

Monarch®
PAXAR

***Monarch® 9450™
Label Design Software***



User's Manual

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1. Introduction

About This Manual

Read this manual if you

- oversee the generation of labels or tags
- design labels or tags
- decide what to print on labels or tags.

This manual tells you how to design and print labels using this software with a 9450 printer. For information on how to load and use your printer, see your *9450 Operator's Handbook*.

System Requirements

To operate the 9450 Label Design Software, you need:

- IBM XT-compatible (or later) computer and a monitor
- 1 Megabyte hard disk space
- DOS Version 3.1 or later
- IBM RS-232C or compatible asynchronous communications adapter
- Hercules monochrome or IBM color graphics board or compatible

NOTE: Some Terminate and Stay Resident programs (TSR's) may cause problems with the 9450 software. You may want to disable TSR's when running 9450.

Monarch does not recommend running the 9450 software under the Windows shell.

Key Terms

You need to be familiar with several key terms when using the 9450 software.

Decrement	To decrease a field or part of a field by 1.
Default	Value automatically assigned by the system.
Field	Designated area in a format (for example, a bar code field).
File	Specific set of data.
Format	Label or tag design.
Hot Key	Underlined letter on the name of a field or command on the screen. To use the hot key, press ALT + the underlined key . This action moves the cursor to the field or performs the command.
Increment	To increase a field or part of a field by 1.
Menu	Group of choices displayed at the top of a screen.
Selection	Option presented on a menu.

Function Keys

Several keys have special meaning in the 9450 Label Design Software. Short descriptions of their functions follow.

- F1** Toggles between full menu display and single-line menu mode. Use with any menu.
- F10** Interrupts the data being sent to the printer. Use this key to stop the printer so you can change label stock, adjust the labels, etc., without creating a printer error.
- F12** Makes all arrow keys move the cursor in .01 inch increments.
- ESC** Stops the current function. **ESC** works the same as **Q** (for Quit) on most menus. If you press **ESC** while the 9450 software is sending data to the printer, printing is cancelled. Turn the printer off and then on again to clear the printer buffer.
- ARROW KEYS** Move either the cursor or a box representing a field in the direction printed on the key. The field or cursor moves in 0.20 inch increments. If you use the arrow keys located on the numeric keypad with **Num Lock** toggled **ON**, the movement will be in 0.01 inch increments.
- ENTER** Sends information to the software. Various prompts use this key to signal a particular selection.

**PgUp/
PgDn**

When you are asked to enter a filename, the 9450 software presents a list of available files. If all filenames do not fit on the screen, use **PgDn** to see the next set of format names. Use **PgUp** to see the previous set of format names. You can use these keys to view up to 300 format names.

When you display a format, **PgUp** moves the cursor up 1 inch. **PgDn** moves the cursor down 1 inch.

**HOME/
END**

HOME moves the cursor to the upper left corner of a format. **END** moves the cursor to the lower right corner of a format.

2. Installing the Software

Installing the software is a three-step process:

1. Run the installation program.
2. Configure the software for use with your printer.
3. Print the test format, which is provided on the installation disk. This format allows you to verify your printer's connection to the PC.

Before You Install

Before you install this software on your computer, make sure your:

- computer is using DOS 3.1 or later.
- AUTOEXEC.BAT file includes DOS in the path statement (e.g., Path = c:\DOS).
- label printer is installed and connected to your computer's serial port.
- printer's communication port is set to the following values:
 - Baud Rate = 9600
 - Stop Bits = 1
 - Parity = None
 - Word Length = 8
 - Flow Control = DTR

Installing on a Hard Disk

To install the software on a hard disk:

1. Insert the installation disk into the appropriate floppy disk drive and switch to that drive.
2. At the DOS prompt (A or B), type:

```
install
```

and press **ENTER**.

You will see:

```
Installing the 9450 Bar Code Printing  
System Software
```

```
-----
```

```
To install properly...
```

```
* the 9450 system program disk must be  
in drive A: or B:  
* DOS 3.1 or later must be installed  
* the path to DOS must be established in  
AUTOEXEC.BAT
```

```
If these conditions are not true, do  
NOT continue!
```

```
Press ENTER to continue installation.  
Press any other key to exit.
```

3. If these conditions have not been met, exit the installation program by pressing **ESC**. Complete the conditions before you continue. If you have met these conditions, press **ENTER** to continue the installation.

