DuraLabel 7000

═══ User's Guide ═══

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Please contact us for all your labeling needs. From standardized to custom labels, we're ready to provide the labeling supplies you need. Call 1-800-788-5572 today to get your labeling problems solved.

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1. PRODUCT INTRODUCTION

Thank you for purchasing the Graphic Products, Inc., DURALABEL 7000 Thermal Transfer Printer. This compact desktop printer delivers superior performance at an economical price. Both powerful and simple to operate, the DURALABEL 7000 is your best choice in desktop label printing.

1.1 Compliances

CE, FCC, UL, CUL, TÜV-GS, CNS

1.2 Warranty Information

Graphic Products, Inc., warrants to the customer that under normal use and service the printer (with the exception of the print head) purchased hereunder shall be free from defects in material and workmanship for a period of one year, from the date of shipment by Graphic Products, Inc.

Expendable items or parts such as labels and ribbons are not covered by this warranty. This warranty does not cover equipment or parts that have been misused, altered, neglected, carelessly handled, or used for purposes other than those for which the printer was manufactured. This warranty also does not cover loss, damages resulting from accident, or damages resulting from unauthorized service.

1.2.1 Thermal Print Head

The warranty of the thermal print head is limited to nine months from the date of shipment to buyer. The warranty does not cover thermal print heads which have been misused, altered, neglected, handled carelessly, or damaged due to improper cleaning or unauthorized repairs.

1.2.2 Warranty Service Procedures

If defects should occur during the warranty period, the defective unit shall be returned, freight and insurance prepaid, in the original shipping container to Graphic Products, Inc. Include a contact name, action desired, and a description of the problem and examples when possible. Graphic Products, Inc. shall not be responsible for any loss or damages incurred during shipping. Any warranty repairs to be performed by Graphic Products, Inc., shall be subject to said company's confirmation that the product meets warranty guidelines in the event of a defect covered by its warranty.

1.2.3 General Warranty Provisions

Graphic Products, Inc., makes no warranty as to the design, capability, capacity, or suitability of any of its hardware, supplies or software. Software is licensed on an "as is" basis without warranty.

Except and to the extent expressly provided in this warranty and in lieu of all other warranties, expressed or implied, including, but not limited to any warranties of merchantability or fitness for a particular product, purchaser shall be solely responsible for the selection, use, efficiency and suitability of Graphic Products' products.

1.2.4 Limitation of Liability

In no event shall Graphic Products, Inc., be liable to purchaser for any indirect, special, or consequential damages or lost profits arising out of or relating to Graphic Products' products, or of the performance or a breach thereof, even if Graphic Products, Inc., has been advised of the possibility thereof. Graphic Products' liability, if any, to the purchaser or to the customers of purchaser hereunder shall in no event exceed the total amounts paid to Graphic Products hereunder by the purchaser for a defective product.

In no event shall Graphic Products, Inc., be liable to purchaser for any damages resulting from or related to any failure or delay of Graphic Products in the delivery or installation of the computer hardware, supplies, or software in the performance of any services.

The remedies set forth here are the sole and exclusive remedies available to any person for any damages of any kind and nature including incidental, consequential, or special, whether arising from warranty (including implied warranties), contract, negligence, tort or otherwise. In the event that any implied warranties (including but not limited to the implied warranties of merchantability and fitness for a particular purpose) are found to exist, such warranties are limited in duration to their respective warranty periods.

2. GETTING STARTED

2.1 Unpacking and Inspection

The printer has been specially packaged to withstand damage in the shipping process. However, upon receiving the printer, carefully inspect the package and the device. In case of evident damage, contact the carrier directly to specify the nature and extent of the damage. Please retain the packaging materials in case you need to reship the printer.

2.2 Equipment Checklist
- The DURALABEL 7000 thermal transfer printer unit with cutter
- Ribbon paper core
- Power cord
- CD with printer driver and label templates
- USB cable

If any parts are missing, please contact the Graphic Products customer service department.

3. Setting up the Printer

3.1 Connecting the Printer

1. Place the printer on a flat, secure surface near the computer it will be working with.
2. Make sure the power switch is OFF.
3. Connect the DuraLabel 7000 to the printer with the RS-232 or USB cable.
4. Plug the power cord into the power supply connector on the rear of the printer; plug the opposite end of the cord into a properly grounded outlet.

3.2 Install Using USB Cable
Important! You must have IT administrator privileges in order to install driver.

A Found New Hardware dialog box may appear. If so, select **No, not this time**.

