Quick Start Guide
Kurzanleitung
Guide de démarrage rapide
Guida di avvio rapida
Guía de instalación
Guia Rápido de Inicialização

2440 2540 Matrix Printer

CD-ROM inside

Important Information

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in accordance with the manufacturer's instructions, may cause interference in radio and television reception. It has been type tested and found to comply with the limits for class B computing devices in accordance with the specification in subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a partial installation. If this equipment does cause 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 the receiving antenna,
- Relocate the peripheral away from the receiver,
- Move the peripheral away from the receiver
- Plug the peripheral into a different outlet, so that the peripheral and receiver are on different branch circuits

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, prepared by the Federal Communications Commission, helpful: “How to Identify and Resolve Radio-TV Interference Problems”.

This booklet is available from the U.S. Government Printing Office, Washington DC 20402 Stock No. 004.000.00345.4.

WARNING: To comply with FCC regulations on electromagnetic interference for a class B computing device, the printer cable must be shielded. To assure compliance with FCC regulations for a computing device, use a shielded interface cable with a metal shell connector. The use of cables not properly shielded may result in violating FCC regulations.

This digital apparatus does not exceed the class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian department of communications.

This unit complies with DOC standard C108.8-M 1983

ATTENTION: Le présent appareil numérique n'ement pas de bruits radioélectriques déspassant les limites applicables aux appareils numériques de la classe B prescrites dans le règlement sur le brouillage radio-électrique édicté par le minstère des communications du Canada.

The paper used is made of raw materials treated with a chlorine-free bleaching process.

Das verwendete Papier ist aus chlorfrei gebleichten Rohstoffen hergestellt.

Le papier utilisé est fabriqué à partir de matières premières blanchis sans chlore.

La carta utilizzata è prodotta con materiali sbiancati senza cloro.

El papel utilizado ha sido fabricado con un proceso de blanqueo libre de cloro.

CE This device fulfils the European standards requirements by complying with the Directive of the Commission dated May 3, 1989 (89/336/EEC) relating to electromagnetic compatibility and the Directive dated February 19, 1973 (73/23/EEC) relating to low-voltage electrical equipment. Conformity with the above mentioned Directives is indicated by the CE symbol attached to the device.

Note: Conformity may be affected by:

- using interface cables not complying with the specifications
- non-observance of important instructions in the operator's manual
- installing components not approved for this device by the manufacturer
- unauthorized manipulation

CE Dieses Gerät erfüllt die Anforderungen der Europäischen Normen durch Einhaltung der Richtlinie des Rates vom 3. Mai 1989 (89/336/EWG) bezüglich der Elektromagnetischen Verträglichkeit sowie die Richtlinie vom 19. Februar 1973 (73/23/EWG) bezüglich Elektrischer Betriebsmittel mit Niederspannungen. Die Konformität zu den oben angeführten Richtlinien ist durch das am Gerät angebrachte CE-Zeichen gekennzeichnet.

Hinweis: Die Konformität kann beeinflußt werden durch:

- Benutzung von nicht spezifizierten Schnittstellenkabeln
- Nichtbeachtung wichtiger Hinweise der Bedienungsanleitung
- Ersetzen von Bauteilen, die nicht vom Hersteller für dieses Gerät freigegeben wurden
- Eingriffe durch Unbefugte

CE Cet appareil remplit aux exigences des normes européennes en respectant la directive du Conseil du 3 mai 1989 (89/336/CE) relative à la compatibilité électromagnétique et la directive du 19février 1973 (73/23/CE) en matière du matériel à basse tension. La conformité aux directives mentionnées ci-dessus est repérée par la marque de conformité de la Communauté Européenne (CE).

Remarque: La conformité peut être influencée par:

- l'utilisation de câbles d'interface non spécifiés
- le non-respect de consignes importantes du manuel d'utilisation
- le remplacement de composants qui n'ont pas été homologués pour cet appareil par le constructeur
- l'intervention de personnes non autorisées

CE Questo apparecchio soddisfa le richieste delle norme europee rispettando la direttiva del consiglio del 3 Maggio 1989 (89/336/CEE) relativa alla compatibilità elettromagnetica nonché la direttiva del 19 Febbraio 1973 (73/23/CEE) relativa a mezzi di produzione elettrici a bassa tensione. La conformità alle direttive sopra citate è contrassegnata con il simbolo CE applicato sull'apparecchio.

Nota: La conformità può essere influenzata tramite:

- Utilizzo di cavi interfaccia non specificati
- Inosservanza di importanti indicazioni delle istruzioni per l'uso
- Sostituzione di componenti per i quali non è stato dato il benestare dal produttore per questo apparecchio
- Interventi tramite persone non autorizzate

CE Este equipo corresponde a lo exigido en las normas europeas a base del cumplimiento de la directriz del Consejo del 3 de mayo de 1989 (89/336/CEE) en lo que se refiere a la compatibilidad electromagnética así como de la directriz del 19 de febrero de 1973 (73/23/CEE) en lo que se refiere a los materiales eléctricos con bajas tensiones. Para señalizar la conformidad con las directrices antes mencionadas, el equipo está dotado de la marca CE.

Indicación: La conformidad puede estar influida por:

- la utilización de cables de interface no especificados
- la inobservancia de indicaciones importantes contenidas en el manual de servicio
- la sustitución por componentes, que no han sido homologados por el fabricante para el equipo en cuestión
- intervenciones de personas no autorizadas

WARNING For continued protection against risk of fire, replace only with same type and rating of fuse. Only trained and qualified personnel may open covers or remove parts that are not explicitly shown and described in the provided documentation as being accessible to the operator.