You will see:

```
Default directory:  C:\9450
Do you wish to change? (Y/N) N
```

4. If you want your software to reside in the default drive\directory (c:\9450) press **ENTER**.

If **C:\9450** contains an older copy of the software, you will see:

```
9450 already exists in C:\9450
Do you wish to overwrite previous
version? (Y\N) N.
```

- a. Press **ENTER** if you do not want to install over the previous version of the 9450 software. The installation program stops automatically and you return to the DOS prompt.
- b. If you want to install over an older version of the software, type **Y** and press **ENTER**.
- c. If you want the 9450 software to reside in another directory, type **N** and press **ENTER**.

You will see:

```
Enter the drive:
```

5. Type the letter corresponding to the drive on which you want the software to reside. (For example, type **C**.) Press **ENTER**.

You will see:

```
Enter the directory name:
```

6. Enter the name of the directory where you want the 9450 software to reside (up to 3 directories deep). Use a backslash (\) for the first character. (For example, type **\labels**.) Press **ENTER**. The installation program places all the necessary files in this directory.

You will see:

```
Copying 9450 files into  
drive:\directory...please wait.
```

NOTE: Your 9450 package includes both a 3 1/2 inch and two 5 1/4 inch diskettes containing the 9450 software. If you are using the 5 1/4 inch diskettes, the installation program prompts you to insert the second disk. When this happens, you will see:

```
Insert Disk 2...
```

7. Insert the second disk and press **ENTER** for installation to continue.

When installation is complete, you will see:

```
!!!!!!!INSTALLATION COMPLETE!!!!!!!
```

After installing the 9450 software, run the configuration program to select fonts and set communication parameters for your printer.

Configuring the 9450 Software

To configure the 9450 software for use with your printer, follow these steps:

1. Make sure you are in the specified 9450 directory.
2. At the DOS prompt, type:

`config`

and press **ENTER**.

You will see:

```
*****
* PRINTER CONFIGURATION PROGRAM*
*****

SELECT OPTION:

1) LABEL PRINTER connected to COM1
2) LABEL PRINTER connected to COM2
3) LABEL PRINTER connected to COM3
4) LABEL PRINTER connected to COM4
>>>
```

3. Enter the number that corresponds to the COM port to which your printer is connected (1 for COM1, 2 for COM2, etc).

You will see:

```
SELECT OPTION:  
  
1) LPT1 PORT IS OPEN  
2) LPT2 PORT IS OPEN  
3) LPT3 PORT IS OPEN  
4) LPT4 PORT IS OPEN  
>
```

4. Select an LPT port that is *open* on your system. Make sure that no printer or other device is attached to it. (The software uses an LPT port during the printing process). Press **ENTER**. You will see:

```
Enter letter of drive to be used for  
labels:>
```

5. Enter the letter of the drive on which to save your labels. No colon is needed (for example, type C).

You will see:

```
SELECT OPTION:  
  
1) ENGLISH  
2) METRIC  
>>>
```


6. Enter **1** for inches. Enter **2** for millimeters. Press **ENTER**.

You will see:

```
SELECT OPTION:  
1) Resend format only if modified  
2) Resend format every time  
>>>
```

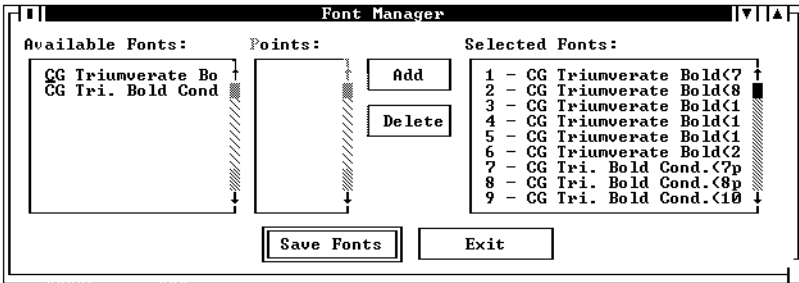
7. Enter **1** to send only modified formats before printing.
Enter **2** to send all formats before printing. Press **ENTER**.

You will see:

```
Do you wish to change the current font  
selections? (Y/N)>
```

8. Enter **Y** to bring up the Font Manager screen and add new fonts, delete fonts, or replace fonts. Enter **N** if you do not want to change your fonts.