Insert the DuraLabel 7000 CD into the CD-ROM drive. Select **Install the software automatically** and click **Next** (This step may run automatically.) When prompted to continue, click Continue Anyway.
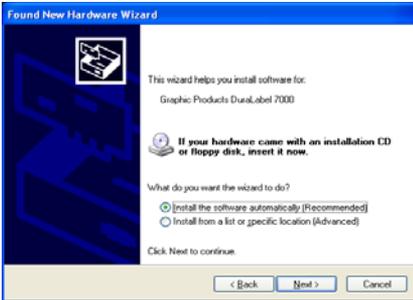
A dialog box will appear showing the progress of the files being copied. It will close after copying is complete.
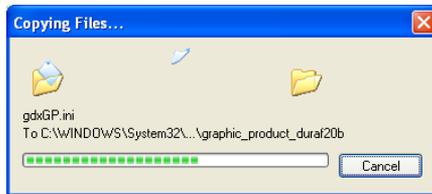
A Found New Hardware Wizard dialog box will appear after completion. Click **Finish** to exit and close the screen.

The driver is now installed and the computer is ready for printing using the duralabel 7000.

3.3 Manual Installation

Important! You must have IT Administrative Privileges in order to install driver.

Insert the Installation CD into the
CD-ROM driver.
Note: If the CD does not
automatically run, go to **Start >>
My Computer** and double-click on
the DLP-icon.

To begin, click **Manual Driver
Install** at the bottom right corner
of the DuraLabel 7000 setup screen.

A "DuraLabel 7000 Driver Setup" dialog box will appear, click **Next** to
begin installation. Click **I agree** to the Windows Printer Driver License
Agreement.
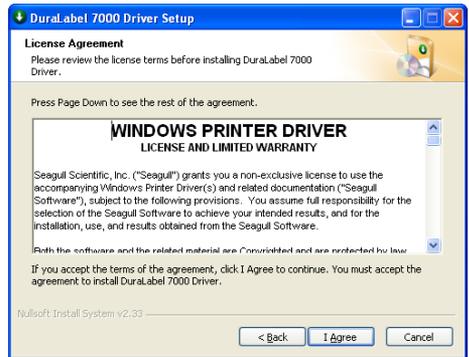
Click **Install** to accept the default directory, "**C:\DL7000**"
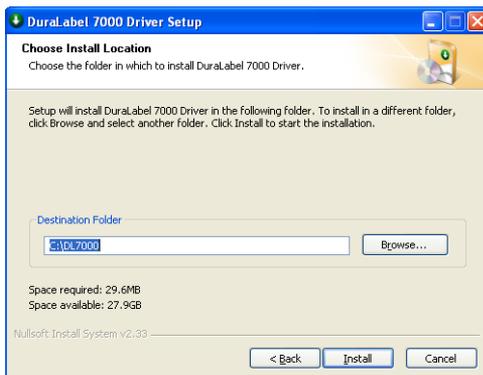
A screen may appear showing the progress of installation.
An **Add Printer Wizard** window should appear on the screen when
progress is completed; click **Next**.
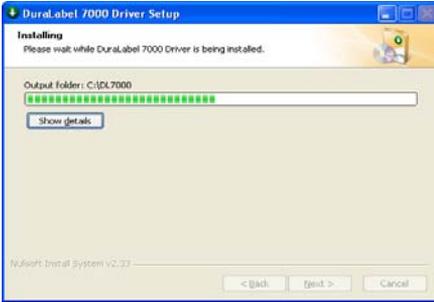
Depending on how the printer will be used, select either **Local** or
Network. If "Local" is selected, make sure the "**Automatically detect
and install my Plug and Play printer**," is unchecked.
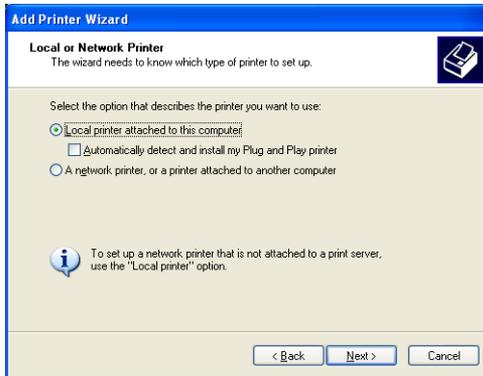
Check **Use the following port**, and select the appropriate port, then
click **Next**.
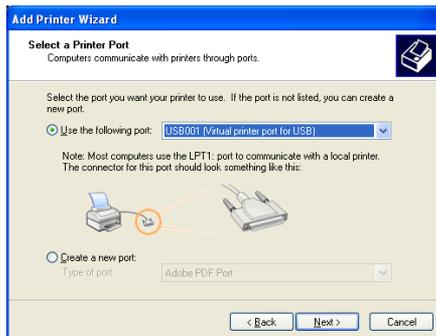
Select **Graphic Products DuraLabel 7000** and click **Next**.
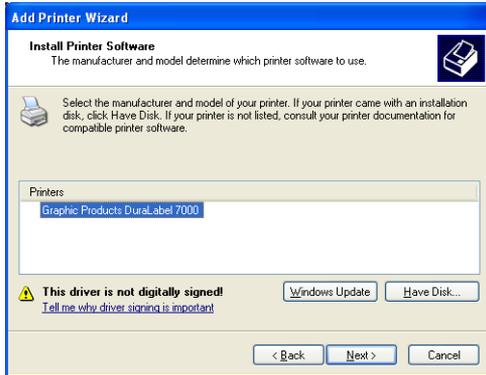
Keep existing printer name as **Graphic Products DuraLabel 7000** and select **Yes** to set the DuraLabel 7000 as the default printer, then click **Next**.

