User’s Manual

DuraLabel 4000

Rev. A, 03.2010
FCC COMPLIANCE STATEMENT
FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a CLASS A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

CAUTION
Danger of explosion if battery is incorrectly replaced
Replace only with the equivalent type recommended by the manufacture.
Dispose of used batteries according to the manufacturer’s instructions.

Only use with power supply adapter model: WDS060240

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

Specifications are subject to change without notice.
Safety Instructions

Please read the following instructions seriously.

1. Keep the equipment away from humidity.

2. Before you connect the equipment to the power outlet, please check the voltage of the power source.

3. Disconnect the equipment from the voltage of the power source to prevent possible transient over voltage damage.

4. Don’t pour any liquid to the equipment to avoid electrical shock.

5. ONLY qualified service personnel for safety reason should open equipment.

6. Don’t repair or adjust energized equipment alone under any circumstances. Someone capable of providing first aid must always be present for your safety.

7. Always obtain first aid or medical attention immediately after an injury. Never neglect an injury, no matter how slight it seems.
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1. Barcode Printer

1-1. Printer Accessories
After unpacking, please check the accessories that come with the package, and store appropriately.

- Barcode printer
- Power cord
- Switching Power
- USB Cable
- Empty Ribbon Roll
- Label Roll Core
- Label Stop Plate
- Quick Start Guide
- CD (includes Windows Driver and Manuals)

1-2. General Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DuraLabel 4000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Method</td>
<td>Thermal Transfer / Direct Thermal</td>
</tr>
<tr>
<td>Resolution</td>
<td>203 dpi (8 dot/mm)</td>
</tr>
<tr>
<td>Print Speed</td>
<td>2 IPS (50 mm/s)</td>
</tr>
<tr>
<td>Print Width</td>
<td>4.25&quot; (108 mm)</td>
</tr>
<tr>
<td>Print Length</td>
<td>Min. 1.18&quot; (30 mm); Max. 68&quot; (1727 mm)</td>
</tr>
<tr>
<td>Memory</td>
<td>4MB Flash (2MB for user storage) ; 8MB SDRAM</td>
</tr>
<tr>
<td>Sensor Type</td>
<td>Fixed transmissive sensor and reflective sensor.</td>
</tr>
<tr>
<td>Media</td>
<td>Types: Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming Width: 1&quot; (25.4 mm) Min. - 4.64&quot; (118 mm) Max. Thickness: 0.003&quot; (0.06 mm) Min. - 0.01&quot; (0.25 mm) Max. Label roll diameter: Max. 5&quot; (127 mm) Core diameter: 1&quot;, 1.5&quot; (25.4 mm, 38.1 mm)</td>
</tr>
<tr>
<td>Ribbon</td>
<td>Types: Wax, wax/resin, resin Length: 360' (110 m) Width: 1.18&quot; Min - 4.33&quot; (30 mm - 110 mm) Max Ribbon roll diameter.: 1.57&quot; (40 mm) Core diameter: 0.5&quot; (12.7 mm)</td>
</tr>
<tr>
<td>Printer Language</td>
<td>EZPL</td>
</tr>
<tr>
<td>Software</td>
<td>Driver &amp; DLL: Windows 2000, XP and Vista</td>
</tr>
<tr>
<td>Resident Fonts</td>
<td>Bitmap fonts: 6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A &amp; B Bitmap fonts 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable Bitmap fonts 8 times expandable in horizontal and vertical directions Scalable fonts 90°, 180°, 270° rotatable</td>
</tr>
<tr>
<td>Download Fonts</td>
<td>Bitmap fonts 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable Asian fonts 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions Scalable fonts 90°, 180°, 270° rotatable</td>
</tr>
<tr>
<td>Barcodes</td>
<td>1-D Bar codes: Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 &amp; 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 &amp; 5), Codabar, Post NET, EAN 128, DUN 14, HIBC, MSI (1 Mod 10), Random Weight, Telepen, FIM, China Postal Code, RPS 128 and GS1 DataBar 2-D Bar codes: PDF417, Datamatrix code, MaxiCode, QR code and Micro QR code</td>
</tr>
</tbody>
</table>
| Code Pages   | CODEPAGE 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737  
|             | WINDOWS 1250, 1251, 1252, 1253, 1254, 1255  
|             | Unicode (UTF8, UTF16)  |
| Graphics    | Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software  |
| Interfaces  | USB port  |
| Control Panel | One Tri-color LED: Power (Green, Orange and Red)  
|             | Control key: FEED  |
| Power       | Auto Switching 100-240VAC, 50-60Hz  |
| Environment | Operation temperature: 41°F to 104°F (5°C to 40°C)  
|             | Storage temperature: -4°F to 122°F (-20°C to 50°C)  |
| Humidity    | Operation: 30-85%, non-condensing.  
|             | Storage: 10-90%, non-condensing.  |
| Agency Approvals | FCC Class A, CB, cUL  |
| Dimension   | Length: 10” (254 mm)  
|             | Height: 6.7” (170 mm)  
|             | Width: 8.8” (224 mm)  |
| Weight      | 5.5 lbs (2.5Kg), excluding consumables  |
| Functionality | RFID Detection (HF 13.56MHz / ISO 15693 standard)  
|             | Standard Manual Guillotine Cutter  |
| Options     | Electronic Guillotine Cutter  |

Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.
1-3. Communication Interface

**USB Interface**
Connector Type: Type B

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUNCTION</td>
<td>VBUS</td>
<td>D-</td>
<td>D+</td>
<td>GND</td>
</tr>
</tbody>
</table>

**Serial Interface (Optional)**
Serial Default: 9600 baud rate, no parity, 8 data bits, 1 stop bit, XON/XOFF protocol
Setting: and RTS/CTS

RS232 HOUSING (9-pin to 9-pin)

<table>
<thead>
<tr>
<th>DB9 SOCKET</th>
<th>DB9 PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td>---</td>
<td>1</td>
</tr>
<tr>
<td>RXD</td>
<td>2</td>
</tr>
<tr>
<td>TXD</td>
<td>3</td>
</tr>
<tr>
<td>DTR</td>
<td>4</td>
</tr>
<tr>
<td>GND</td>
<td>5</td>
</tr>
<tr>
<td>DSR</td>
<td>6</td>
</tr>
<tr>
<td>RTS</td>
<td>7</td>
</tr>
<tr>
<td>CTS</td>
<td>8</td>
</tr>
<tr>
<td>RI</td>
<td>9</td>
</tr>
<tr>
<td>PC</td>
<td></td>
</tr>
</tbody>
</table>

**Note**
The total current output from parallel port and serial port altogether can not exceed 500mA.
### 1-4. Printer Parts

1. **FEED Key and LED Light**
2. **Cover Open Button**
3. **Manual Cutter Module**
4. **Manual Cutting Button**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Top Cover</td>
</tr>
<tr>
<td>2</td>
<td>Label Roll Core</td>
</tr>
<tr>
<td>3</td>
<td>Ribbon Rewind Wheel</td>
</tr>
<tr>
<td>4</td>
<td>Label Roll Stop Plate</td>
</tr>
<tr>
<td>5</td>
<td>Print Mechanism</td>
</tr>
<tr>
<td>6</td>
<td>Ribbon Core Holder (rewind)</td>
</tr>
</tbody>
</table>
1. LED Light
2. Locking Tenon (left/right)
3. Ribbon Observing Window
4. Print Head Pressure Adjustment Screw (left/right)

1. Thermal Print Head
2. Label Guide
3. Platen Roller
4. Print Line Adjustment Gear
5. Ribbon Core Holder (supply)
6. Label Sensor
1. Fan-Fold Label Insert
2. Power Switch
3. Power Socket
4. USB Port
2. Media Installation

DuraLabel 4000 has capability to print in both Thermal Transfer mode and Direct Thermal mode. It also supports RFID tag reading function that can detect the type of label used for printing. To ensure the best quality of printout, please use the designated label for printing.