WARNUNG Aus Brandschutzgründen nur Sicherungen desselben Typs und derselben Auslegung verwenden. Das Entfernen oder Öffnen von Abdeckungen und Teilen darf nur durch geschultes Fachpersonal vorgenommen werden. Ausgenommen hiervon sind nur solche Abdeckungen und Teile, deren Entfernen bzw. Öffnen in der mitgelieferten Dokumentation ausdrücklich gekennzeichnet und beschrieben sind.

ATTENTION Pour ne pas compromettre la protection contre les risques d'incendie, remplacer par un fusible de même type et de mêmes caractèristiques nominales. Seul un personnel qualifié et formé est habilité à démonter les sous-ensembles de la machine qui ne sont pas formellement indiqués dans la documentation fournie meme s'ils sont accessibles par l'opérateur.

ATTENZIONE Per evitare il pericolo di incendio, utilizzare esclusivamente fusibili dello stesso tipo e della stessa portata. Solo personale qualificato puo'accedere a parti che non siano esplicitamente descritte come accessibill all'operatore nella documentazione allegata.

ADVERTENCIA Sólo utilizar fusibles del mismo tipo y con las mismas características para evitar cualquier riesgo de incendio. Las cubiertas y piezas sólo deberán ser quitadas o abiertas por personal especializado. Se exceptúan de esta regla sólo las cubiertas y piezas cuya retirada y apertura estén indicadas y descritas expresamente en la documentación entregada conjuntamente.

QUICK START GUIDE

ENGLISH

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Chapter 1
Introduction

About this manual

This Quick start guide is intended as a quick introduction into working with the printer and also to enable inexperienced users to operate the device properly. It describes the most important functions of the printer and contains the essential information for your everyday work with the printer. A more detailed description of the printer, its characteristic features, and further information is contained in the User guide on the Online CD-ROM, which is inserted at the back of this manual.

Symbols used

Important information is highlighted in this manual by three symbols.

NOTE: A note is a tip or extra information that may be helpful in installing or using the printer.

CAUTION: A caution message provides information that may help you avoid equipment damage, process failure, or inconvenience. Read all caution messages carefully.

WARNING: A warning message indicates the possibility of personal injury if a specific procedure is not performed exactly as described in the guide. Pay close attention to these sections and read them fully to prevent possible injury.

Important safety instructions

Read the following instructions thoroughly before starting up your printer in order to prevent injuries and avoid damage to the device.

- Keep this Quick start guide in a place which is easily accessible at all times.
- Place the printer on a solid and even base so that it cannot fall down to the ground.
- Do not expose the printer to high temperatures or direct sunlight.
- Keep all liquids away from the printer.
- Protect the printer from shock, impact and vibration.
- Be sure to connect the printer to a socket with the correct mains voltage.
- Always disconnect the system from the mains before opening the device to perform maintenance work or remedy errors.
- Do not perform any operation or action in any way other than provided in this manual. When in doubt, contact your dealer or service company.
- Keep in mind that hazard warnings in this manual or on the printer cannot cover every possible case, as it is impossible to predict and evaluate all circumstances beforehand. Be alert and use your common sense.

Safety Precautions

This printer is available in two models, the 110 V model and the 230 V model. The specifications that apply to your printer depend on your machine configuration. To prevent fire or shock hazards, connect the power plug only to a properly rated power outlet.

Using the Online CD-ROM

First install the Adobe Acrobat Reader on your hard disk, unless the program has already been installed. To install it, follow the steps described in the README file in the READER directory.

Load the CD-ROM into the drive. The CD will start automatically. If not, call the Windows Explorer and double click on the START.PDF file. Then follow the instructions and menus on the screen.

Contents of the Online CD-ROM

The Online CD-ROM contains:

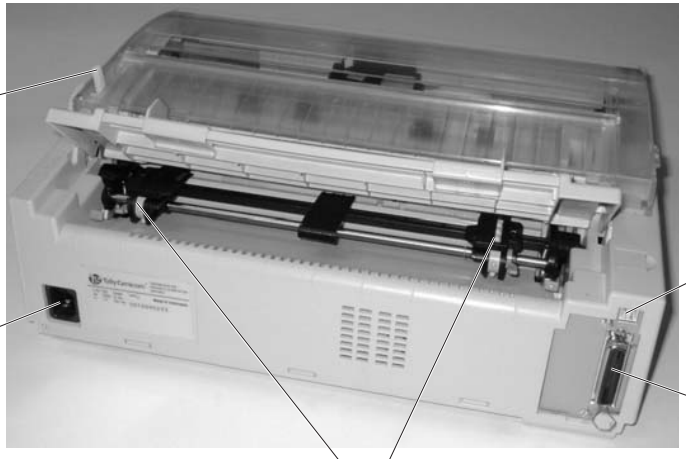
- User guide: A detailed description of the printer and its impressive features;
- Drivers: Windows xxxx
- Additional documentation: xxxx

If your CD-ROM is be defective or missing, please consult your dealer. The Online Documentation is also available as a hardcopy (at a cost) or can be downloaded via the Internet.

Troubleshooting

The User's Manual on the Online CD-ROM contains detailed Information on how to rectify errors. It deals with general printing problems as well as problems with the print quality and paper feed.

Printer components



Chapter 2
Setting up your printer

Unpacking the printer

Place your packaged printer on a solid base.

Make sure that the "Up" symbols point in the correct direction.

Open the packaging, lift the printer out of the cardboard box and remove the remaining packaging material.

Check the printer for any visible transport damage and missing items. The following items should be included:

Printer

Ribbon cassette

Power cord

Quick Start Guide and CD-ROM

If you find any transport damage or if any accessories are missing, please contact your dealer.

Placing the printer

Place the printer on a solid, flat, surface, ensuring that the printer is positioned in such a way that it can not topple, and that there is easy access to the control panel and paper input devices.