The next window provides an option that allows the DuraLabel 7000 to be shared with other network users. Pick the appropriate setting then click **Next**.
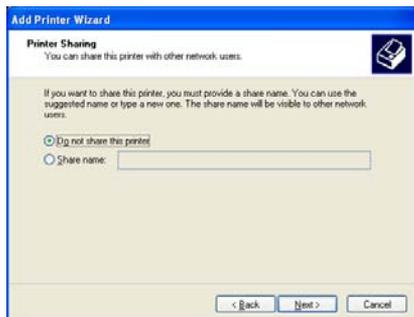
Select **No** to "Do you want to print a test page," then click **Next**.
Make sure the settings are correct. If so, select **Finish**, otherwise select
Back and change to the correct settings.

If prompted to continue, click **Continue Anyway**.
A dialog box will appear regarding Completing the DuraLabel 7000
Driver Setup, click **Finish**.

*The DuraLabel 7000 driver should now be installed and the printer is ready to be
used.*

4. Loading Supply

4.1 Printer Parts

Figure 1. Top front view
1. Control Panel (LCD Screen)
2. Cutter Release Button
3. Observation Window
4. Top Cover

Figure 2. Interior view

1. Ribbon Supply Shaft
2. Ribbon Rewind Shaft
3. Print Head
4. Platen
5. Cutter
6. Sensor Knob
7. Label Guide
8. Print Head Release Lever
9. Label Roll Bar
10. Label Supply Guide
11. Label Supply Lock
12. Adjustable Pressure Tabs

4.2 Loading the Ribbon

1. Make sure the printer is OFF by pressing the on/off switch at the rear of the printer near the power cord.
2. Open the printer's top cover by lifting up the side panel using the indented handle. Push the side cover all the way up until it's fully opened. No support is needed; the cover will rest on its own.
3. Locate the **print head release lever**, a light-green lever.
4. Pull the print head release lever and turn counter-clockwise until it is horizontal. The print area is now open.
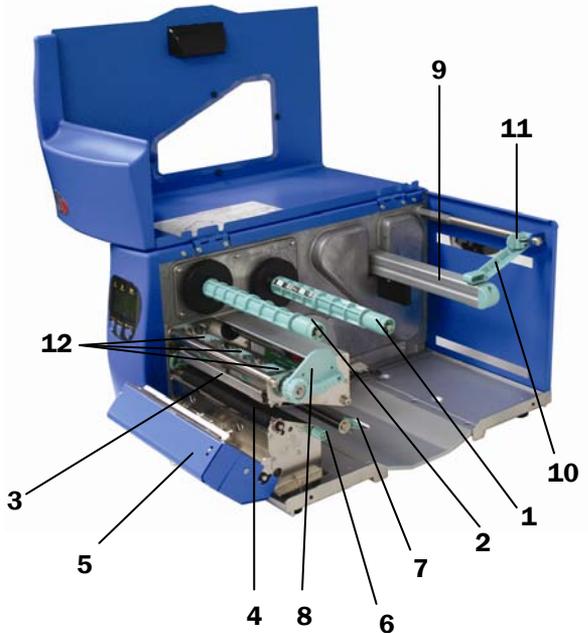5. Holding the roll of ribbon in your right hand, slide the ribbon onto the ribbon supply shaft with the ribbon unrolling clockwise. *Be sure the ribbon goes under the print head assembly, but above the vinyl supply and the media sensor.*
6. Guide the ribbon under the print head, and tape the end to an empty core on the ribbon rewind shaft.
7. Turn the rewind shaft counterclockwise to tighten the ribbon.
8. While holding the ribbon supply shaft taut, twist the print head release lever clockwise and push back into place.
9. Lift cutter and lock into place.

4.3 Loading the Vinyl Supply

1. Make sure the printer is OFF by pushing the on/off switch at the rear of the printer near the power cord.
2. Open the printer's top cover by lifting up the side panel using the indented handle. Push the side cover all the way up until it is fully opened. No support is needed; the cover will rest on its own.
3. Press down on the cutter release button at the front of the machine to release the cutter.
4. Pull the print head release lever outward and turn counter-clockwise to release the print head.
5. Unlock label supply guide and lift up.
6. Slide vinyl onto label roll bar with the supply unrolling counter-clockwise. Lower the supply guide, and lock into place.
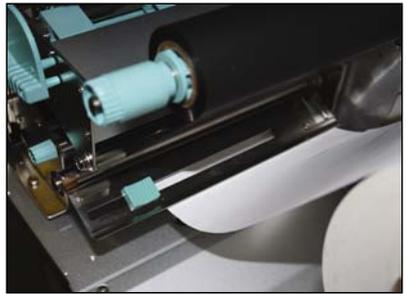
7. Pull the vinyl through the printer, underneath the label tension plate, under the print head, and through the adjustable label guide on the underside of the tension plate. (Be sure the vinyl is under the media sensor below the print head.)
8. Snap the cutter back in place, and close the print head.
9. Close the printer cover, and turn on the DuraLabel 7000.