If you entered **Y**, you will see:



Moving Within the Font Manager

You can use either the keyboard or the mouse to get around in the Font Manager screens. To select an item when using a mouse, move the cursor onto the object and then press the left mouse button.

If you are using a keyboard, use the **TAB** key to move from box to box, or press the hot key that corresponds to the box you want to move to. Use the **Up Arrow** and **Down Arrow** keys to move to the item you want to select, and then press the **Spacebar** to select the item.

Adding Fonts and Point Sizes

To add a new font and point size to the list of selected fonts, follow these steps:

1. Select the font you want to add from the Available Fonts list box.
2. From the Points list box, select the point size you want the new font to be.
3. Select the library number for the new font in the Selected Fonts box.

4. Select the **Add** button to add the font to your list of selected fonts.

Repeat this process for each font and point size you want to add.

Deleting Fonts

To delete a font from the list of available fonts, follow these steps:

1. Select the font you want to delete from the Selected **Fonts** list box.
2. Select the **Delete** button to delete the font.

Repeat this process for each font you want to delete.

Replacing Fonts and Point Sizes

To replace a selected font and point size with a new font and point size, follow these steps:

1. Select the new font that you want to use from the **Available Fonts** list box.
2. From the **Points** list box, select the point size you want the new font to be.
3. Select the font that you want to replace from the Selected **Fonts** list box.
4. Select the **Add** button to replace the font.

Repeat this process for each font and point size you want to replace.

Saving Your Fonts and Exiting the Font Manager

To save your font and point size changes, select the **Save Fonts** button. The new fonts are saved.

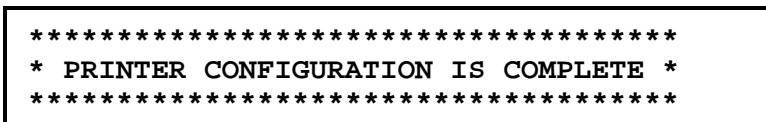
To exit the Font Manager, follow these steps:

1. Select the **Exit** button. You will see:



2. Select **Yes** to save your changes, or **No** to exit without saving. Press **ESC** or click on **Cancel** to return to the Font Manager program.

After the configuration is complete, you will see:



You then return to the directory you selected in the installation program.

NOTE: If you are using an IBM PS/2, you may have to modify your RUN9450.BAT file to include the statement **COPY PRIME COM1** or **COPY PRIME COM2** to initialize the communication port. See the manual for your computer's operating system for more information on setting communication ports.

Checking the Printer Connection

Before you start the software, use the test format (provided on the installation disk) to verify your printer's connection to the PC.

1. Make sure your printer cable is connected to a communication port on the PC. Refer to your *Operator's Handbook* for instructions on connecting your printer.
2. Set the communication values for the communication port attached to the printer. At the DOS prompt, type

```
mode comx:9600,n,8,1
```

(where x in comx is the number of the communication port to which your printer is attached.)

NOTE: Your AUTOEXEC.BAT file must include DOS in the path statement (e.g., Path = c:\DOS) for the mode command to work correctly.

3. From the installation disk, copy the test batch, *TEST.BCH*, to the communication port to which your printer is connected. At the DOS prompt, type

```
copy test.bch comx
```

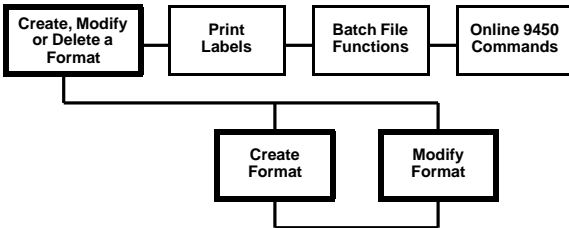
(where x in comx is the number of the communication port to which your printer is attached.)

If the test label does not print, make sure the communication parameters are correct on the printer and on the PC. (Refer to your *9450 Operator's Handbook* to set communication parameters on the printer.)

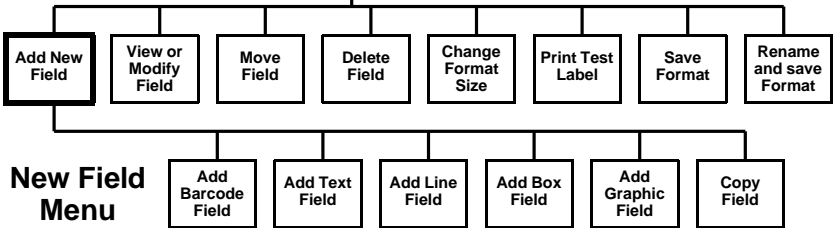
3. Using the 9450 Label Design Software

The 9450 program is menu-driven. The following charts show how the 9450 software menus are organized.

