

Paxar Monarch 9640 Series

Operators Handbook

9640



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Paxar Monarch 9640 Series

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1 *General Introduction*

This is a low cost high performance thermal transfer/direct label printer.

Your printer features:

- Auto Peel-mode for easy label applying, with an on-demand sensor so it only prints when you're ready for the next label.
- Maximum data handling capability provided by Monarch's innovative printer control language.
- A free software package that actually lets you create and print labels. It allows the creation of labels with barcodes, text, lines, boxes and graphics by the European leader in label design software Teklynx Codesoft.
- Windows drivers are included which enable the user to use any application software to create a label of their own.
- Serial and parallel communication ports as standard.
- 203 or 300dpi resolution available

It comes complete with the following items:

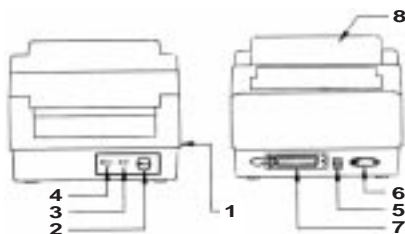
- Printer
- Power adapter
- Discs containing windows drivers and label software
- Users manual
- Ribbon sample
- Sample label roll
- Media spindle (with paper guide)

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Operating instructions

Table 1 shows the functions of the various printer switches, indicators and connections.

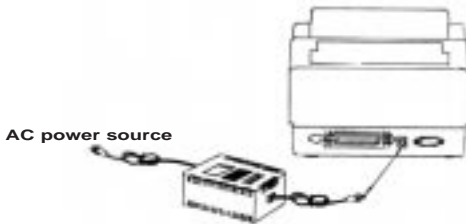
No	Device name	Function	Usage
1	On/Off switch (power switch)	Controls printer power	On - normal operation Off - loading paper and ribbon
2	FEED button	Advances the media stock to first printing position of next label	Press - to advance a label Press and hold while turning on power to print out the self test pattern Press - to continue printing when READY LED is blinking Press - to resume printing
3	READY indicator	Shows the printer status	Green - printer is ready to operate Blinking - printer is paused; press "FEED" button to continue operation
4	POWER indicator	Shows the power and error status	Off - printer power off Green - printer power on Blinking - error has occurred
5	Power jack	Connected to power adapter	Connected with power supply transformer plug
6	RS232 serial port	Communication	Connected to host (either 9 or 25 pin RS232 COM port), terminal or KDU
7	Parallel port	Communication	Connected to host (Centronics)
8	Top cover	Protects the printer media and ribbon	Lift and reach the media/ribbon compartment



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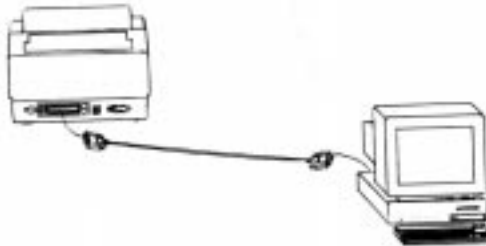
2 *Connecting the Power Cord*

1. Leave the power switch at the "O" position.
2. Connect the power supply plug to the power jack and the other end to your AC source.
3. To switch on press on/off switch to "1" position.



3 *Connecting the Printer to Your Host*

1. You can connect the printer with any standard Centronics cable to the parallel port of the host computer.
2. Alternatively you can connect the printer with a serial cable to the RS232C port of your computer or terminal. (for PC compatibles, the RS232C port is COM1, COM2 or COM3)



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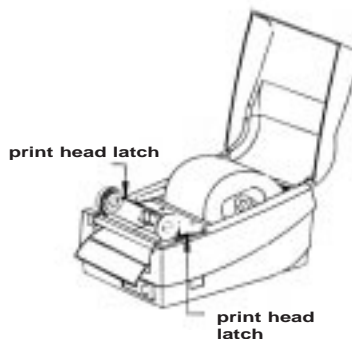
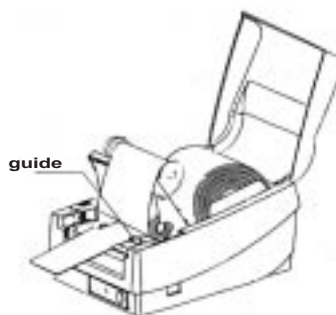
4 *How to load the printer*

(a) Loading Label or Card Stock

The labels can be loaded internally or mounted externally on the optional external supply holder.

