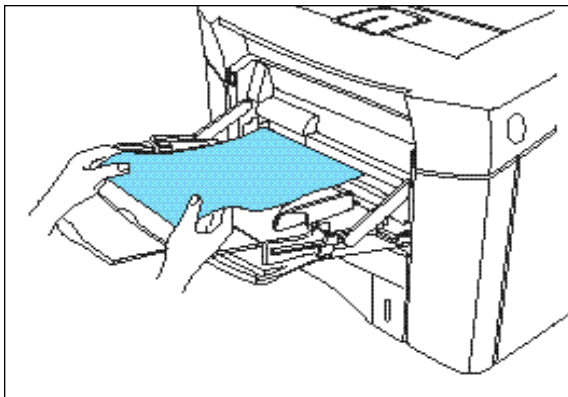
- 1** Pull the Multi-Purpose tray towards you.



- 2** Slide the length guide out toward you.

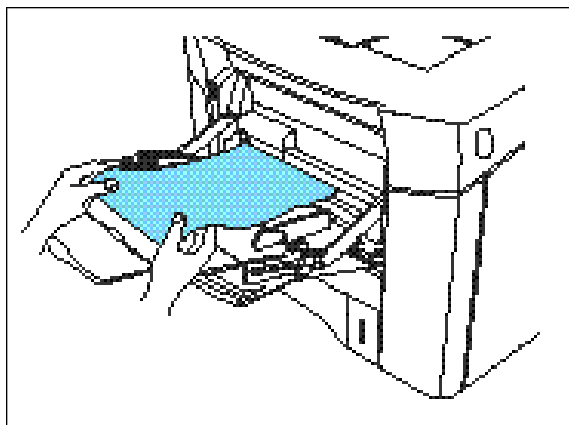


- 3** Flex the sheets back and forth to loosen them, then fan them.

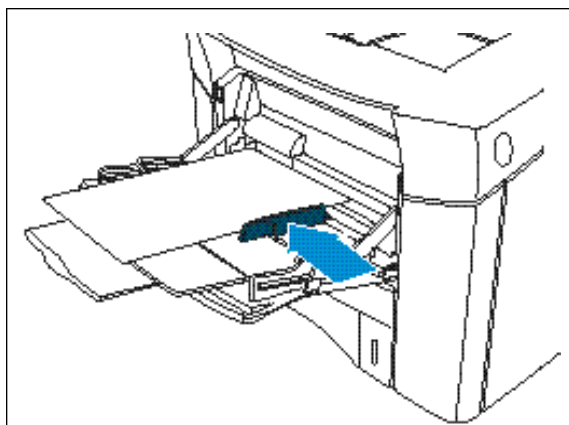


- Notes**
- Do not fold or crease the paper.
 - Place the paper with the recommended print side face up.

- 4** Place the paper against the side of the Multi-Purpose tray with the recommended print side face up and the top edge going in first toward the printer as shown.



- 5** Adjust the paper guide to the size of the paper inserted by pushing the guide.



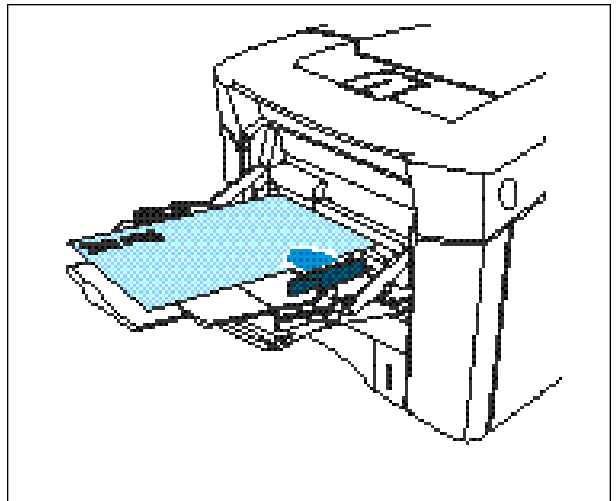
Manually Feeding Paper from Multi-Purpose Tray

The Manual Feed feature allows you to print on special paper from Multi-Purpose tray such as envelopes or letterhead.

