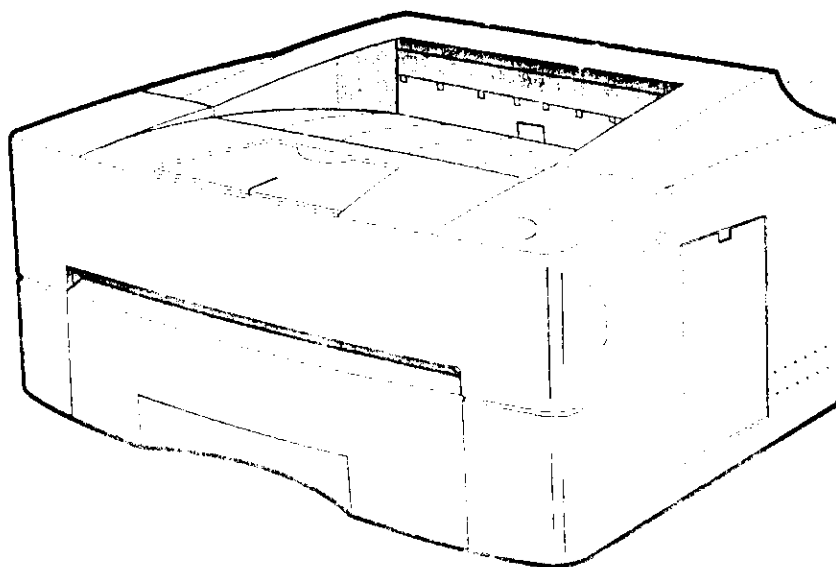




# ML-6000 LASERBEAM PRINTER

## USER'S MANUAL



## FCC COMPLIANCE NOTICE

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 the 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 will void the user's authority to operate this equipment.

The Federal Communications Commission has developed a useful booklet entitled, "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

## 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.

## CDRH REGULATIONS

This printer is certified as a "Class 1" laser product under the U.S. department of health and human services(DHHS) radiation performance standard according to the radiation control for health and safety act of 1968.

This product complies with FDA radiation performance standard, 21 CFR subchapter J.

Since radiation emitted inside this printer is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.


## LASER STATEMENT(LASERTURVALLISUUS)

**WARNING** NEVER OPERATE AND SERVICE THE PRINTER WITH THE PROTECTIVE COVER REMOVED FROM LASER/SCANNER ASSEMBLY. THE REFLECTED BEAM, ALTHOUGH INVISIBLE, CAN DAMAGE YOUR EYES.

Class 1 Laser product

Luokan 1 Laserlaitte  
Klass 1 Laser apparat

Alonpitäjä 770 - 00000  
Teho O. Puhelin 00358 000000000

	<b>CAUTION</b> - INVISIBLE LASER RADIATION WHEN THIS COVER IS OPEN. DO NOT OPEN THIS COVER.
	<b>VAROITUS</b> - TÄLLÄ LAITTEELLA TUOTETAAN KÄSIÄ VAMMANTUOVAA SÄTEILYÄ. ÄLÄ AVAA LAITTEEN SUOJAPELLETTÄ, JOS LAITTEEN KÄYTTÖOHJEITA EI OLE LUKUUN.
<b>ATTENTION</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.
<b>ATTENZIONE</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.
<b>ATTENTION</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.
<b>ADVAERTING</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.
<b>AVVERTIMENTO</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.
<b>VARO</b>	INVISIBLE LASER RADIATION WHEN COVER IS OPEN. DO NOT OPEN COVER.

**CAUTION** : Avoid exposure to invisible laser radiation when the development unit is not installed. Use of controls or adjustments other than those specified herein may result in radiation exposure.

## POWER SAVER

This printer contains advanced energy conservation technology that reduces power consumption when it is not in active use.

When the printer does not receive data for an extended period of time, power consumption is automatically lowered.

For potentially faster printing of the first page, you may turn the power save off from the Remote Control Panel setting.



The energy star emblem does not represent EPA endorsement of any product or service.

## OZONE EMISSION

This printer has no corona wires and therefore does not generate ozone gas.

### UL STANDARDS FOR OZONE

A standard for ozone emissions has been established by Underwriters Laboratory (UL). This printer meets this standard when shipped from the factory to our customers.

## EC DECLARATION OF CONFORMITY

We,

SAMSUNG ELECTRONICS CO., LTD  
416, Maetan-3Dong, Paldal-Gu,  
Suwon City, Kyungki-Do, Korea

declare sole responsibility that the

### **ML-6000, Laserprinter**

meets the intent of Directive 89/336/EEC for Electromagnetic Compatibility. Compliance was demonstrated to the following specifications as listed in the official Journal of the European Communities:

#### EN 50081 – Emissions:

EN 55022	Radiated, Class B
EN 55022	Conducted, Class B

#### EN 50082 – Immunity:

IEC 801-2	Electrostatic Discharge
IEC 801-3	RF Radiation
IEC 801-4	Fast Transient
IEC 801-5	SURGE

## SAFETY INFORMATION

Safety and Regulatory Listing for this printer:

### PRODUCT SAFETY

USA	UL 943 (UL Listed)
CANADA	CSA C22.2 950 (CSA Certification)
IEC (Europe)	IEC 950 (EN 60950) (ULV CE Certified)
CB	IEC 950

### LASER SAFETY

EEC (Europe)	HD 191, & EN60825
USA	21 CFR, Chapter I, Subchapter J (CDLRL) 101.10

# 9

# Technical Specifications

---

## *Overview*

The appendix is divided into :

- Paper specifications
- Printer specifications
- Cable Specifications

## Paper specifications

### Acceptable paper size for all trays

The following table gives details about the print material you can load in each of the printer trays.