(b) Loading Stock

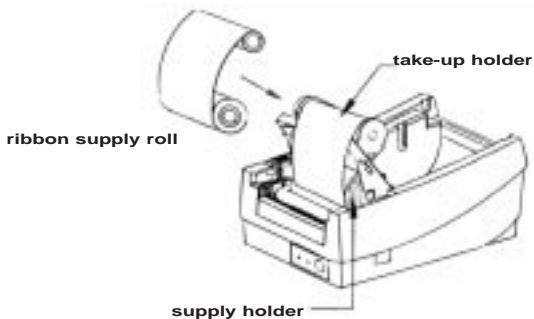
1. Lift the printer top cover and keep it in the open position.
2. Slide the two print head latches toward the rear and unlock the print head module.
3. Raise the print head module.
4. Fit the label supply holder through the 1" (25mm)-label core of your labels. The guide should be fitted on the right side of the labels.
5. Make sure there is no exposed adhesive from un-backed labels before attempting to load the printer.
6. Feed the labels through the printer until they are beyond the print head.
7. Set the label roll into the internal roll holder.
8. The printer has an internal label guide to aid the easy path of the label through the printer. Adjust this to the correct width of your supply.
9. Press the print head module down firmly until it snaps into place on both sides.
10. Close the top cover.



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(c) Loading the Ribbon

1. Lift the printer top cover and keep it in the open position.
2. Release the print head module and raise it to the vertical position.
3. Unwrap the ribbon roll.
4. Place the supply roll into the supply holder of the print head module with the notch on the left-hand side as shown in the diagram. The spindle is on a spring and will allow for easy fitting of the ribbon.
5. Fit the take up core into the spindle inserting the left-hand side first.
6. Release the leader end of the ribbon and attach it squarely to the upper spindle (this is the take-up core).
7. Take up any slack in the ribbon by rotating the white cog on the left-hand side of the printer.
8. Press the print head module down firmly until it snaps into place on both sides.
9. Close the top cover.



Note: This procedure is not necessary when direct thermal media is used.

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5 *Printer Driver Installation*

Drivers are available for Window 3.1, 95, 98 and Windows NT V3.51/ 4.0. Insert printer driver disk into the floppy disk drive.

For Windows 95/NT4.0...

- Click **'Start'**
- Select **'Settings'**
- Select **'Printers'**
- Double click **Add Printer** icon
- Click **'Next'** button
- Specify **Network** or **Local** printer (normally Local)
- Click **'Next'** button
- Click **'Have Disk'** button
- Enter floppy drive and operating system **A:Win95**
- Click **'OK'** button
- Select Printer **Label Dr 200** for 9642 or select Printer **Label Dr 300** for 9643
- Click **'Next'** button
- Select communication port. For parallel port this is normally 'LPT1': 'LPT2': or 'LPT3:'
- If you are unsure try **LPT1:**
- For serial port this is normally **COM1:** or **COM2:**

■ **Parameter Settings:**

To change parameter settings:

- Click **'Start' 'Settings' 'Printers'**
- Double click **'Label Dr'** icon
- Click **'Printer'**
- Click **'Properties'**

After entering the Properties you can change the following parameters:

■ **Details**

Printer port, Printer driver

■ **Paper**

Paper Source (Stock Type), Media Choice (Contrast Setting), More Options -Enable the optional Cutter or Peeler

■ **Device Options**

Print Speed (max. 2 or 3 ips dependent upon model)

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6 *Installation of Speedy Label Software*

(a) **Installation with CD ROM**

You must have **Windows** version 3.1 or higher running on your computer before you can install the software.

- When **Windows** is installed, insert the CD-ROM in the specific drive. The Installation menu dialog window now appears.
- From the **Product** area, select the software to install. On the bottom, the **Product information** area gives you some information regarding the selected product.
- From the **Language** area, select the language for the interface software with the on-line help or the manual.
- To install software, click on the **Install** button then follow the instructions provided on screen.
- To get the software manual, click on the **Manual** button.

(b) **Installation with diskette.**

You must have **Windows** version 3.1 or higher running on your computer before you can install this software.

- When **Windows** is installed, insert the no 1 software installation diskette into the A drive.
- For **Windows** version 3.1, select the **File** menu from the **Windows Program Manager**. Then click the RUN command,
- For **Windows** version **WIN95**, select the **RUN** command from the **START** menu. The **RUN** dialog window will open.
- In the command zone, enter: "**A: Install**".
- Follow instruction provided on the screen.