If the Tray menu item is set to Manual, the printer will print only from Multi-Purpose tray.

Manual Feed is selected through the software or printer driver too.

- 1** Select Manual as the paper source.
 - Set the source item in the properties dialogue box to Manual.
 - You can select Manual as the paper source by setting the Tray item of the operator panel menu.
- 2** Print your document.
- 3** Place a sheet of paper in the Multi-Purpose tray.
- 4** Press continue key when you are prompted.



Letterhead / Prepunched Paper

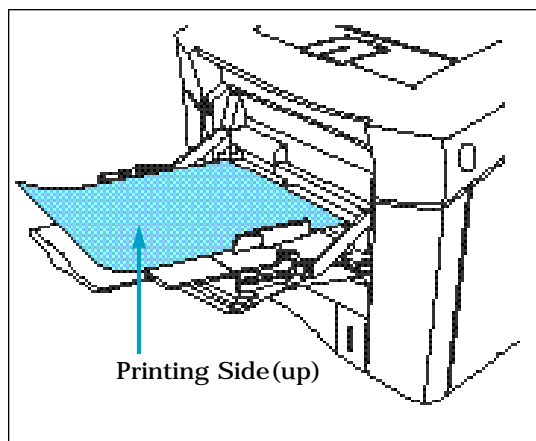
Special paper includes letterhead, prepunched, envelopes, labels, and transparencies.

When printing letterhead, prepunched paper, it is important to load the trays with the correct orientation.

For Multi-Purpose tray,

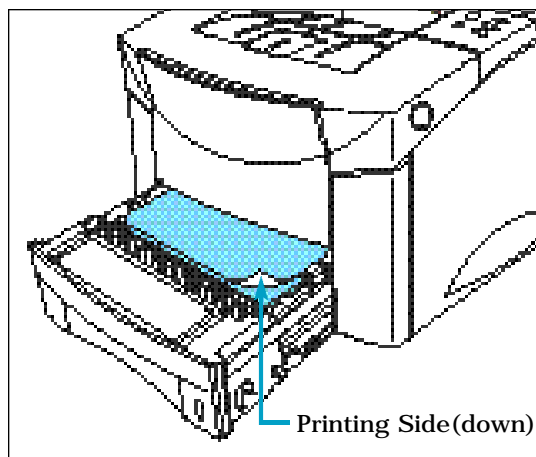
load the paper with the side-to-be-printed facing up, and the top, short edge toward the printer.

- Set the source item in the properties dialogue box to Manual or MP.
 - To print continuously from Multi-Purpose tray, set the source item to MP.
 - To print a sheet of paper from Multi-Purpose tray, set the source item to Manual.



For All other trays,

load paper with the side-to-be-printed facing down, and the top, short edge toward you.



Envelopes

Many types of envelopes can be printed from Multi-Purpose tray.

The types of envelopes are COM-10, MONARCH, DL, C5 and C6(60~90g/m²).

The printer will automatically feed up to 10 envelopes.

Printing performance depends on the construction of the envelope.

Printing information

- Set margins at least 0.6inch(15mm) from the edge of the envelope.
- Always test a few sample envelopes before purchasing large quantities.
- Select THICK paper for better quality.

Envelopes guidelines

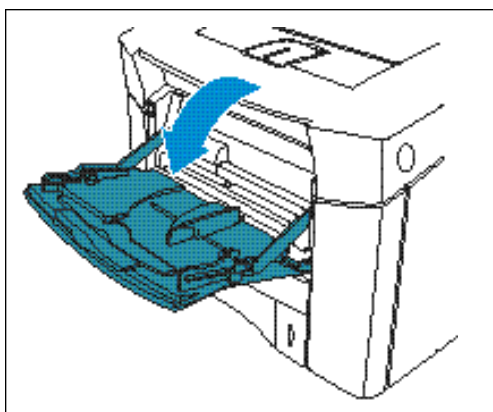
For best performance, use envelopes made from 75g/m²(20lb bond) paper.