Paper	Paper size	Tray 1	OPT Tray
A4	210 × 297	●	●
LETTER	216 × 279(8.5×11")	●	●
FOLIO(LEGAL 13")	216 × 330(8.5×13")	●	●
LEGAL(LEGAL 14")	216 × 356(8.5×14")	●	●
EXECUTIVE	184 × 267(7.25×10.5")	●	●
STATEMENT	140 × 216(5.5×8.5")		
ISO B5	176 × 250	●	●
JIS B5	182 × 257	●	●
A5	148.5 × 210		
A6	105 × 148.5		
ENVELOPE			
COMB 11	105 × 241(4.12×9.5")		●
MONARCH	98 × 191(3.87×7.5")		●
DLE	110 × 220(4.33×8.66")		●
DL	182 × 257(7.17×10.1")		●
DLE	114 × 169(4.49×6.65")		●

**Acceptable paper size for all trays**  
*continued*

Paper	Paper size	Tray 1	OPT Tray
TRANSPARENCY			
- A4	210 × 297		
- LETTER	216 × 279(8.5×11")		
LABEL			
- A4	210 × 297		
- LETTER	216 × 279(8.5×11")		
A6(INTERNATIONAL	100 × 148		
POST CARD)			
PAPER WEIGHT			
- CUT SHEET		16-24a	16-24b
- ENVELOPE			16-20b
PAPER CAPACITY			
- CUT SHEET		500(10b)	100(20b)
- ENVELOPE			100(10b)
- LABEL			
- TRANSPARENCY			



## Supported types of paper

The printer supports the following types of paper :

- Plain
- Letterhead
- Bond
- Rough
- Prepunched
- Preprinted
- Color
- Recycled
- Transparency
- Labels
- Card Stock

## Guidelines for using paper

Make sure the paper is good quality

### Labels

---

To avoid damaging the printer, use only labels recommended for use in laser printers.

- The adhesive material should be stable at 400°F(205°C), the printer's maximum temperature.

### Transparencies

---

To avoid damaging the printer, use only transparencies recommended for use in laser printers.

- Transparencies used in the printer must be able to withstand 400°F(205°C), the printer's maximum temperature.

## Printer Specifications

### Mechanical characteristics

Characteristic	Description
Dimensions	
Weight	
Acoustic noise	
Input voltage range	
Rated frequency range	
Power Consumption	Idling Printing(average) Printing(peak)

### Environment

Characteristic	Description
Temperature	Operating Recommended Storage
Humidity	Operating Recommended

### Toner cartridge

Characteristic	Description
Print capacity	Approximate 1000 pages (A4, 5% coverage)

## Engine

Characteristic	Description
Speed	12 PPM
Resolution	600 DPI + RET
Imaging	Electrophotography
Toning/Fusing	Non-mag monocomponent/contact
WarmUp time	Less than 55 secs
FROT	Less than 13 secs
Duty Cycle	Maximum 50,000 pages per month
Size(WDH)	??? X ??? X ???mm
Weight	Less than ??kg(??lbs)
Power Consumption	750W Max/ 280W Avg/ 20W Sleep
Noise Level	Printing : 50dB Standby : 36dB Sleep : Background noise

## Paper Handling

Characteristic	Description
Input Capacity	250 sheets
Optional Input	250 sheets
Output Capacity	250 sheets Facedown
Printed Order	Supported by Multi-Purpose tray
Supported Paper	<ul style="list-style-type: none"> <li>● 1st tray : A4, L1, FO, LG, FXE, 10 Bas (2411g)</li> <li>● 2nd tray : 10M 10, MON, DL, 10, 11 (16-36 lbs)</li> <li>● Minimum Paper size : A6</li> <li>● 2nd Tray : 1st tray + manual Paper</li> </ul>
Paper Weight	Yes

## Controller

Characteristic	Description
CPU	Power PC, 100MHZ
Emulations	<ul style="list-style-type: none"> <li>● Default : PCL6</li> <li>● Option : Postscript level 2</li> <li>● 4MB Standard</li> </ul>
Memory	<ul style="list-style-type: none"> <li>● Max up to 16MB</li> <li>● 2, 4MB Flash memory option</li> <li>● Postscript : 12MB Standard</li> <li>● IEEE 1284 B type</li> <li>● Option :</li> </ul>
Interface	<ul style="list-style-type: none"> <li>Serial RS 232C</li> <li>ILocal Talk</li> <li>LocalTalk</li> </ul>
AIS AES	Y-Y
Font	35 Intelligent, 10 TrueType, 158 Map
Operating System	PC: Windows 5.0, 5.01, 95