4.4 Adjusting for Different-sized Vinyl

The DuraLabel 7000 can print three tape widths: 4", 6" and 7". Three Adjustable Pressure Tabs can slide laterally above the print head in order to apply direct pressure to the print head at their adjusted locations. Before printing, make sure to adjust the Pressure Tabs to their appropriate positions for 4'', 6'', or 7'' vinyl, shown below.

7" Vinyl
1. Pull and twist the print head release lever to open the print area.
2. Adjust the Pressure Tabs to be aligned with the **RED 7''** box markers, shown directly behind the Pressure Tabs.
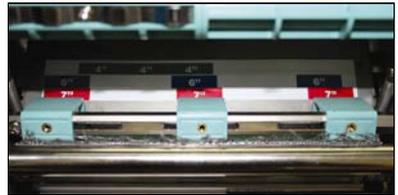
6" Vinyl
1. Pull and twist the print head release lever to open the print area.
2. Adjust the Pressure Tabs to be aligned with the **BLUE 6''** box markers, shown directly behind the Pressure Tabs.

4" Vinyl
1. Pull and twist the print head release lever to open the print area.
2. Adjust the Pressure Tabs to be aligned with the **GREEN 4''** box markers, shown directly behind the Pressure Tabs.

5. Making Labels
5.1 Configure Printer Driver

1. Go to **Start > Settings > Printers.**
2. Right-click on the Graphic Products, Inc., DuraLabel 7000 and choose **Printing Preferences**.
3. Click on **Stock**.
4. Set **Media Settings** to *Continuous*, for continuous vinyl.
5. The **Darkness** can be adjusted from 0 to 19 in increments of 1 by selecting the **Options** tab in the printer settings.

Note: The print speed is set at 2 inches per second and cannot be adjusted.

Please note: The following instructions were developed using versions of MS Word 2003 and newer. Other word processing software would have a similar procedure.

5.2 Setup to Print

Before printing labels, word processing software must be configured appropriately. Word processors generally default to an 8.5" x 11" page size. Follow these steps to set the software for the correct page size for labels:

1. Open MS Word. Click on **File > Print**.
2. In the **Name** drop-down menu, select Graphic Products DuraLabel 7000 as the printer and select **OK.**
3**.** Go to **File > Page Setup > Margins**
4. Set all margins and edges to 0. This allows the entire area of the tape to be used. Set the orientation to desired layout.
5. Select the **Paper Size** option and set the size to be the size of the label. Either the width or height should match the width of the label supply loaded in the machine.

5.3 Using Templates

DuraLabel 7000 Templates provide predesigned MS Word documents for various size labels and applications. Templates can be printed as-is, or modified. Modifying a template is an easy way to immediately get MS Word to be set up for the proper label size. Select a template that is the correct size (blank templates are included for this purpose), and modify the contents. There are no limits on how a template can be modified.

To install and use the DuraLabel 7000 templates do the following:

Put the DuraLabel 7000 CD into your CD-Rom drive. Click on **Install Templates and Symbols** in the start-up window and follow the prompts. Templates will be auto-installed to the **My Documents** folder and will appear in a folder called DuraLabel 7000. To use the templates, open **Microsoft Word > File > Open > Templates folder** and browse. Select a template to load it into MS Word. Then, customize it (if needed) and print the label as you would any other document.

5.4 Designing Labels

Working with Text

Please note: when working with text for label creation, each section of text has to be handled separately, rather than as a whole (as in regular Word documents). Titles will have to be moved and adjusted separately. Portions of text (text boxes) will need to be moved individually.

Text boxes
A text box can be formatted and positioned anywhere on a document. In MS Word, follow these steps:

Click **Insert > Text Box**.

Holding down the left mouse button, drag (in the document window) the outer corners of the text box until it reaches the desired size.

Format the text inside the box to any style and size, the position the box for the required layout. All text boxes automatically have a border when they are created. To remove the border, double-click on the text box. In the **Format Text Box** window, click on the **Colors and Lines** tab. Click on the **color** drop-down menu under **Line** and select **No Line**. Click **OK**, and the border will be gone.

Working with Graphics

Drawing Tools
Many word processors have drawing tools, which are handy for creating lines and shapes. Colors should remain black and white, which will give the best quality printing output. Actual print color is dependent on the ribbon and vinyl used with the DuraLabel 7000 and is unaffected by the colors shown on your computer screen.

Images
To insert a picture in a Word document, follow these steps:

Create a new text box (this allows the image to be moved as needed).