Do not use envelopes that :

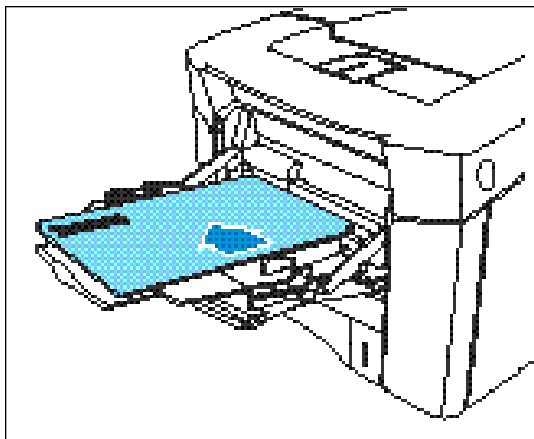
- Are damaged in any way.
- Use metal claps, string ties, metal folding bars.
- Contain windows, holes, cutouts or embossing.
- Have exposed flap adhesive when the flap is in the sealed or closed position. For envelope specifications, see page Appendix A.4.

Loading envelopes

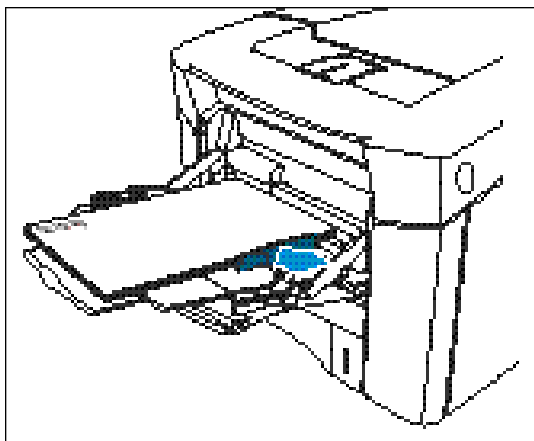
- 1 Open the Multi-Purpose tray.
Pull out the extension.



- 2 Load up to 10 envelopes in the left side of Multi-Purpose tray with the side-to-be printed facing up, and the postage-end toward the printer.

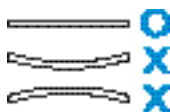


- 3 Adjust the guide to touch the envelope stack without bending the envelopes.



- 4 Set the source item in the properties dialogue box to Manual or MP.

Notes Do not use an envelope curled down side, refer to the figure.



(Side View)

Label

Labels automatically feed from the Multi-Purpose tray or the other trays.

Label guidelines

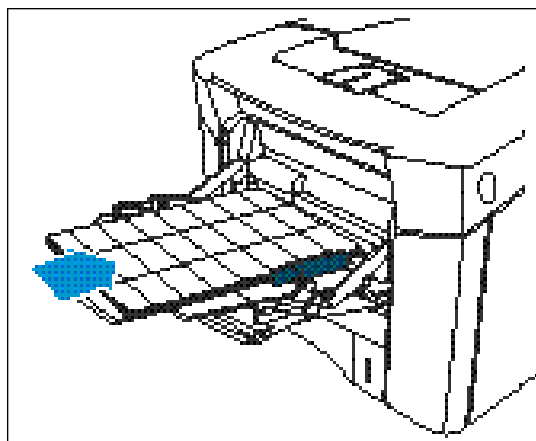
Make sure that labels meet the specifications for the tray you use.

- Use full label sheet. Partial sheets may cause labels to peel off during printing, resulting in a paper jam.
- The adhesive material should be stable at 400°F(205°C), the printers maximum temperature.
- Do not use labels that have the backing sheet exposed.

Notes *Do not print on both sides of labels.*

Label orientation

- For Multi-Purpose tray, load the labels with the side-to-be-printed facing up, and the short edge toward the printer. Print a stack of 25 labels from Multi-Purpose tray.



Transparencies

Transparencies automatically feed from the Multi-Purpose tray or the other trays. Some brand of transparencies may require manual feeding.

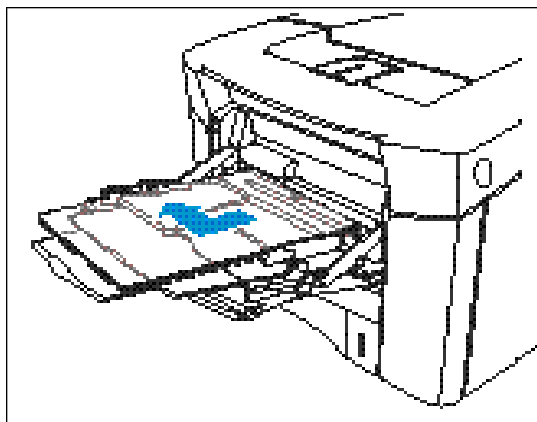
The Multi-Purpose tray is a tray that holds the paper of A4 or Letter, including up to 30 sheets.