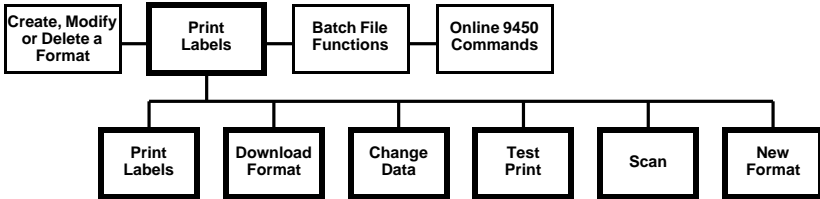
Main Menu



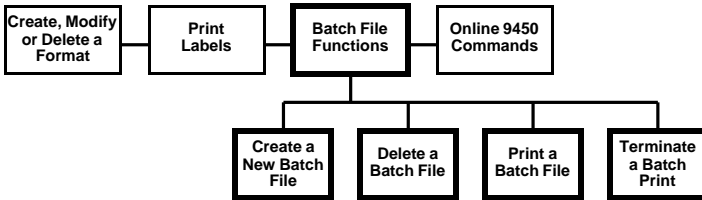
Edit Format Menu



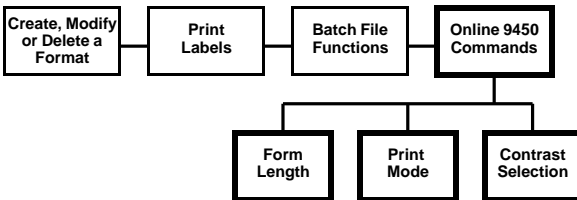
Print Labels Menu



Batch File Functions Menu



9450 Online Commands Menu



Starting the 9450 Software

To start the software:

1. Type:

`run9450`

and press **ENTER**.

NOTE: The RUN9450 command resets your computer's communication ports. These ports remain at the values set by the 9450 software until the computer is reset. To return your ports to their original values, reboot your computer or run a DOS MODE command. See your computer's manual for more information on operating system functions.

The 9450 logo is displayed on the screen.

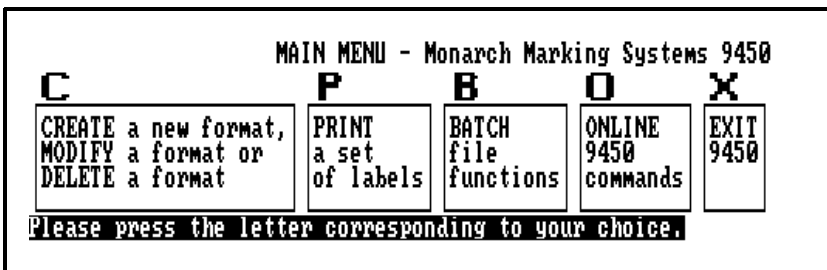
2. Press any key to access the Main Menu.

Menus

Each time a menu appears, you can select from it the option or function you wish to perform. You can display menus in either "Full Menu" or "Single Line Menu" mode.

Menu Modes

When you use Full Menu mode (the default), each menu appears at the top of your display, with its options enclosed in boxes with a selection letter above each box. Each box contains a short description of the option. To select an option, press the letter shown above the box.



When you use the Single Line Menu mode, each one-word option appears at the top of your display, preceded by the letter used to select the option. The advantage to the single-line mode is that you can see the whole format as you design it.



You can switch back and forth between these two menu display options by pressing the **F1** key at any menu.

Main Menu

The Main Menu displays all the major functions of the software.

From this menu you can:

- design formats
- print labels
- perform batch file functions
- download online commands to the printer.

Menu Selections

Exit a function by pressing **Q** (Quit). To end the current function without finishing it, press **ESC**. When you press **Q** or the **ESC** key, the previous menu is displayed. To quit the Main Menu and exit the program, press **X**.