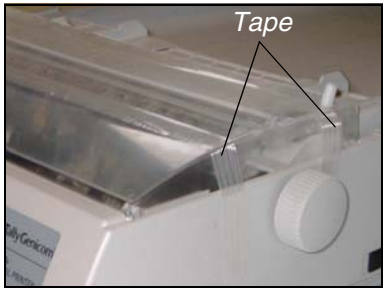
Also ensure that there is enough space for sufficient ventilation and for the printed output.

When selecting the printer location, observe the following additional instructions:

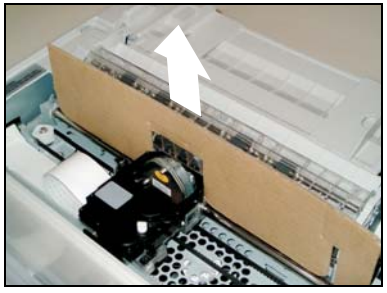
Never place the printer in the vicinity of inflammable gas or explosive substances.

- Do not expose the printer to direct sunlight. If you cannot avoid placing the printer near a window, protect it from the sunlight with a curtain.
- When connecting a computer to the printer, make sure not to exceed the maximum cable length (see *User guide* on the Online CD-ROM, *Technical Specifications*).
- Ensure sufficient distance between the printer and any heating devices/ radiators.
- Avoid exposing the printer to extreme temperature or air humidity fluctuations. Above all take care to avoid the influence of dust.
- It is recommended to install the printer in a place which is acoustically isolated from the workplace because of the noise it may produce.

Installation procedure



1. When the printer is first taken out of the packaging box, the cover of the printer is taped as shown in the diagram. Remove the tape.



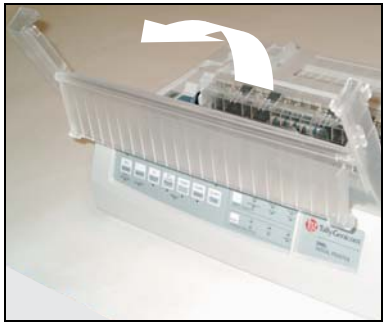
2. Open the cover of the printer and remove the shipping lock.

Keep the packaging for future transportation.

Installing the ribbon cassette

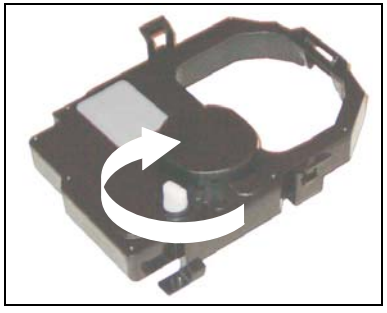
Proceed as follows to install the ribbon cassette.

Only use ribbon cassettes from the manufacturer as products from other manufacturers may damage the print head or the ribbon drive.

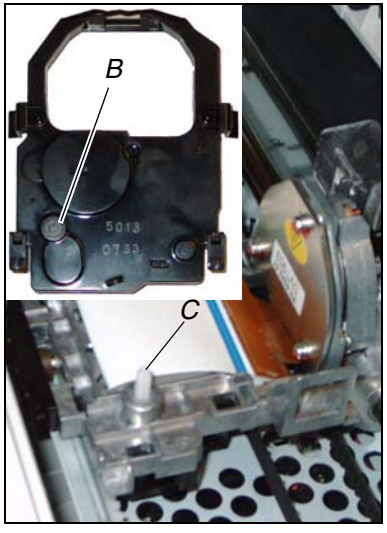


1. Remove the ribbon cassette from its packaging.
2. Open the printer cover.

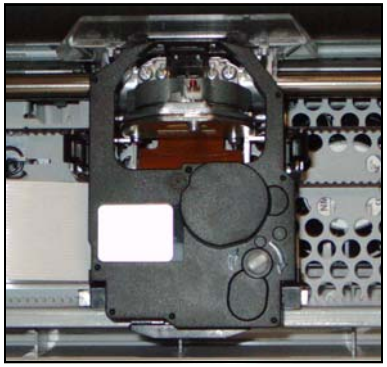
3. Adjust the printhead to the center of the print roller.



4. Turn the tension knob **A** in the direction of the arrow in order to take up slack of the ribbon.



5. Insert the recess **B** on the bottom of the ribbon cassette into the holding pin **C** of the mounting.



6. Push the cassette into its mounting until it clicks into position.
7. Close the cover of the printer.

Connecting the printer

Checking the printer voltage

Make sure that the device has been set to the correct voltage (e.g. 230 V in Europe, 120 V in the USA). To do this, check the type plate at the back of the printer. Contact your dealer if the setting is incorrect.

STOP

Never switch on the printer if the voltage setting is incorrect, since this may result in severe damage.

Connecting the mains power

1. Make sure that the power switch of the printer is in the Off position.
2. Connect the power cable to the power inlet of the printer. Connect the power cable plug to a mains socket.

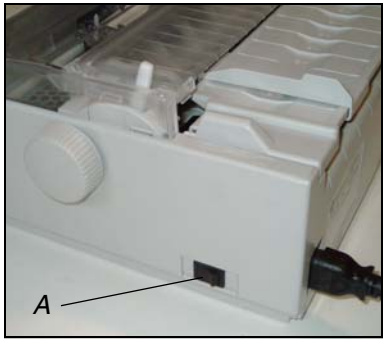
Connecting the interface cable

The printer by default is provided with a parallel Centronics interface and an USB interface.

For further information about the interfaces, refer to the User Guide on the Online CD-ROM.

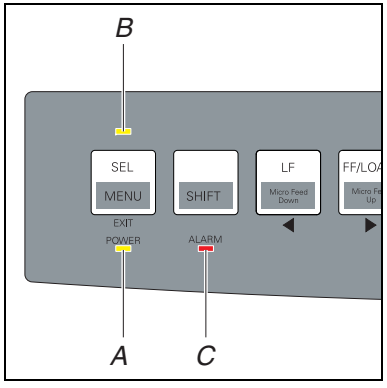
1. Make sure that the printer and the computer are switched off
2. Connect the data cable between the printer and the computer, in this example a 36-pin centronics parallel cable.