Transparencies guidelines

- Use only transparencies recommended for use in laser printers.
- Place transparencies on a flat surface to cool after removing them from printer.

Transparencies orientation

- For Multi-Purpose tray, load the transparencies with side-to-be-printed facing up, and the top toward the printer. Print a stack of 30 transparencies from Multi-Purpose tray.



- Notes** • *Because transparencies are heavier than paper, do not load the trays to capacity.*
- *Remove each transparency from the output bin before printing another.*



chapter

5

Printing Tasks

This chapter explains your printing options and give common printing tasks.

Topics included in this chapter are:

- u Using Features in the Printer Driver
 - With Windows 95/98/NT 4.0/2000
 - With Windows 3.1
- u Using the Printer Driver
 - Paper Tab
 - Graphics Tab
 - Output Tab
 - Printer Tab
 - Overlay Tab
 - Watermark Tab
- u Printing Both Sides of Paper

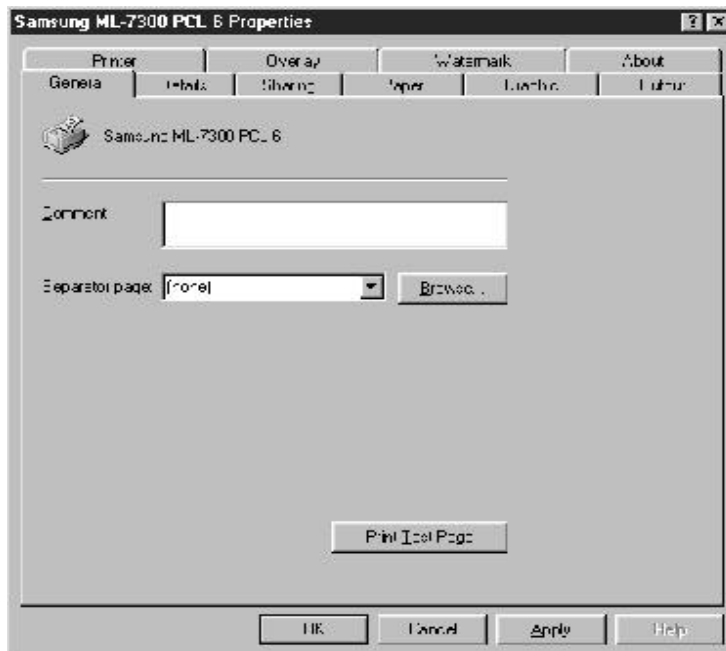
Using Features in the Printer Driver

When you print from software application, many of the printer's features are available from the printer driver.

To change the settings from a software application, do the following way.

With Windows 95/98/NT 4.0/2000

- 1 Select **Start-Settings-Printers** from the Windows task bar.
- 2 Double-Click on the desired printer driver icon.
- 3 Select **Printer-Properties**.
- 4 Click on the appropriate tab.
- 5 Select the required options.



With Windows 3.1

- 1** From **Program Manager** Windows, double-click on the **Control Panel** icon within the Main Program group.
- 2** Double click on the **printers** icon within the **Control Panel** Windows.
- Result** *The OFFLINE message appears on the display and the printer is off-line.*
- 3** In the Installed Printers list, click on **Samsung ML-7300** (PCL 6 or PCL 5e) if it is not already highlighted.
- 4** Click on the **Setup** button.
- 5** Select the required options.

See page 5.9

General

You can print a test page and view the driver information.

See page 5.10

See page 5.7

See page 5.5

See page 5.12

See page 5.3

Sharing

You can share the printer.

Details

You can select the printer port and spool setting.