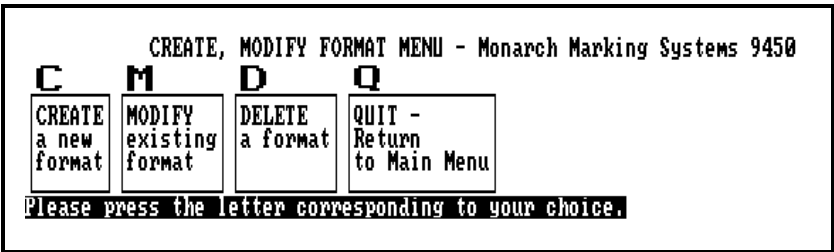
4. Designing Formats

Before you design your formats with the software, you may want to sketch them out on paper.

You can print the formats using the 9450 software, or you can send the formats to another application, such as Monarch data collection software.

Refer to Appendix A, "Sample Label," for an example of a label format.

When you are ready to create your formats, select **C** at the Main Menu. You will see:



From this menu you can:

- create a new format
- modify an existing format
- delete a format.

Creating a Format

To create a new format:

1. Select **C** at the Create, Modify Format Menu.

You will see:

```
ENTER NEW FORMAT NAME: ██████████  
Drive C: contains the following FORMATS:  
  
none found
```

The formats that already exist on the drive you specified in the configuration program are displayed. If there are more format names than you can see at one time on the screen, press **PgUp** and **PgDn**.

2. Enter the name (up to 8 characters) of the format you wish to create. The format name may contain any eight letters or numbers, but no special characters such as periods (.), hyphens (-), or spaces. Press **ENTER**. You will see the Label Size screen:

```
Enter the width of the area to contain data on the label in inches  
and hundredths of inches. Maximum Label width is 1.89 inches.
```

```
Label width           : ██████████  
Label length         :  
Continuous / On Demand :  
Format Number        : 0  
Starting Field Number : 0
```

A highlighted bar appears to the right or below each prompt. For each item, directions for entering the item appear in a box at the top of the display.

Some items have predefined or default values already displayed. Some items already have values entered. If you press **ENTER** or one of the arrow keys when a field already contains a value, the value stays the same.

3. When the highlighted bar moves to a particular item, enter the value for that item. Press **ENTER**. The highlighted bar moves to the next item.

NOTE: You may also use the **Down Arrow** key to move to the next item. Use the **Up Arrow** key to move to a previous item if you need to change the value entered.

4. Enter a value at each prompt and press **ENTER**. Refer to Appendix B, "Format Specification Data" for valid values.

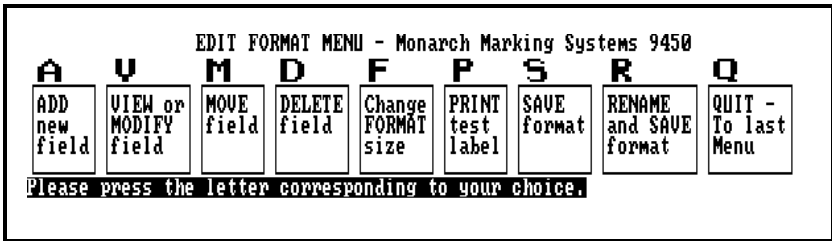
When you are finished entering data, you will see:

<p>ALL DATA IS CORRECT. PRESS ENTER TO BEGIN ADDING FIELDS. PRESS 'C' TO MAKE CHANGES. PRESS ESC TO NOT CREATE THE FORMAT.</p>

5. To make changes to any data item, press **C**. The highlighted bar reappears at the first item. You can move the bar to an item and change it. Press **ESC** when you are finished making changes.

If you decide you do not want to add the new field or the new format, press **ESC** again. The field is not added and you return to the Edit Format Menu. Press **ENTER** to begin adding fields.

The Edit Format Menu appears.



From this menu, you can:

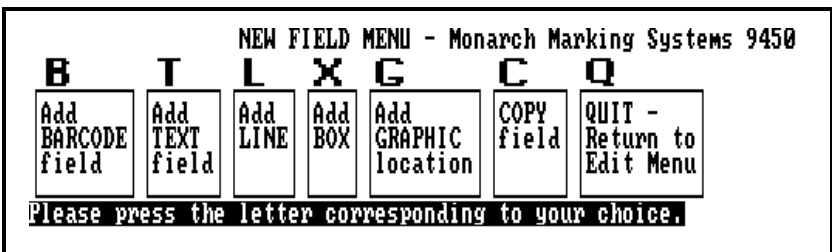
- add a new field
- view or modify a field
- move a field
- delete a field
- change a format size
- print a test label
- save a format
- rename and save a format.