Click inside the text box, and click on **Insert > Picture > From File**. Choose the location of the image file and then select the image.

Change the size of the graphic by dragging its corner to make the image the desired size.

Other graphics, objects and clip-art can be included using the same pull-down menu. Once an image is inserted, the best printing results are achieved if the image is monochrome. Color images can be converted to monochrome. To convert an image to monochrome double-click on it, select the **Picture** tab. Under **Image Control**, then select **Black and White** from the **Color** pull-down menu.

Symbols
To insert a symbol, click **Insert > Picture > From File**. Browse the **My Documents** folder. I the symbols from the DuraLabel 7000 CD have been installed (they auto-install with the templates), a folder will appear inside **My Documents** named **DuraLabel 7000**. The **Symbols Folder** is located in that folder. Find the needed symbol and insert.

Sequencing

Sequencing is commonly used to increment a numeric value to be used when printing wire wrap labels. However, these instructions apply to any type of label. You can use either an Excel spreadsheet template or Word template.

1. Open an existing template or start a new Word document.

2. Because Excel uses pixels to measure rather than inches, it is necessary to format Word documents accordingly. Go to **Tools > Options** to bring up the property sheet for Word. In the **General** tab, find the option to change the unit of measure. Change it to **Point** (which is the same as pixel).
3. If a template is already loaded, make a note of its width and height. These values are needed to set the cell size in the Excel template. When starting with a completely new Word document, go to **File > Page Setup > Paper** and set the width and height to the desired label size.
4. It is now time to add text. Keeping Word open, browse to the provided Excel template: **Number Sequence.xls**.

This is a predefined template with the formula already in place to increment a numeric value by one.

1. Open the existing Excel template **Number Sequence.xls**.
2. Format the cells to match the label size set in Word: Click on the upper left corner of the spreadsheet to highlight the entire document.
3. Left-click and hold the column line between A and B. There will be a small box showing the width in pixels. Adjust the column width to make it the same as label. Repeat for Row Height.
4. Now that the cell size is set to match the label size, change the value in the first cell (column A, row 1) and enter the desired text. In the next cell (column B, row 1), enter the number to be incremented. In the next cell (column C, row 1) enter the value of the increment. The default is 1.

After entering this information, the increment should be visible in each cell below cell 1. Example: To increment the value 100 times, drag the cells down to the 100th row.

5. Once the desired increment and cell span are set, copy the cells to the Word template. Remember that the Word template must match the size specified in the Excel template.

    Select the entire Excel column by clicking on the top header of the cell (in this case, A). Go to **Edit > Copy** to copy the entire column. In the Word document, click anywhere inside the defined page and go to **Edit > Paste**. If the cells don't paste into the exact measurements of the label, adjust the margins so they encompass the entire label.

Import from Excel

Merging one column from a spreadsheet to a label:

1. Be sure Excel file to be merged has been saved.
2. Open the Word document with the label template.
3. Alter the font and size of the text as needed.
4. Open the Excel file that is to be merged into the Word label.
5. Click on column header A; right-click and select **Copy**.
6. Toggle (Alt-Tab) over to the Word template and find the **Edit** button on the Windows Tool Bar, then select **Paste Special**.
7. Select **Unformatted Text** and click **OK**.
8. The Excel column should now appear on the Word label. The labels can now be printed.

Merging multiple columns from a spreadsheet to a label:

1. Open the saved Excel document that is to be merged into Word.
2. Open a blank label template in Word.
3. In Word, click **Insert > Text Box**.
4. Click on the field of the document and a text box will appear. Resize the text box as needed.
5. When the text cursor is blinking within the box, click **Insert > Field**.
6. The box on the left should have the word "All" highlighted in blue. Move the cursor so the blue highlighted text is over **Merge Field**.
7. In the long horizontal box, "MERGEFIELD" will appear. Put a space after "MERGEFIELD" and then type in the column heading from the Excel document to be merged onto the label (i.e. Input)
8. It will then indicate: "MERGEFIELD Input." Click **OK** and the box will vanish. The word "Input" should now be appearing in the text box.
9. Create additional text boxes within the label and repeat the above steps for each cell to be transferred from the Excel document to the Word label.
10. Close the Excel document.
11. In Word, click **Tools > Merge Documents > Files of Type**.
12. Click on the **All Files** item. Then locate the filename of the Excel document to be merged into Word. (Be sure you are browsing in your **My Documents** folder.)
13. Double-click on the correct Excel document. "ENTIRE WORKBOOK" should be highlighted in blue. Click **OK**.
14. In your Word document, click **Tools > Mail Merge**.

15. Click **Create > Form Letters > Active Window**.
16. Click **Get Data > Open Data Source > Files of Type > All Files**.
17. Find and double-click on your desired Excel document. Click **OK > Merge**.

If additional help is needed, refer to Help in your Word toolbar. Type in "Merge from Excel to Word," and then click Search.