Notes *Changes made from a software application override the user default setting made from the printer operator panel.*

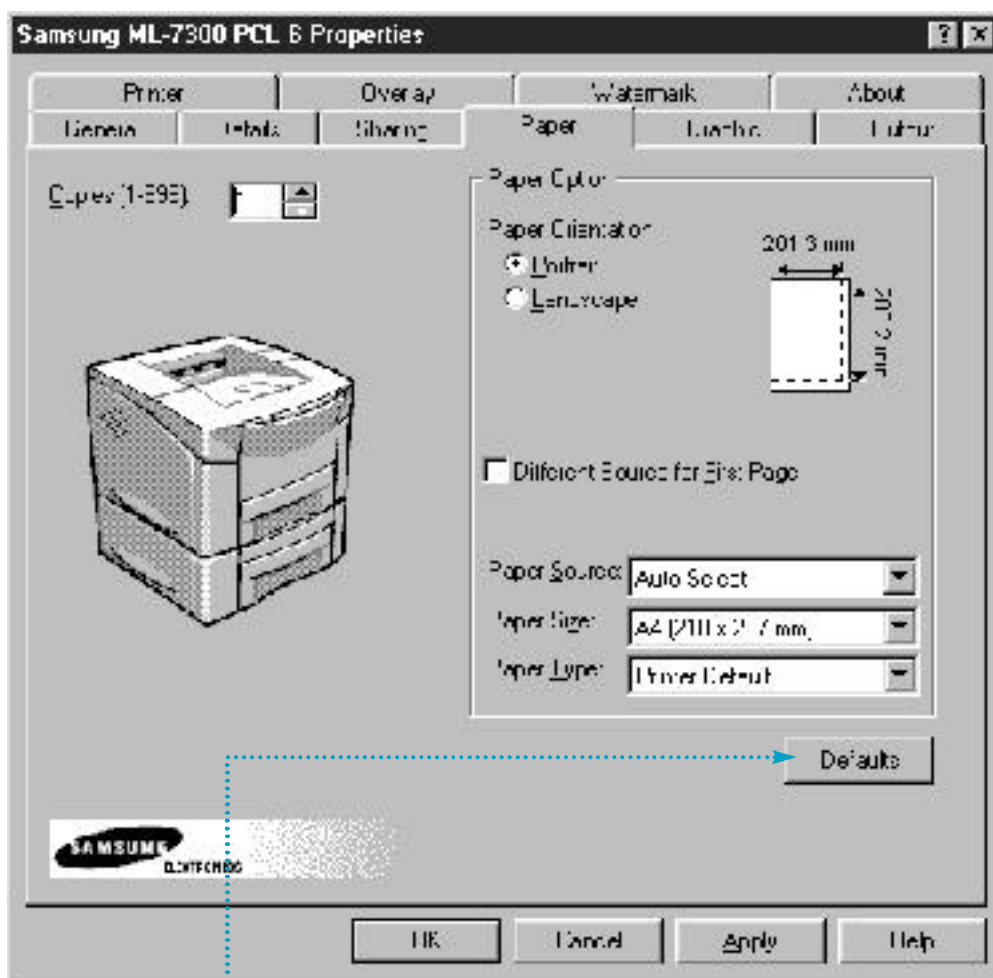
Using the Printer Driver

The features of the printer driver are organized under **ten tabs** :

Click on a tab at the top of the properties window to access one of the nine dialog boxes.

Each tab of the properties box is described in this section.

Paper Tab

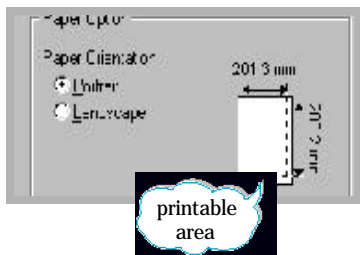


You can restore all the original settings of the PCL 6 printer driver by clicking Restore Defaults.



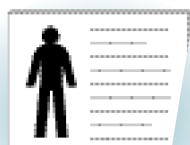
Copies

Use the Copies box to set the number of copies you want to print.

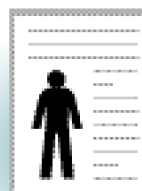


Paper Orientation

Choose Portrait or Landscape to select the default orientation of the printed page.



Landscape



Portrait



Different Source for First Page

If the box is checked, this feature is enabled and the dialog box allows you to select the desired paper source for the **First Page** and **Other Pages** independently.