(c) **Selecting the correct printer port**

The printer has two communication ports, Serial RS232 (COM) which has 9 pin socket or a Parallel (LPT) 36 pin socket. Connect the communications cable provided to the printer and to the computer. This is normally a parallel cable. Select LPT1 as the communication port and click OK.

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7 *Troubleshooting*

The Paxar Monarch 9640 uses two LED's to relay messages to the user. Below is a chart of what the combination of LED's

LED Indication	Conditions
POWER and READY LED's both ON	9640 is ready for printing
POWER and READY LED's both flash in same phase	One of the following conditions may occur: <ul style="list-style-type: none"> ● Out of label ● Label gap detection problem ● Label stuck or jammed ● Paper sensor problem
POWER and READY LED's both flash in reverse phase	One of the following conditions may occur: <ul style="list-style-type: none"> ● Out of ribbon ● Ribbon stuck or jammed ● Ribbon sensor problem
POWER LED flashes	One of the following conditions may occur: <ul style="list-style-type: none"> ● Power voltage is too high ● TPH temperature is too high ● Memory overflow ● Main board failure
POWER and READY LED's both OFF	One of the following conditions may occur: <ul style="list-style-type: none"> ● Power supply switched off or not connected ● Power adapter fuse is broken ● Main board failure ● LED Display board failure

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8 Maintenance

Clean the following components after 8 rolls of stock.

In each case use a cotton bud dampened with alcohol. Do not soak the cotton bud excessively.

ALWAYS SWITCH OFF THE MAINS POWER BEFORE CLEANING!

(a) Thermal Print Head

Thermal paper stock and ribbon will release debris on the print head and degrade printing quality. Clean the print head with methanol or isopropyl alcohol with a cotton bud. Do not touch the heater element with your fingers.

Thermal Print Head Replacement

1. Switch the power off and wait for both LED's to go off.
2. Open the print head assembly.
3. Remove the ribbon.
4. Push the print head firmly into the casing and shift it to the left. It will release from the module.
5. Disconnect the print head cable.
6. Release the screw holding the print head and metal plate together.
7. Replace with new print head in reverse order.
Be careful not to touch the print head elements.

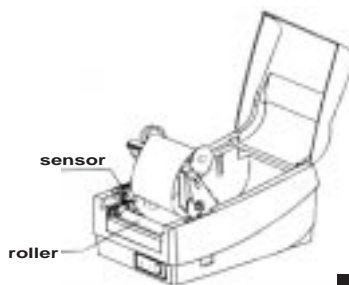


(b) Platen Roller

Debris or dirt on the roller should be cleaned with alcohol.

(c) Paper Sensor

Debris or dirt on the paper sensor will cause a miss-read or unstable detection of the label gap. Clean with a cotton bud dampened with alcohol.



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9 *Printer Specifications*

Print Method:	Thermal Transfer or Thermal Direct
Resolution:	203 (8dots/mm) or 300dpi (11dots/mm)
Maximum Print Area:	4" (101.6mm) x 29"(736mm)
Maximum Print Speed:	3" (75mm) per second 203dpi, 2" (50.8mm) per second 300dpi
Memory:	512K ROM 2 M DRAM optional on MPCL version
Maximum Roll Diameter:	4" (101.6mm)
Media Type:	Thermal Direct: Paper or Vinyl, visible light and infra-red scannable label, tag stock, die cut or butt cut Thermal Transfer: All above media plus thermal transfer paper or vinyl labels and tags stock, die cut or butt cut, various adhesives, care tape
Media Indexing:	Black Mark • Die Cut • Continuous
Feed Mode:	Continuous • On-demand
Interfaces:	Serial Port 9 pin male 1200-38400bps Xon/Xoff DSR/DTR Parallel Centronics
Approvals:	CE, FFC class B,UL and CUL approved
Electrical:	Input 19VAC 50/60 Hz
Weight:	1.9Kg
Size:	W 7.3" x D 10.9"x H 6.0" (W 186 x D 278 x H 153mm)
Operating Environment:	40°F - 100°F (4°C - 38°C)
Printer Drivers	Windows 3.1 Windows 95 Windows 98 Windows NT
Power Adapter Specification	
Input Voltage:	230V: 200-260VAC, 50Hz 110V: 95-135VAC, 60Hz
Output Power:	AC 19V +- 5%, 4 Amperes (input voltage=230V/120V)
Operating Environment:	32°F-104°F (0°C-40°C)