6. Printer Information

The following buttons are provided on the front of the DuraLabel 7000 printer.

FEED Button: Pressing this button feeds the label supply through the machine to the starting position. When printing with continuous supply, holding the FEED button down will cause the supply to feed through.

PAUSE Button: This button pauses the printer. No commands will be received by the printer. The printer resumes standby mode when the pause button is pressed again. If the pause button is pressed while printing is in progress, that print job will be paused. Printing will continue when the pause button is pressed again.

CANCEL Button: Pressing this button will cancel the current print job.

The following combinations of buttons produce these results:

Item	Button	Beep	LCD Message	Description
Self Test	Feed + Power on	3 beeps	Self Test	Press and hold FEED button and turn on the printer until the buzzer beeps 3 times.
Dump Mode	Feed + Power on	3 beeps ☺ 1 beep	Now in Dump Mode	After entering Self Test Mode, keep holding FEED button until the buzzer beeps once.
Auto Sensing	Pause + Power on	3 beeps	Auto Sensing Mode	Press and hold PAUSE button and turn on the printer until the buzzer beeps 3 times.
Go to Default	FEED + CANCEL + Power on	2 beeps twice	Go to Default	Press and hold FEED & CANCEL buttons and turn on the printer until the buzzer beeps 2 times. The printer setting will go to default.
Setting Mode	PAUSE	3 beeps	Setting Mode	With the power on, press and hold PAUSE button 3 to 4 seconds until 3 beeps.

6.1 Self-Test

The Self-Test function allows users to check that the printer is operating properly. In Self-Test Mode, the printer will produce a test label when the FEED button is pressed

To start a self-test:

1. Turn the printer off, then press and hold both the FEED button while turning the power switch on.

2. Release the FEED button after hearing 3 beeps.

3. The printer will automatically produce a test strip that shows the internal printer settings. The LCD display screen will indicate "Self Test." These results indicate the printer is functioning properly.

6.2 Dump Mode

Dump Mode is used to check if there has been an error in printer-to-PC communication. If the printed labels do not match the label settings, there may be a printer-to-PC communication problem.

1. Turn the printer's power off. Press and hold the FEED button, and turn on the printer.

2. Release the FEED button after hearing 1 beep. The printer will produce a test strip that reads "Dump Mode Begin."

3. Start a new print job and see if what is printed matches the command sent.

To cancel Dump Mode, press the FEED button. This will return the printer back to standby mode. Dump Mode can also be stopped by turning off the power

6.3 Auto Sensing

The following instructions are necessary when printing labels with gaps, such as die-cut labels.

The DuraLabel 7000 can automatically detect label length using the label black mark positions. This is how to have the printer detect label length:

1. Check the Media Sensor to ensure it is positioned over the vinyl. There is a mark on the media sensor that indicates the exact position of the sensor. That mark needs to be located such that it is directly over any part of the vinyl tape.

2. Turn off the printer. Then press and hold the **Pause** button.

3. Turn the printer on **while still holding the Pause button**. After printer beeps three times and the LCD screen displays "Auto Sensing Mode," release the Pause button.

4. The printer will automatically detect the size and length of the label, and the LCD screen will show the recorded measurement. (The printer will go back to standby mode after displaying the measurement.)

*NOTE: You can adjust where the printer cuts to make sure the cut is directly centered in the gap by adjusting the **Stop Position** in the **Stock** tab of the Printer Properties.*

6.4 Sensor Adjustments for Specialty Stock

When using preprinted Continuous Stripe Vinyl adjust the Gap Sensor so that it is positioned over a white area of the stock (see illustration below). If it is positioned over any portion of the preprinted area the printer will error out. Choose landscape orientation in your print settings (see orientation guide below).

6.5 Orientation

Create the label with the width and height of the label. If the height of the label is the width of the tape installed in the printer, set the orientation to Landscape. If the width of the label is the width of the tape installed in the printer, then set the orientation to Portrait.

ORIENTATION GUIDE

LANDSCAPE

PORTRAIT

x= width of Label Stock loaded in the DuraLabel 7000
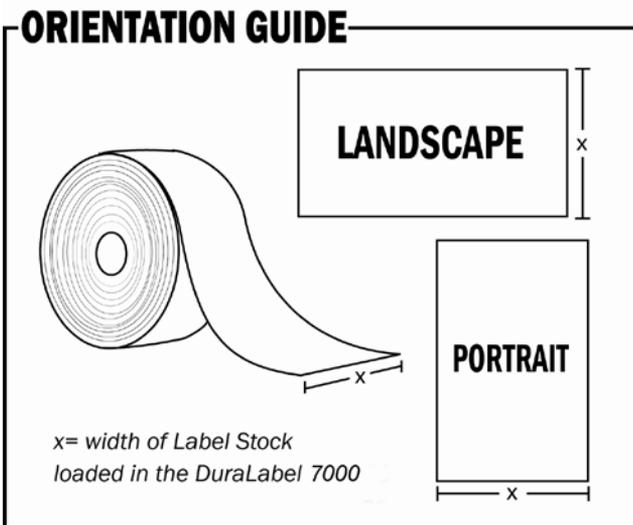
6.6 Setting Mode

In the Setting Mode, the user can make changes according to what is required for the printing mode, options, and label supply type

1. Turn the printer on; keep it in "Ready to Print" status.

2. Press and hold down the **Pause** button for approximately four seconds until the printer beeps three times or the LCD screen displays "Setting Mode."