Switching on the printer



Press the power switch **A** which is located at the right side of the printer.

The printer initializes.



When the initialization is completed, the Power indicator **A** and the Ready indicator (SEL) **B** light up. If no paper has been loaded, the Alarm indicator **C** also lights. For more information on indicators, please refer to Chapter 5, "Control panel" on page 13.

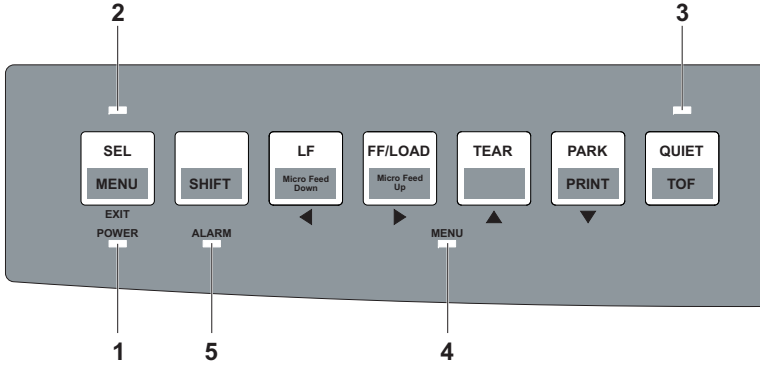
After loading paper, the printer is in the online status and ready to accept data from the system.

Chapter 3
Control panel

The control panel and the keys are used for controlling the printer operation. The control panel consists of nine keys for controlling the printer functions and four LEDs displaying the status of the printer. The function of the keys depends on the mode of the printer.

LED indicators

The LED lights of the control panel indicate the current status of the printer.

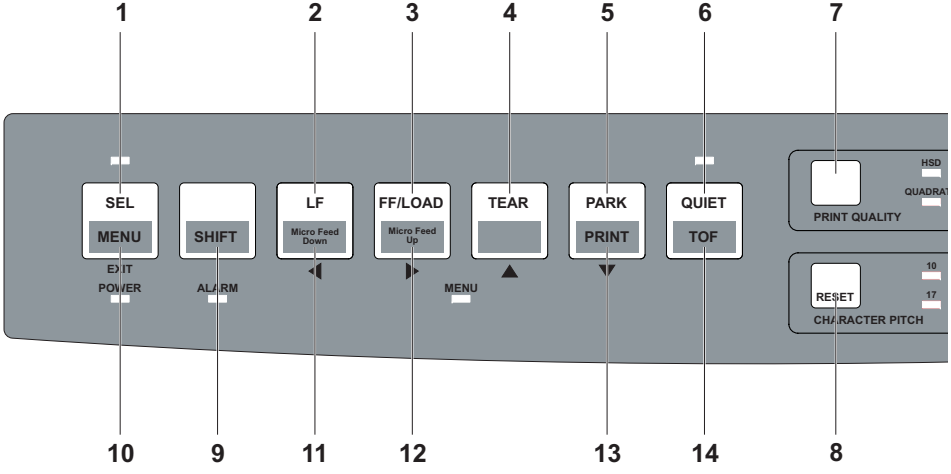


No.	LED	Status
1	POWER	On: the printer is switched on. Off: the printer is switched off.
2	SEL	On: the printer is in Online mode and ready to receive data from the computer. Off: the printer is in Offline mode and cannot receive data.
3	QUIET	On: the printer is in Quiet mode which reduces the printing noise by decreasing the print speed. Off: the printer is in normal printing mode.

No.	LED	Status
4	MENU	On: the printer is in Menu mode. Refer to the *User Guide* on the CD-ROM for further informations on the menu mode. Off: the printer is in Normal mode.
5	ALARM	On: the printer is in a fault status or paper is missing. Off: there is no fault status and paper is inserted.

Control panel keys

The control panel keys are used for controlling the printer operation. Key functions depend on printer status.



No.	Key	Function
1	SEL	Switches the printer online or offline.
2	LF	Advance paper up one line. Keep the key depressed for repetitive line feeds.
3	FF/LOAD	Feeds in single sheet of paper; advances continuous-form paper to print position.
4	TEAR	Moves continuous-form paper up for tear-off or back down for printing.

No.	Key	Function
5	PARK	Transports continuous-form paper to the park position. Use this key if you want to switch to single sheet print without removing the continuous papier.
6	QUIET	Activates the Quiet mode which reduces the printing noise by decreasing the print speed.
7	PRINT QUALITY	Selects the print quality/font. You have the following options: 9w model: HSD → DRAFT → COURIER → QUADRATO → OCR-B → OCR-A 24w model: HSD → DRAFT → COURIER → GOTHIC → PRESTIGE → ORATOR → ROMAN → SCRIPT → SANS SERIF → SOUVENIR → OCR-B → OCR-A For more information, refer to section “Print quality key” on page 16.
8	CHARACTER PITCH RESET (+ SHIFT)	Selects the character pitch. You have the following options: 10 → 12 → 15 → 17 → 20 → PROP Press this key in combination with SHIFT to clear a paper jam alarm. For more information, refer to section “Character pitch key” on page 18.
9	SHIFT	Press this key in combination with other keys to perform the following tasks.[1]
10	MENU + SHIFT	Press this key combination to activate Menu mode. Refer to the *User Guide* on the CD-ROM for further informations on the menu mode.
11	Micro Feed Down + SHIFT	9w model: Feeds paper backwards in 1/72 inch increments. 24w model: Feeds paper backwards in 1/72 inch increments.
12	Micro Feed Up + SHIFT	9w model: Feeds paper forward in 1/72 inch increments. 24w model: Feeds paper forward in 1/72 inch increments.