If the box is empty, this feature is disabled.

Paper Source

The source setting identifies the default paper tray.

Paper sizes

Use this setting to select the paper size.

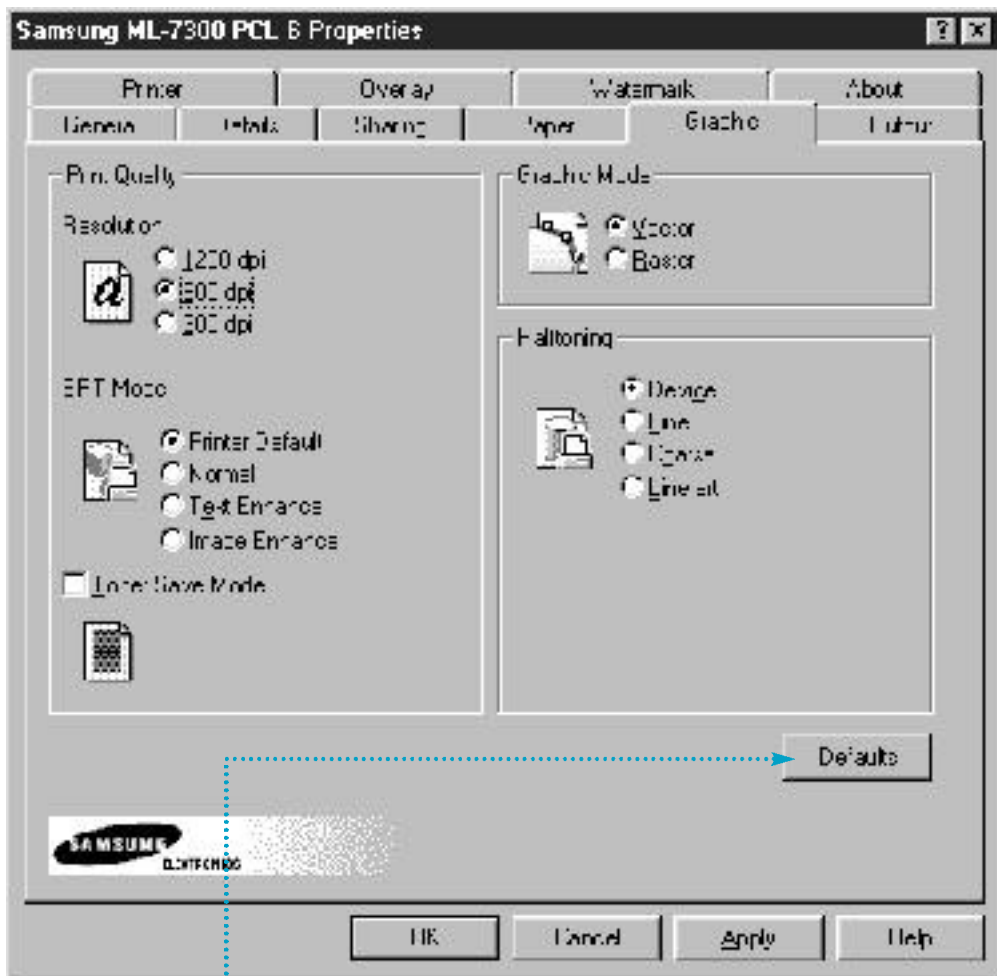
Paper type

The Paper type setting lets you specify the type of print material installed in each tray.

Important *If you want to know more about each menu, click on the **Help button**. The help screen gives detailed information about each menu.*

Graphic Tab

The settings on the Graphic tab allow you to fine tune your image quality and to balance print quality and print speed.



You can restore all the original settings of the PCL 6 printer driver by clicking Restore Defaults.



Resolution

Select from the available setting to set the maximum resolution for your print jobs.



SRT Mode

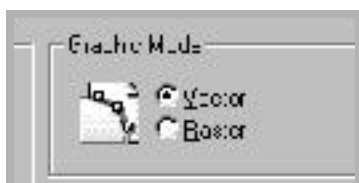
Some printed characters or images can appear to have jagged or uneven edges. Set this Samsung Resolution enhancement Technology (SRT) option to improve the print quality of your text and image and make the characters and images appear smoother.