3. In Sensing Mode, these buttons have the following functions:

- (Minus) = Enter
(3 lines) = Next
+ (Plus) = Exit

4. In the Setting Mode, the LCD screen will show different options along the bottom of the screen.

5. Before exiting Setting Mode, the printer will prompt you to save the settings. Push enter to save or exit to not save; the printer will return to standby mode.

6.7 Standard Settings

Darkness	**Default: 15** Set the darkness of printing result. The setting value is from 0 to 19 and the default value is.
Stop Position	**Default: 12** Set the stop position of printing. The setting value is from 0 to 60.
Print head Position	**Default: 0** Set the position of print head when printing. The setting value is from -100 to 100.
Printing mode	**Default: Thermal Transfer:** when printing, a ribbon must be installed to transfer the print contents onto the media. **Direct Thermal:** when printing, no ribbon is necessary; it only requires direct thermal media.

Option Setup	**Default: Option OFF** **Strip Mode:** turn on the stripper function **Cutter Mode:** turn on the cutter function **None:** select this to turn off the stripper and cutter functions.
Sensor Setup	**Default:** Continuous **Black Mark:** for label or plain paper with black mark in the back **Gap:** for labels with liner and gap, or hang tags. The default is set to be gap paper. **Continuous:** for continuous paper
COM Port Set	**Baud Rate:** **Default - 9600 bits** 4800 bits 9600 bits 19200 bits 38400 bits 57600 bits 115200 bits
	Parity: Default - None Parity Odd Parity Even Parity
	Data Bits: Default - 8 bits 7 bits
	Stop Bits: Default - 1 bit 2 bits
Auto Sensor	**Default: Auto Mode** **Auto Mode:** auto sense the label type (black mark, gap & plain paper) and length **Gap Mode:** detects gap paper **Black Mark Mode:** detects black mark label
LCD Language	**Default: English** English, Simplified Chinese, Traditional Chinese, Spanish, Italian, German, French, Turkish
Code Page	**Default: Code Page 850** Code Page 852

Keyboard Setup	**Default: US** US, UK, French, German, Spanish, Italian, Finnish, Dutch, Belgian
Keyboard Mode	**Default: Recall Label** Recall label from memory card. **Keyboard Setup**: Setting the keyboard. **Code page Setup**: Setting the code page. **Printing Option:** Set the print quantity. **Clock Setup:** Set the clock and clock display. **Exit KB Mode**: Exit PS2 KB Mode.
Buzzer Setup	**Default: ON** OFF
Smart Backfeed	**Default: ON** This function must install stripper or cutter. **OFF**
Password	**Default: OFF** **ON:** When password protect is enabled, the password is required for entering Setting Mode.
Top of Form	**Default: ON** **ON:** Start each printing from the Top-of-Form position. **OFF**
Ethernet	**Go to default:** Set the IP address of Ethernet module to factory default setting.
Preview	Preview and check all settings.

Note: The DuraLabel 7000 will store those settings that were last used before it is turned off. If settings are to be changed when the printer is turned on again, enter into Setting Mode to reset.

6.8 Printer Specifications

Resolution	203 dpi (8 dot/mm)
Print Mode	Thermal Transfer / Direct Thermal
CPU	32 Bit
Memory	4MB Flash, 16MB SDRAM
Print Speed	2 IPS
Print Length	Min 13mm (0.51"), Max 3000mm (118")
Print Width	168 mm (6.61")