No.	Key	Function
13	PRINT + SHIFT	Press this key combination to printout an overview of the printer configuration.
14	TOF + SHIFT	Press this key combination to adjust the position of the first printing line. Refer to section “Setting the first printing line (TOF)” on page 27.

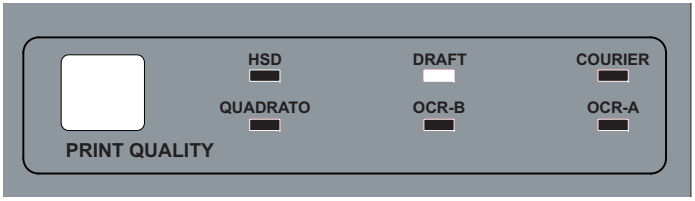
1 The printer must be in Offline mode.

Print quality key

The printer can print with different print qualities and fonts. The actual selected print quality is displayed by its respective LED light.

If you want to change the print quality setting, press the **PRINT QUALITY** key repeatedly until the desired print quality is set.

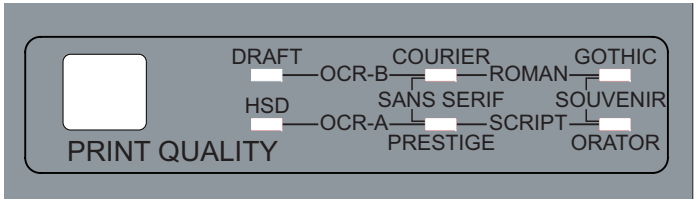
Print qualities 9 needle printer



The following print qualities/fonts are available:

HSD	High Speed Draft: prints with the highest print speed (533 cps at 10 cpi) but also lowest print quality.
Draft	Prints with high print speed (400 cps at 10 cpi) but with lower resolution as with Letter quality.
Courier	Prints the Courier font in Near Letter Quality.
Quadrato	Prints the Quadrato font in Near Letter Quality.
OCR-B	Prints the OCR-B font in Near Letter Quality.
OCR-A	Prints the OCR-A font in Near Letter Quality.

Print qualities 24 needle printer



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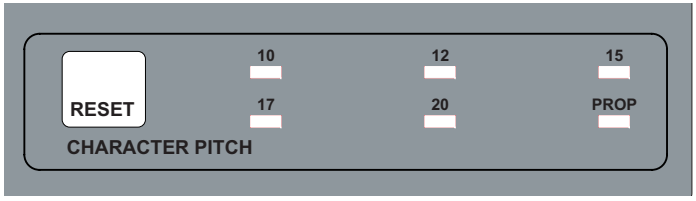
Draft	Prints with high print speed (400 cps at 10 cpi) but with lower resolution as with Letter quality.
Courier	Prints the Courier font in Near Letter Quality.
Gothic	Prints the Gothic font in Near Letter Quality.
Presstige	Prints the Presstige font in Near Letter Quality.
Orator	Prints the Orator font in Near Letter Quality.
Roman	Prints the Roman font in Near Letter Quality.
Script	Prints the Script font in Near Letter Quality.
Sans Serif	Prints the Sans Serif font in Near Letter Quality.
Souvenir	Prints the Souvenir font in Near Letter Quality.
OCR-B	Prints the OCR-B font in Near Letter Quality.
OCR-A	Prints the OCR-A font in Near Letter Quality.

Character pitch key

The printer can print with different characters per inch (character pitch). The actual selected print quality is displayed by its respective LED light.

If you want to change the print quality setting, press the **CHARACTER PITCH** key repeatedly until the desired character pitch is set.



The printer can print with 10, 12, 15, 17.1 or 20 characters per inch. If PROP (proportional spacing) is selected, only the actually required space for the character width is used.

Chapter 4
Paper handling

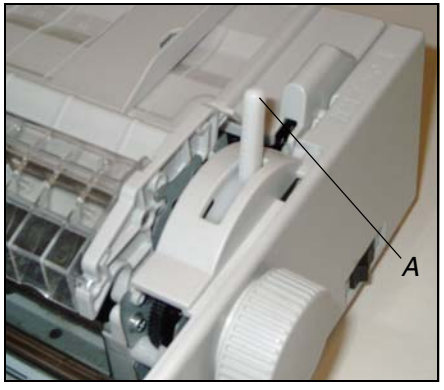
This section describes how to set the paper type, load fanfold paper and single sheets, transport paper and move the paper to the tear position.

Loading paper

Your printer can process both fanfold paper and single sheets. For information on the supported paper sizes, please refer to the section "Paper specifications" on page 31.

Paper select lever

The paper select lever is used to select the paper path.



Move the paper select lever **A** backward for single sheets.

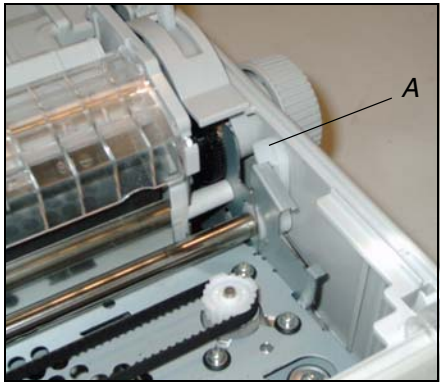
Move the paper select lever forward for continuous sheets.

Print Gap Lever

The printer can handle paper with different thicknesses, including multipart forms with up to five parts (original plus four copies). For details on paper thickness specifications, please refer to the section "Paper specifications" on page 31.

The Print Gap lever, located on the right under the cover, allows you to adjust for different paper thicknesses. Be sure to adjust the Print Gap lever whenever you change the number of copies being printed.