Adding a New Field

To add a new field to a format:

1. Type **A** at the Edit Format Menu.

You will see:



From this menu, you can:

- add a bar code field
 - add a text field
 - add a line field
 - add a box field
 - add a graphic location
 - copy a field.
2. Enter the letter (**B**, **T**, **L**, **X**, **G**, or **C**) that corresponds to the type of field you want to add.

You are prompted for the field specification data.

3. Enter a value at each prompt. Refer to Appendix B, "Field Specification Data," for valid values. Press **ENTER** when you finish defining your field.

You will see a graphic representation of the supply as well as the field you defined.

4. Use the cursor, which appears as a plus sign (+), to place the field where you want it. To position the field, use the arrow keys on the right side of the keyboard or numeric keypad, or the keys marked **PgUp**, **PgDn**, **Home** and **End**. See Chapter 1, "Introduction," for information on how to use these keys.

The coordinates of the cursor are shown at the top left side of the format display. The horizontal or "H" coordinate shows the distance in inches from the left edge of the format. The vertical or "V" coordinate shows the distance in inches from the top edge of the format.

Adding a Bar Code Field

To add a new bar code field to a format:

1. Select **B** from the New Field Menu. You are prompted for bar code specification data.
2. Enter a value at each prompt. Refer to Appendix B, "Field Specification Data," for valid values.

After entering all the items, press **ENTER**. The format is displayed again, with a box representing the area for the bar code.

3. Position the bar code field on the format. When it appears in the desired position, press **ENTER**. You are returned to the Edit Format Menu.

Adding a Text Field

To add a new text field to a format:

1. Enter **T** at the New Field Menu. You are prompted for text field specification data.
2. Enter an appropriate value at each prompt. Refer to Appendix B, "Field Specification Data," for valid values.

After you have entered all items correctly, press **ENTER**. The format is displayed again, with a box representing the area for the text field.

3. Position the text field on the format. When it appears in the desired position, press **ENTER**. You are returned to the Edit Format Menu.

Adding a Line Field

To add a line field:

1. Select **L** at the New Field Menu. You will see the format display and the following message:

Enter the thickness of the line:

2. Enter the thickness of the line in inches and press **[Enter]**. You will see:

Use arrow keys to move to the BEGINNING of the LINE. Press ENTER when done.

3. Use the arrow keys to move to the location on your format where you want the line to start. Press **ENTER**. You will see:

Use arrow keys to move to the END of the line. Press ENTER when done.

4. Press the **Right Arrow** or **Left Arrow** to draw a horizontal line. Press the **Up Arrow** or **Down Arrow** to draw a vertical line.

Press **ENTER** when the line is complete. You are returned to the Edit Format Menu.

Adding a Box Field

Use this function to add a box to your format. To add a box:

1. Select **X** at the New Field Menu. You will see:

Enter the line thickness of the box:

2. Enter the thickness that you want for the lines of the box. Press **Enter**. You will see:

Use arrow keys to move to upper left corner for the box. Press **ENTER** when done.

3. Use the **Down Arrow** and **Right Arrow** keys to position the cursor where you want the top left corner of the box. Press **ENTER**. You will return to the Edit Format Menu.

Adding a Graphic Field

Use this function to position a graphic (such as a company logo) that has been downloaded to the printer.

Graphic fields require some extra steps. The graphic must already exist as a bitmap and must be downloaded to the printer using some other means (the 9450 software won't download graphics). For information on downloading or creating a graphics file, see the *9450 Programmer's Manual* or call Monarch Technical Support.

The graphic field of the format only specifies where to place the graphic on the label. The graphic must already be downloaded in printer memory for a format to print the label with the graphic. To add a graphic field:

1. Select **G** at the New Field Menu. You will see the format display and the following message:

Enter the number of the GRAPHIC:

2. Using the chart below, type the number that corresponds to the ASCII character that was assigned to the download graphic. This ASCII character is called the GID (Graphics Identification) in other documentation. Press **ENTER**.

ASCII	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
GID	0	1	2	3	4	5	6	7	8	9	10	11	12	13

ASCII	S	T	U	V	W	X	Y	Z	[\]	^	_	'
GID	14	15	16	17	18	19	20	21	22	23	24	25	26	27

NOTE: Your programmer can give you a list of graphic file names and what they contain.