Sensor Type	Adjustable transmissive sensor and reflective sensor; left aligned
Sensor Detection	Type: Label gap and black mark sensing. Detection: Label length auto sensing or program command setting
Media	Label Roll: Max. 203mm (8.0") with 76.2mm (3") ID core Core Diameter: 38.1mm (1.5") ~ 76.2mm (3") Width (Tear): 50.8 mm (2") ~ 178.0mm (7") Width (Cutter): Max. 165mm (6.5") Width (Heavy-duty cutter): Max. 172mm (6.8") Width (Stripper/Rewind): 50.8 mm (2") ~ 178.0mm (7") Thickness: 0.06~0.25mm Length: 450 m (1471 ft) Type: Transfer ribbons in widths of 60 to 174 mm (2.36" to 6.85"). Auto ink inside and outside. Core inner diameter 25.4 mm (1"). Max ribbon roll diameter 76 mm (2.99").
Printer Language	EZPL (Firmware downloadable)
Software	Application: Industrial Labeling Suite DLL & Driver: Microsoft Windows, NT 4.0, 2000 and XP
Resident Fonts	11 Windows bitmap fonts (6,8,10,12,14,18,24,30,16X26,OCRA & B); can be rotated in 8 orientations and expanded 8 times horizontally and vertically. Scalable font in 4 orientations.
Fonts Download	Windows bit mapped font: can be rotated in 8 orientations and expanded 8 times horizontally and vertically. Asian font: can be rotated in 4 orientations and expandable 8 times horizontally and vertically. TrueType Font: can be rotated in 4 orientations.
Image Handling	Support BMP and PCX. Support ICO, WMF, JPG, EMF file through software. Support image resize, rotating, mapping and inverse through software.
Barcode	Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 & 5), Codabar, Post NET, EAN 128, DUN 14, MaxiCode, HIBC, Plessey, Random Weight, Telepen, FIM, China Postal Code, RPS 128, PDF417, Datamatrix code & QR code
Interface	Serial port: RS-232 (Baud rate : 4800 ~ 115200 , Xon/Xoff , DSR/DTR) USB port: V2.0 CF card socket
Control Panel	Back-lit LCD Display:128x64dots Graphic LCD. Three single-color LED lamps: Power, Ribbon, Media Three control keys: FEED, PAUSE, CANCEL
Power	100/240VAC, 50/60 Hz
Real Time Clock	Standard

Environment	Operation: 41°F to 104°F (5°C to 40°C) Storage: -4°F to 122°F (-20°C to 50°C)
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.
Cert. Approval	BSMI,CE, FCC Class A,CB,cUL,GS,CCC
Printer Dimension	Length: 516mm (20.31") Height: 285 mm (11.22") Width: 345 mm (13.58") Weight: 16.7 Kg
Options	Cutter Stripper sensor (with internal re-winder) Ethernet Adapter Parallel & PS2 Adapter Applicator Interface (digit in * 1, digit out *3, 5V*1/500mA)

Specifications are subject to change without notice.

7. Print Darkness and Speed Settings for Ribbon

	4" large text	4" small text	7" large text	7" small text	Die-Cut Labels
RIBBON					
Chemical	13-15	13-15	19	17-19	-
Standard Black	9-11	8-9	12-14	19	19
White	8-12	8-12	15-17	14-17	-
Red	10-12	10-12	10-14	10-14	-
Blue	10-12	12-14	12-16	12-16	-
Green	12-16	12-16	12-16	10-18	-
Orange	8-14	10-14	12-16	10-18	-
Shrink Tube	-	-	-	-	-
Printer Speed	2	2	2	2	2

8. Troubleshooting

The following describes the error messages that may be displayed on the DuraLabel 70000 LCD screen:

Print head is Open:
The print head lever is not properly shut. (Printer will beep 4 times.) Open the thermal print head and close tightly.

Out of Media or **Check Media Gap Sensor:**
There is no label loaded, or it is not loaded properly through the sensor. (Printer will beep 4 times.) Make sure the movable sensor mark is at the correct position. If sensor still does not detect label supply, run Auto Sensing again. Replace with new label roll.

Out of Ribbon or **Check Ribbon Sensor:**
The ribbon is not installed properly, the ribbon is gone, or the supply shaft is not moving properly. (Printer will beep 3 times.) Make sure the printer is in the proper printing mode, or insert a new ribbon roll.

Check Paper Setting:
There is most likely a tape jam. (Printer will beep 2 times.) Remove debris or material that is jammed in the printer. Adjust printer according to current usage.

Memory Full:
The printer's memory is full. (Printer will beep 2 times.) Delete unnecessary data in the memory.

Re-winder Full:
The printer's re-winder is full. (Printer will beep 2 times.) Remove the labels on the re-winder and reset.

Filename Cannot be Found:
The printer cannot locate the file being sent. (Printer will beep 2 times.) Use ~X4 command to print all files, and then check to ensure the file exists and its name is correct.

Filename Repeated:
The filename is repeated. (Printer will beep 2 times.) Change the file name and download again.

Contact Customer Service 01:
Turn the Printer off, wait three seconds, turn the printer on and try printing again. If the problem persists, try a different roll of vinyl. If the new roll of vinyl works, call customer service (1-800-788-5572) for a replacement for the roll that didn't work. If the new roll of vinyl doesn't work, please call customer support.

Add in cutter on/off by LCD:
If you press and hold down the 'Cancel' button, the screen reads "Cutter Mode" and you can press "Feed" to manually cut whatever is going through the print head.

LCD Screen shows no message when printer is turned OFF:
Check the power cable and the PC connection.

Technical Support

We are always glad to assist you. If you cannot find the answers you need in this manual, please feel free to give us a call.

To speak with a technical support person, please call 1-800-788-5572. Technical support is available 6:30 AM to 4:00 PM (Pacific Time) Monday through Friday (closed on major holidays).

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