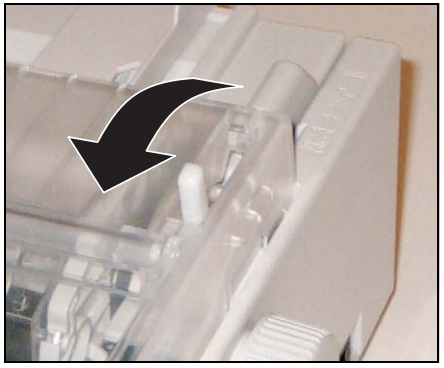
The print gap lever has twelve settings.



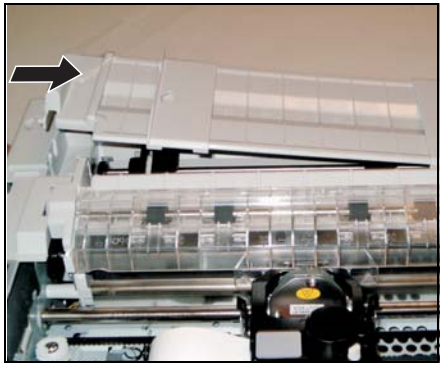
Moving the Print Gap **A** lever to the rear reduces the print gap, moving to the front widens the print gap.

If printing smears, the ribbon misfeeds, or the paper jams, move the lever one position wider.

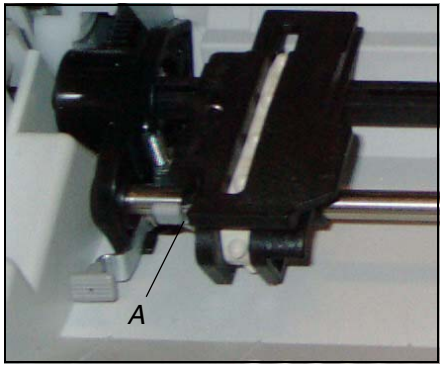
Fanfold paper



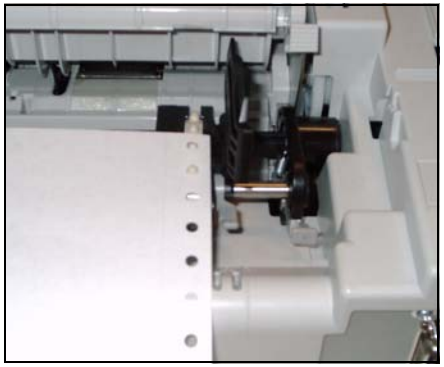
1. Move the paper select lever forward to Continuous Paper position.
2. If necessary, readjust the Print Gap lever for continuous forms (see section “Print Gap Lever” on page 20).



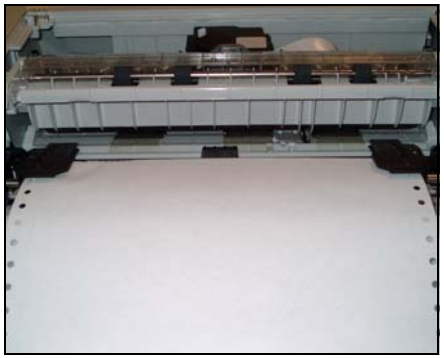
3. Slightly press the single sheet feeder to the right or to the left, until the holding pin comes free from its recess. Remove the feeder.



4. Release the tractor locking levers **A** by pulling them up. Once the right forms tractor is positioned, lock it by pushing down its locking lever.



5. Raise the tractor doors and fit the first two paper feed holes onto the right tractor pins. Close the right tractor door.



6. Repeat the procedure for the left tractor and adjust the left forms tractor to accommodate the width of the form.
7. Move the left tractor to make the paper flat. Do not stretch the paper too taut. Pull the left locking lever up to secure the tractor in place.
8. Reinstall the manual paper feeder.
9. Press the **FF/LOAD** key to advance the paper to the top-of-form position from which printing can start. The printer is automatically placed in the Online State.

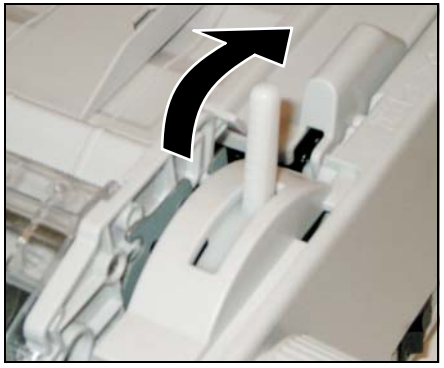
Unloading Continuous Forms

To unload continuous forms:

1. Make sure that the Paper Select lever is set to the continuous forms position.
2. Press the **PARK** key. The continuous forms paper is retracted to the park position. If the paper cannot be retracted in one operation, continue to press the **PARK** key until the paper is parked.

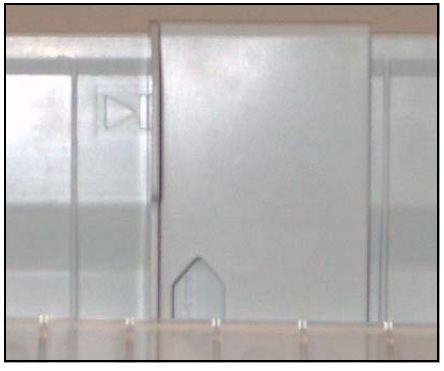
The printer can retract continuous forms-paper by a recommended maximum of 25.4 cm (11 inches) per operation. (???)

Single sheets



1. Move the paper select lever backward to Single Sheet position.
2. If necessary, readjust the Print Gap lever for continuous forms (see section "Print Gap Lever" on page 20).
3. Make sure that the printer is turned on.

4. Raise the single sheet feeder until it locks into its mounting.



5. Align the left paper guide with the mark on the left of the single sheet feeder. Adjust the right paper guide to the width of the paper used.

6. Insert a sheet of paper. Make sure that the bottom edge of the paper engages snugly with the platen. The paper will automatically advance to the top-of-form position if the Single Sheet Load option of the Setup mode is set to Automatic.