**[Note]** The printer will stop the printing procedure when a non-designated label has been detected to be used for printing.

The general descriptions of Thermal Transfer mode and Direct Thermal mode are as follows:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Transfer (TT)</td>
<td>When printing, ribbon must be installed to transfer the print contents onto the label.</td>
</tr>
<tr>
<td>Direct Thermal (DT)</td>
<td>When printing, no ribbon is necessary; it only requires direct thermal label.</td>
</tr>
</tbody>
</table>

Please check which print mode you will use and then go into the Setting Mode to change the print mode setting if necessary.

2-1. Label Installation

1. Open the top cover by pressing the Cover Open Buttons on both sides.

2. Place the label roll onto the Label Roll Core and then assemble the Label Stop Plate on both sides.

3. Press the locking tenons and then lift up the Printing Mechanism.
4. Feed the label through the Manual Cutter Module.

5. Align the Label Guides to the edge of label.

   **Note**
   When adjusting the Label Guides, please move both Label Guides together at the same time.

6. Close the Printing Mechanism and the top cover to complete the label installation.

7. Pressing the Manual Cutting Button to cut the label in anytime when you need.
### 2-2. Ribbon Installation

1. Open the top cover by pressing the Cover Open Buttons on both sides.

2. Install the rewind ribbon roll from the right side of printer and then fix it on left side.

3. Press the locking tenons and then lift up the Printing Mechanism.

4. Place a new ribbon roll from the right side of printer and then fix it on left side.

   **Note**
   *Please align the Ribbon Supply Wheel with the fillister of ribbon roll core when installing the ribbon roll. You can rotate the black gear as figure showed to help to align the ribbon roll core.*
5. Feed the ribbon from the Ribbon Supply Shaft.

6. Wrap the ribbon around the Printing Mechanism and stick the ribbon onto the rewind ribbon roll.

7. Rotate the Ribbon Rewind Wheel to make the ribbon tight and smooth.

8. Close the Printing Mechanism and the top cover to complete the installation.
2-3. Switch the Label Roll Core

(A) 1" roll core installation

(B) 1.5" roll core installation
2-4. PC Connection
1. Please make sure the printer is powered off.
2. Plug the power cable into the power socket on the wall, and then connect the other end of the cable to printer's power socket.
3. Connect the cable to the USB port on the printer and on the PC.
4. Turn on the PC and the printer, and then the printer's LED light will shine.

【Note】
Please make sure the power switch is off before plugging the power cable into the printer.
### 2-5. Driver Installation

1. Insert the product CD to your computer's CD Drive and find the "Windows Drives" folder.

2. Select the icon of driver file and click it to start the installation.

3. Follow the instruction on screen to keep the installation going. Then the Driver Wizard utility should run automatically.

4. Select "Install printer drivers".

5. Select printer model.

6. Select connection port.

---

**Windows Drives**

- **Address:** C:\Windows\Drivers
- **CD Writing Tasks:** Write these files to CD
- **File and Folder Tasks:**

**Seagull Driver Wizard**

- Welcome to the Seagull Driver Wizard
- This wizard helps you install and remove printer drivers.

**Specify Printer Model**

- The manufacturer and model determine which printer driver to use.

**Specify Port**

- A port is used to connect a printer to the computer.

- **Type:** Serial Port (9600,N,8,1)
7. Enter the printer name and set printer sharing option.

8. A description page of printer settings will be displayed after all settings are completed.

9. Check if all printer settings are correct and then press Finish to start copying driver files.

10. Wait for file copying finished and complete the installation.

11. After the driver installation is complete, there should be a new printer model on Windows "Printer and Faxes" setting.
3. Printer Setting

3-1. FEED Key
After pressing the FEED key, printer will feed the media (according to media type) to the specified stop position. When printing with continuous media, pressing the FEED key will feed the media out to a certain length. When printing with labels, the printer will feed one label each time the FEED key is pressed. If the label is not sent out in a correct position, please proceed with the Auto Sensing (see next section).