Notes *SRT Mode is disabled when 1200 dpi settings are selected.*



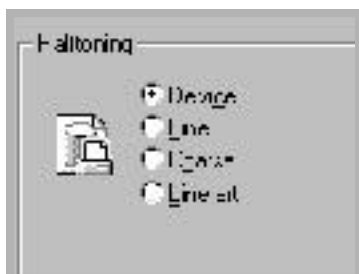
Toner Save Mode

This determines the amount of toner to be used while printing a page. The printer uses 50% less toner when Toner Save Mode is selected.



Graphic Mode

This setting allows you to change the Graphic Mode.



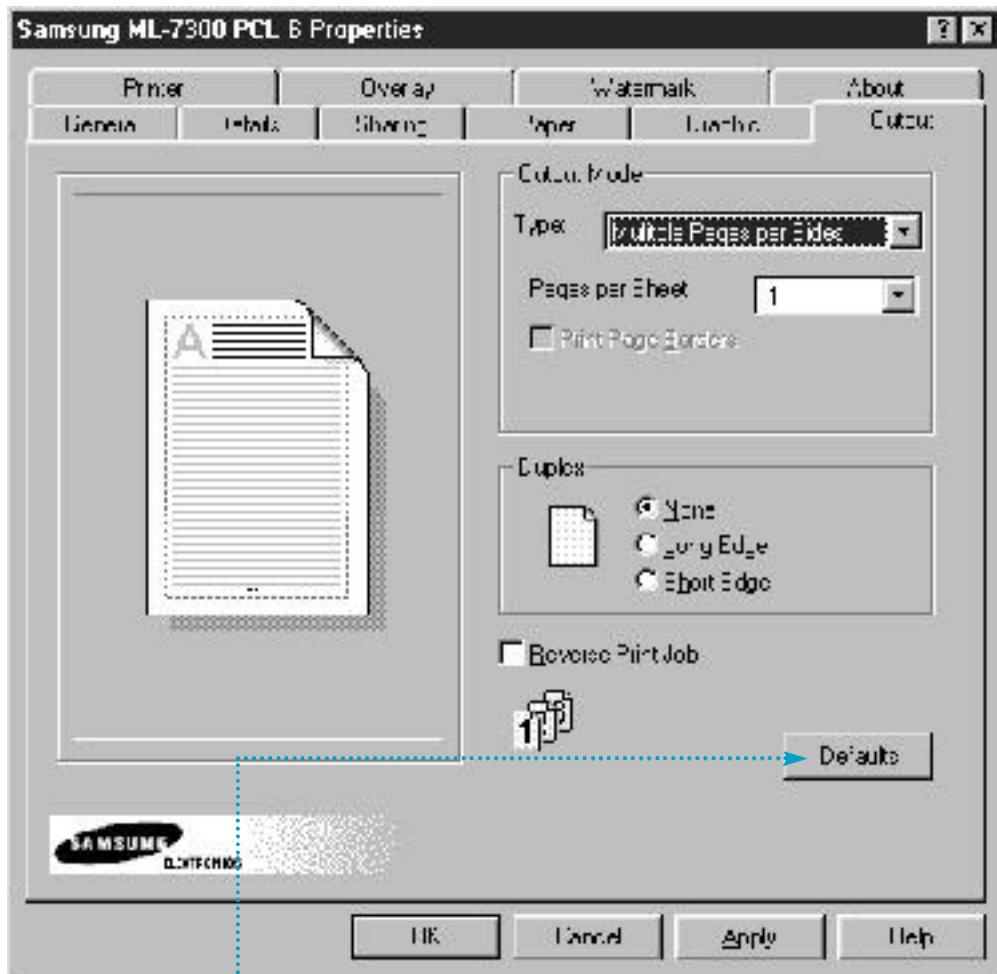
Halftoning

This setting lets you fine-tune the way colors in graphic images are converted to gray dot patterns.

Important *If you want to know more about each menu, click on the **Help button**.*

The help screen gives detailed information about each menu.

Output Tab



You can restore all the original settings of the PCL 6 printer driver by clicking Restore Defaults.