The factory setting for the Single Sheet Load option is automatic loading after paper detection. If you set this option to manual, you will have to press ***FF/LOAD*** *to feed the paper.*

Ejecting Single Sheets

If you print using software which inserts a form feed at the end of each page, each sheet is ejected automatically upon the completion of the page printing.

To manually eject sheets of paper: Press the **FF/LOAD** key to execute a forward form feed.

Paper Parking Function

Switching from fanfold paper to single sheets

When using fanfold paper (push tractor), single sheets can be inserted without removing paper from the tractor feeder.

The fanfold paper can be moved to the parking position by the switches on the operation panel. Switching to friction feed after doing this allows printing on single sheets with the fanfold paper in the tractor feeder left as it is.

To switch from fanfold paper to single sheet mode proceed as follows:

1. Tear off printed paper at its perforation, if necessary.
2. Press the **PARK** key. The fanfold paper is transported backward to the park position.
3. Move the paper select lever backward to Single Sheet position.
4. If necessary, readjust the Print Gap lever for continuous forms (see section "Print Gap Lever" on page 20).
5. Raise the single sheet feeder until it locks in its mounting.
6. Align the left paper guide with the mark on the left of the single sheet feeder. Adjust the right paper guide to the width of thepaper used.
7. Insert a sheet of paper. Make sure that the bottom edge of the paper engages snugly with the platen. The paper will automatically advance to the top-of-form position if the Single Sheet Load option of the Setup mode is set to Automatic.

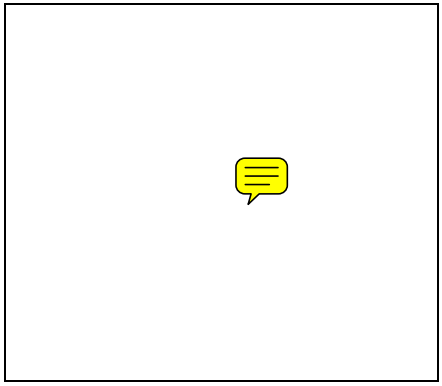
Switching from single sheets to fanfold paper

To switch from single sheet mode to tractor mode, proceed as follows:

1. If a single sheet is loaded, press the **FF/LOAD** key. The sheet is ejeceted.
2. Move the paper select lever backward to Continuous Paper position.
3. Press the **FF/LOAD** key again. The printer feeds the fanfold paper to the top of form position.

Setting the first printing line (TOF)

You can use the TOF function for setting the vertical position of the first printing line.



A coloured line on the transparent paper protective cover of the printhead can be helpful if you want to adjust the first printing line.

To adjust the first printing line vertically, proceed as follows:

1. Either transport fanfold paper to the next top of form position or feed an inserted single sheet by pressing the **FF/LOAD** key.
2. Make sure that the printer is in offline mode; press the **SEL** key, if necessary.
3. Hold the **SHIFT** key depressed and use the **Micro Feed Down** or **Micro Feed Up** keys to adjust the desired first printing line.
   Each micro feed will feed the paper down or up in 1/180 inch increments.
4. After releasing the key, the new adjusted first printing line is saved.

Printing out a status page

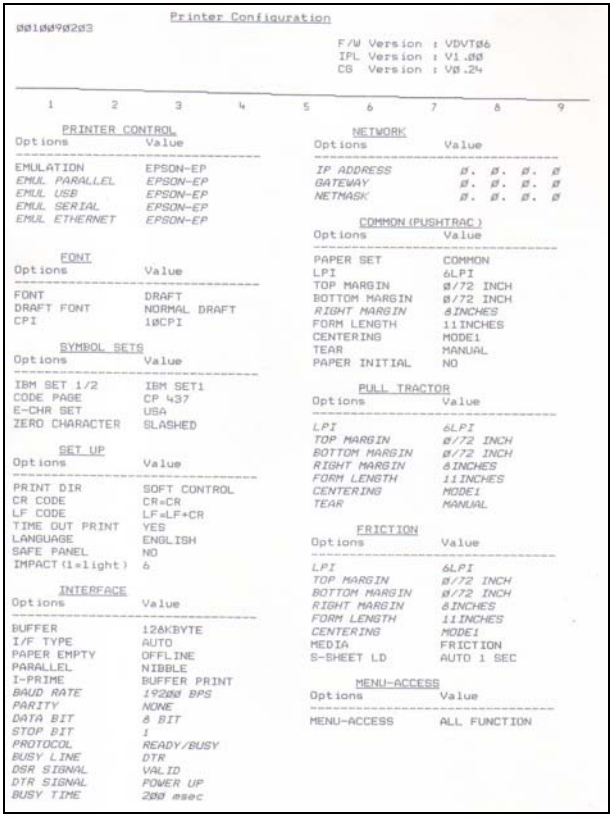
The printer has a function that allows you to printout the current parameter settings.

Proceed as follows, to printout the status page.

1. Make sure that paper is loaded (fanfold paper or single sheet).
2. Switch off the printer.
3. Hold depressed the **PARK** key and switch on the printer.

The status page is printed automatically.