You will see:

Use arrow keys to move to UPPER LEFT CORNER for the GRAPHIC box. Press ENTER.

3. Use the arrow keys to move to the starting point for the graphic location and press **ENTER**. You will see:

Use arrow keys to EXPAND BOX to correct size. Press ENTER when done.

4. Adjust the size of the graphic print are (the box):
- to expand the box horizontally to the right, press the **right arrow**
 - to collapse the box horizontally to the left, press the **Left Arrow**.
 - to expand the box vertically, press the **Down Arrow**.
 - to collapse the box vertically, press the **Up Arrow**.

Press **ENTER** when the box is the size you need.

The Edit Format Menu will reappear.

Adding a Copied Field

This function enables you to copy an existing field and place it anywhere on the format.

To copy a field on your format:

1. Press **C** at the New Field Menu.

You will see:

Use arrow keys to move cursor to FIELD
TO BE COPIED. Press ENTER when done.

2. Use the arrow keys to select the field you want to copy and press **ENTER**.

A box representing the area required for the new field is displayed and the following message appears:

Move box to LOCATION FOR THE NEW FIELD.
NOTE: Enter "H" to CENTER HORIZONTALLY
or "V" to CENTER VERTICALLY. Press
ENTER when done.

3. Move the box where you want the copied field and press **ENTER**. The copied field is added to the format and the Edit Format Menu reappears.

Viewing/Modifying a Text or Bar Code Field

This selection enables you to review the specifications for a text or bar code field. You may make changes or return to the Edit Format Menu without making changes.

To view and/or modify a text or bar code field:

1. Enter **V** at the Edit Format Menu.

You will see:

Use arrow keys to move cursor to BARCODE
OR TEXT FIELD TO BE VIEWED/MODIFIED.
Press ENTER when done.

2. Use the cursor to select the field you want to modify and press **ENTER**.

The currently-defined specifications for the field are displayed. In addition, the field's horizontal and vertical coordinates appear above the other data. You will also see the following message:

Press ENTER to CHANGE FIELD DATA. Press
ANOTHER KEY to return to Edit Format
Menu.

3. If you do not want to change any data, press any key (except **ENTER**). You will see the format display and the Edit Format Menu.
 - To change data, press **ENTER**. The highlighted bar appears at the first data item.
 - To change the value for an item, use the **Up Arrow** or **Down Arrow** keys or the **ENTER** key to scroll to the item you want to change and type in the new value.
 - To exit, scroll past the last item or press **ESC**.

You will see:

All data is correct. Press **ENTER** to include field...

4. Press **ENTER** to accept changes or **ESC** to not accept. The format will be displayed again.
5. To leave the field in its original position, press **ENTER**. If you want to move the field, use the arrow keys to position the field where you want it. Press **ENTER**.

You will see the format with its new values and the Edit Format Menu.

Moving a Field

To move a field to a new location on the format:

1. Enter **M** at the Edit Format Menu.

You will see:

Use arrow keys to move cursor to **FIELD TO BE MOVED**. Press **ENTER** when done.

2. Use the cursor to select the field you want to move. Press **ENTER**.

A box appears on the display around the field to be moved. This box represents the area the field requires on the format. Use the arrow keys and **PgUp**, **PgDn**, **Home** and **End** to move the box.

3. When you have moved the box where you want it, press **ENTER**.

You will see the field in its new location, and then the Edit Format Menu.

Deleting a Field

To delete a field from your format:

1. Enter **D** at the Edit Format Menu.

You will see:

Use arrow keys to move cursor to FIELD TO BE DELETED. Press ENTER when done.

2. Select the field you want to delete and press **ENTER**.

You will see:

ARE YOU SURE? Press Y to DELETE FIELD or N to NOT DELETE FIELD.

3. To delete the field, press **Y**. If you do not want to delete the field, press **N** or **ESC**. If you delete the field, it is removed from the display and the Edit Format Menu is displayed again.

Changing the Format Size

To view or modify the format size specifications:

1. Enter **F** at the Edit Format Menu.

You will see the format size specification data. The date, time, the drive the formats and data are on, and the number of fields used will appear at the bottom of your screen.

2. To change the format size information, press **ENTER**. You can enter new data.

NOTE: If you decrease the label size, any fields that would appear off or partially off the format will not print on the label.