3-2. LED Status
Press and hold the FEED key then power on the printer. Wait for the LED light flashing red and then release the FEED key, the printer will enter into Auto Sensing Mode to do the calibration. A Self-Test page will be printed out automatically after the calibration is completed. Below are the sequence and the description of two modes:

<table>
<thead>
<tr>
<th>LED Light</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Standby Mode</td>
<td>Normal status</td>
</tr>
</tbody>
</table>

Press and hold the FEED Key then power on the printer.

<table>
<thead>
<tr>
<th>LED Light</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red (Flash)</td>
<td>Auto Sensing Mode</td>
<td>Printers are currently in Auto Sensing Mode. The calibration will be performed and a Self-Test page will be printed out to show the configurations of printer. For more detail about Auto Sensing Mode, please refer to next section. For the descriptions of Self-Test page please refer to page 19.</td>
</tr>
</tbody>
</table>

3-3. Auto Sensing
Printer can automatically detect the label and store the result of detecting. By doing this, the printer will calibrate the printing position of the label and the user can do printing without setting the label length. To perform the Auto Sensing, please do as follows:

1. Check if the label is correctly loaded on the printer.
2. Power off the printer, press and hold the FEED key.
3. Power on the printer while still holding the FEED key. Keep holding the FEED key, wait for the LED light turn to flash red and then release the FEED key. Printer will automatically detect the label and record it.
4. A Self-Test page will be printed out after Auto Sensing is completed and the printer goes back to standby mode.
3-4. Self-Test page

The Self-Test page helps user to figure out whether the printer is operating normally. Below are some general descriptions about the content of Self-Test page:

- **Model & Version**: DuraLabel 4000 : VX.XXX
- **Serial port setup**: Serial port :96,N,8,1
- **USB port setting**: int-usb sw setting: ext-USB
- **Test pattern**
- **Number of DRAM installed**: 1 DRAM installed
- **Image buffer size**: Image buffer size : 1500K
- **Number of forms**: 000 FORM(S) IN MEMORY
- **Number of graphics**: 000 GRAPHIC(S) IN MEMORY
- **Number of fonts**: 000 FONT(S) IN MEMORY
- **Number of Asian fonts**: 000 ASIAN FONT(S) IN MEMORY
- **Number of Databases**: 000 DATABASE(S) IN MEMORY
- **Number of Scalable fonts**: 000 TTF(S) IN MEMORY
- **Free memory size**: 2048K BYTES FREE MEMORY
- **Speed, Density, Ref. Point, Print direction**: ^S4 ^H10 ^R000 ~R200
- **Label width, Form length**: ^W10 ^Q48,3
- **Cutter, Stripper, Mode**: Option : ^D0 ^O0 ^AD
- **Sensor Setting**: Reflective Sensor Value: 42_48
- **Voltage**: 1.50 2.30 3.10(1.6_0.8)
- **Code Page**: Code Page: 850