Example of a status page



Printer Configuration

ØØ1ØØ9Ø2Ø3

F/W Version : VDVTØ6
IPL Version : V1.ØØ
CG Version : VØ.24

1 2 3 4 5 6 7 8 9

PRINTER CONTROL

Options	Value
EMULATION	EPSON-EP
EMUL PARALLEL	EPSON-EP
EMUL USB	EPSON-EP
EMUL SERIAL	EPSON-EP
EMUL ETHERNET	EPSON-EP

FONT

Options	Value
FONT	DRAFT
DRAFT FONT	NORMAL DRAFT
CPI	10CPI

SYMBOL SETS

Options	Value
IBM SET 1/2	IBM SET1
CODE PAGE	CP 437
E-CHR SET	USA
ZERO CHARACTER	SLASHED

SET UP

Options	Value
PRINT DIR	SOFT CONTROL
CR CODE	CR=CR
LF CODE	LF=LF+CR
TIME OUT PRINT	YES
LANGUAGE	ENGLISH
SAFE PANEL	NO
IMPACT (1=light)	6

INTERFACE

Options	Value
BUFFER	128KBYTE
I/F TYPE	AUTO
PAPER EMPTY	OFFLINE
PARALLEL	NIBBLE
I-PRIME	BUFFER PRINT
BAUD RATE	19200 BPS
PARITY	NONE
DATA BIT	8 BIT
STOP BIT	1
PROTOCOL	READY/BUSY
BUSY LINE	DTR
DSR SIGNAL	VALID
DTR SIGNAL	POWER UP
BUSY TIME	200 msec

NETWORK

Options	Value
IP ADDRESS	Ø. Ø. Ø. Ø
GATEWAY	Ø. Ø. Ø. Ø
NETMASK	Ø. Ø. Ø. Ø

COMMON (PUSHTRAC)

Options	Value
PAPER SET	COMMON
LPI	6LPI
TOP MARGIN	Ø/72 INCH
BOTTOM MARGIN	Ø/72 INCH
RIGHT MARGIN	8INCHES
FORM LENGTH	11INCHES
CENTERING	MODE1
TEAR	MANUAL
PAPER INITIAL	NO

PULL TRACTOR

Options	Value
LPI	6LPI
TOP MARGIN	Ø/72 INCH
BOTTOM MARGIN	Ø/72 INCH
RIGHT MARGIN	8INCHES
FORM LENGTH	11INCHES
CENTERING	MODE1
TEAR	MANUAL

FRICTION

Options	Value
LPI	6LPI
TOP MARGIN	Ø/72 INCH
BOTTOM MARGIN	Ø/72 INCH
RIGHT MARGIN	8INCHES
FORM LENGTH	11INCHES
CENTERING	MODE1
MEDIA	FRICTION
S-SHEET LD	AUTO 1 SEC

MENU-ACCESS

Options	Value
MENU-ACCESS	ALL FUNCTION

Chapter 5
Specifications

Printer specifications

	Narrow model	Wide model
Printing method	2440/9 9-pin Dot matrix impact printer 2440/24 24-pin Dot matrix impact printer	2540/9 9-pin Dot matrix impact printer 2540/24 24-pin Dot matrix impact printer
Character pitch	10, 12, 15, 16.6, 17.1, 20 characters/inch and proportional type (emulation-dependent)	
Print width	80 characters/line at 10 cpi 96 characters/line at 12 cpi 137 characters/line at 17.1 cpi	136 characters/line at 10 cpi 163 characters/line at 12 cpi 233 characters/line at 17.1 cpi
Print speed	400 characters/line at 12 cpi, Draft	480 characters/line at 12 cpi, Draft
Line spacing	1, 2, 3, 4, 5, 6, 8, 12 lines/inch	
Resolution	Up to 144 vertical ×240 horizontal dots per square inch	
Interface	Parallel IEEE-1284 bidirectional Centronics, USB 2.0 Full Speed (12 Mbps) or Ethernet, Serial RS-232C	
Throughput (ECMA 132)	??? pages/hour ?? pages/minute	??? pages/hour ?? pages/minute
Emulations	IBM (Native / Proprinter III) , Epson , DEC, MTPL and OKI	
Power supply	U.S.A./Canada 120 V ±10%, 60 Hz ±2%, Europe 230 V ±10%, 50/60 Hz ±2%	

	Narrow model	Wide model
Power consumption	at 100% throughput ?? VA when idling ?? VA	at 100% throughput ?? VA when idling ?? VA
Sound output level L_{WAd}	?? dB in operation	?? dB in operation
Sound pressure level L_{pAm}	?? dB in operation	?? dB in operation
Dimensions	398 (W) x 330 (D) x135 (H) mm	541 (W) x 330 (D) x135 (H) mm
Weight	TBD kg	TBD kg
Approvals	UL 1950 (with deviation 3) Listed, CSA C22.2 NO.950 (with deviation 3) Certified, FCC Class B (J subpart of 15) Certified, CE marking, EMC Immunity: IEC61000-4-2 level3, Energy Star	UL 1950 (with deviation 3) Listed, CSA C22.2 NO.950 (with deviation 3) Certified, FCC Class B (J subpart of 15) Certified, TUV (EN60950) Certified, CE marking, SEMKO, EMC Immunity: IEC61000-4-2 level3, Energy Star

For more information on printer specifications as well as interface specifications, refer to the User Guide on the Online CD-ROM.

Paper specifications

Only use paper that corresponds to the paper specifications and test new sorts of paper before use.

Paper type		Narrow model	Wide model
Continuous Forms	Width Length No. of copies Form thickness (max.)	102–267 mm (4–10.5 in) 102 mm (4 in) or greater 1 to 5 0.35 mm (0.014 in)	102–381 mm (4–15.0 in) 102 mm (4 in) or greater 1 to 5 0.35 mm (0.014 in)
Single Sheets	Width Length Thickness	102–267 mm (4–10.5 in) 76–364 mm (3 – 14.3 in) 0.35 mm (0.014 in)	102–381 mm (4–15.0 in) 76–364 mm (3 – 14.3 in) 0.35 mm (0.014 in)
Roll Paper (Option)	TBD	TBD	TBD

For more information on paper specifications, refer to the User Guide on the Online CD-ROM.

Consumables and accessories

Consumables

Only use ribbon cassettes from the manufacturer as products from other manufacturers may damage the print head or the ribbon drive.

Consumables	Order no.
Ribbon Cartridge, Monochrome	043446
TBD	TBD

Accessories

TBD

For more options, refer to the User Guide on the Online CD-ROM.

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