**Note**
For more information about advance settings, such as "Print mode switch", "Sensor switch" or "Dump Mode", please refer to Programmer's manual.
3-5. Error Messages
When an error happened during printing process, different LED light messages will be displayed. Users can diagnose the error situation according to the LED light.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>LED Light</th>
<th>Description</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quickly blinking</td>
<td>Red light</td>
<td>Unable to detect the media.</td>
<td>Please perform the Auto Sensing again.</td>
</tr>
<tr>
<td>Slowly blinking</td>
<td>Orange light</td>
<td>Media Out</td>
<td>Replace with new label roll or ribbon roll.</td>
</tr>
<tr>
<td>Steady</td>
<td></td>
<td>Media Jam</td>
<td>Possible causes: card tags or paper fall into the gap behind the platen roller, can’t find label gap/black mark, black mark paper out or ribbon out. Please adjust it according to actual usage.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print Mode Error</td>
<td>Ribbon is not installed when in Thermal Transfer mode. 1. Please install the ribbon if you want to print in Thermal Transfer mode. 2. Or change the print mode to Direct Thermal mode and print with Direct Thermal media.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Door Open</td>
<td>Printing Mechanism is not firmly closed. Re-open the Printing Mechanism and make sure it closes tightly.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Memory Error</td>
<td>Memory is full; printer will print out “Memory full.” Delete unnecessary data in the memory.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Can’t find the file; printer will print out “Filename cannot be found.” Use “~X4” command to print out all the files, and then check whether the file exist and the file name is correct.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>File name is duplicated; printer will print out “Filename is repeated.” Change the file name and download again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print head Error</td>
<td>The temperature of print head is too high. Wait for the print head temperature drops to the normal temperature range, and then printer will go back to the standby mode and the LED light will stop flashing.</td>
</tr>
</tbody>
</table>
### 4. Electronic Guillotine Cutter Installation

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electronic Guillotine Cutter Module</td>
</tr>
<tr>
<td>2</td>
<td>Module Screw (TAP 3*8) x 2pcs</td>
</tr>
</tbody>
</table>

【Note1】
Please power off the printer before installing the cutter module.

【Note2】
The label / paper that used for cutting is suggested to be at least 30mm in height.

1. Open the top cover by pressing the Cover Open Buttons on both sides.

2. Loosen and then lift the printing mechanism up by pressing the Locking Tenons.


4. Unplug the sensor connector of Manual Cutter Module and then remove the module.
5. Flip the Electronic Guillotine Cutter Module downward.

6. Plug the connector of Cutter Connection Wire into the socket on the printer.

   **Note**
   Before plugging the connector into socket, please check the pin first.

7. Place the cutter module into the printer from left side of the module first, and then fit it to the right side.

8. Tighten the Module Screws and then flip the cutter module upward.

9. Close the Printing Mechanism and the top cover to complete the installation.

   **Note**
   It is not suggested to use label-inside paper when printing with cutter module.
5. Maintenance and Adjustment

5-1. Thermal Print Head Cleaning

Unclear printouts may be caused by dusty print head, ribbon stain or label liner glue. Therefore when printing, it’s necessary to keep the top cover closed. Also, check and prevent paper/label from being stained or dusty to ensure print quality and to prolong the print head life. Print head cleaning instructions are as follows:

1. Power-off the printer.
2. Open the top cover.
3. Take out the ribbon.
4. Open the print head by pressing the locking tenons.
5. If on the print head (see blue arrow) there’s label pieces or other stain, please use a soft cloth with industrial use alcohol to wipe away the stain.

【Note1】
Weekly cleaning on the print head is recommended.

【Note2】
When cleaning the print head with soft cloth, make sure there is no any metal or hard particles attached on it.

5-2. Thermal Print Head Balance Adjustment

When printing with different label materials or using different ribbon types, unbalanced print quality may occur due to the media material differences, thus it’s necessary to adjust the Thermal Print Head pressure.

1. Open the top cover.
2. Take out the ribbon.
3. Turn the print head adjustment screws slightly by screwdriver to increase (turn to “+”) or decrease (turn to “-”) print head pressure.

【Note】
Please turn the adjustment screws carefully since it may cause worse printing quality or damage on printer.
5-3. Print Line Adjustment

To get better printing balance and quality, use print head adjusting gear to adjust the contacting surface between print head and label.

1. When turning print head adjusting gear counter-clockwise (as arrow 1 shows), print line would move in the direction where arrow A shows.

2. When turning print head adjusting gear clockwise (as arrow 2 shows), print line would move in the direction where arrow B shows.

5-4. Clean the Manual Cutter Module

1. Unscrew the screws on both sides of the cutter module.

   【Note】
   Please power off the printer before cleaning the cutter module.

2. Unplug the Sensor Connector.

3. Unscrew the Cutter Cover Screw from the bottom of the module.
4. Remove the cover by the direction shown in figure.

5. Use the cotton swab and alcohol to wipe both upper and lower blades.

6. After cleaning the back sides of blades, press down and hold the cutter as shown in figure.

7. Turn the cutter and clean the blade with cotton swab and alcohol from other side.

8. Reassemble the cutter module after cleaning is completed.
### 5-5. Clean the Electronic Guillotine Cutter

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1.   | Unscrew the screws on both sides of the cutter module.  

**Note**  
Please power off the printer before cleaning the cutter module. |
| 2.   | Unplug the Connector of Cutter Connection Wire. |
| 3.   | Unscrew the cover screws on both sides of module. |
| 4.   | Remove the front cover as shown in figure. |
| 5.   | Before doing the cleaning, you can use screw driver to adjust the blades upward or downward if needed. |
6. Turn the screw driver clockwise, the blade will move downward; turn the screw driver counter-clockwise, the blade will move upward.

7. Clean the blade with cotton swab and alcohol.

8. Reassemble the cutter module after cleaning is completed.
### 5-6. Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Recommended Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power on the printer, but the LED does not light up</td>
<td>♦ Check the power connector</td>
</tr>
<tr>
<td>LED light turns red (power/status) after printing stops</td>
<td>♦ Check for software setting or program command errors  ♦ Replace with suitable label or ribbon  ♦ Check if label or ribbon is all out  ♦ Check if label is jammed/tangled up  ♦ Check if mechanism is not closed (Thermal Print Head not positioned correctly)  ♦ Check if sensor is blocked by paper/label</td>
</tr>
<tr>
<td>Printing started, but nothing was printed on the label</td>
<td>♦ Check if label is placed upside down or if label is not suitable for the application  ♦ Select the correct printer driver  ♦ Select the correct label and print type</td>
</tr>
<tr>
<td>When printing, label is jammed/tangled up</td>
<td>♦ Clean the label jam, and if label is stuck on Thermal Print Head, please remove it by using soft cloth with alcohol.</td>
</tr>
<tr>
<td>When printing, only part of the contents were printed</td>
<td>♦ Check if label or ribbon is stuck on the Thermal Print Head  ♦ Check if application software has errors  ♦ Check if start position setting has errors  ♦ Check if ribbon has wrinkles  ♦ Check if ribbon supply shaft is creating friction with the platen roller. If the platen roller needs to be replaced, please contact your reseller for more information  ♦ Check if power supply is correct</td>
</tr>
<tr>
<td>When printing, part of the label wasn’t printed completely</td>
<td>♦ Check if Thermal Print Head is stained or dusted  ♦ Use internal command “~T” to check Thermal Print Head can print completely  ♦ Check the media quality</td>
</tr>
<tr>
<td>Printout not in desired position</td>
<td>♦ Check if sensor is covered by paper or dust  ♦ Check if liner is suitable for use, please contact reseller for more information  ♦ Check if label roll edge is aligned with Label Width Guide</td>
</tr>
<tr>
<td>When printing, page skipping occurs</td>
<td>♦ Check if error occurs on label height setting  ♦ Check if the sensor is covered by dust</td>
</tr>
<tr>
<td>Unclear printout</td>
<td>♦ Check print darkness setting  ♦ Check if Thermal Print Head is covered with glue or stain</td>
</tr>
<tr>
<td>When using cutter, label couldn’t feed or abnormal cutting occurs</td>
<td>♦ Check if cutter is installed properly  ♦ Check if Paper Feed Rods are sticky</td>
</tr>
</tbody>
</table>

**Note**

Your dealer is knowledgeable about printers, printing software, and your unique system. Please contact your local dealer for further technical support.