Printing a Test Label

Save your format before doing a test print. To print a test label using the current format, enter **P** at the Edit Format Menu. A test label is printed and the Edit Format Menu is displayed again.

Saving the Format

This function saves all the information that defines the format on your hard disk.

To save a format:

1. Enter **S** at the Edit Format Menu.

You will see:

THE FORMAT *drive: format name* HAS BEEN
SAVED. PRESS A KEY TO CONTINUE.

2. Press any key to return to the Edit Format Menu.

Renaming and Saving the Format

The Rename function is similar to the save function. The only difference is that you will be asked to enter a new name for the format before it is saved. The Rename function enables you to make several copies or several versions of a format.

To make a copy, save a format under a new name. To make a new version, modify the format and then save it under a new name. In either case, the Rename function will not affect the original format.

To rename a format:

1. Enter **R** at the Edit Format Menu.

You will see:

ENTER NEW FORMAT NAME:

The formats that already exist on the drive you specified in the configuration program are displayed. If there are more format names than you can see at one time on the screen, press **PgUp** and **PgDn**.

2. Enter the name (up to 8 characters) of the format you wish to create. The format name may contain any eight letters or numbers, but no special characters such as periods (.), hyphens (-), or spaces. Press **ENTER**.

You will see:

**THE FORMAT *drive: format name*
HAS BEEN SAVED. PRESS A KEY TO CONTINUE.**

3. Press any key to return to the Edit Format Menu.

Modifying an Existing Format

To modify an existing format:

1. Enter **M** at the Create, Modify, Menu.

You will see:

ENTER FORMAT NAME:

Use **PgUp** and **PgDn** to scroll through the format names.

2. Type in the format name and press **ENTER**.

The format you selected is displayed. You may now continue by adding, modifying and deleting fields or using any other function at the Edit Format Menu.

Deleting a Format

To delete a format:

1. Enter **D** at the Create, Modify Format Menu.

You will see:

ENTER NAME OF FORMAT TO BE ERASED:

2. Enter the name of the format you wish to delete. Press **ENTER**. Use **PgUp** and **PgDn** to page through the format names.

You will see:

ARE YOU SURE? PRESS "Y" TO ERASE X:XXXX
OR ANOTHER KEY NOT TO ERASE

3. Press **Y** to delete the format you have selected.

You will see:

THE FORMAT *drive: format name* HAS BEEN
ERASED. PRESS ANY KEY TO CONTINUE.

4. Press any key to return to the Create, Modify Format Menu.

5. Printing

You can use the Print Labels Menu or the Batch File Functions Menu to print labels. For information on printing labels using the batch functions, see Chapter 6, "Batch Functions."

To print labels using the Print Menu:

1. Enter **P** at the Main Menu. You will see:

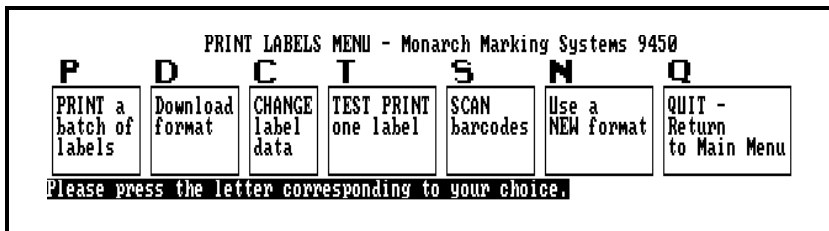
ENTER NAME OF FORMAT TO PRINT:

2. Enter the name of the format you want to print. Press the **PgDn** and **PgUp** keys to scroll through the format names. Press **ENTER**.

If you did not include any variable fields in your format, the Print Labels Menu appears. If you included variable fields in your format design, you are prompted for that information.

3. Enter any variable data. Press **ENTER**.

The Print Labels Menu is displayed with a graphic representation of the format.



From this menu, you can

- print a test label
- print a batch of labels
- download a format
- change label data
- scan bar codes
- choose a new format.

Printing a Test Label

This function prints one label, enabling you to determine whether the format appears to your satisfaction. The printer must be cabled correctly to the computer, and turned on.

To print a test label for the current format, enter **T** at the Print Labels Menu. One label is printed and you are returned to the Print Labels Menu.

Printing a Batch of Labels

Use this function to print a set of labels that use the same format. To print a batch of labels:

1. Enter **P** at the Print Labels Menu.

You will see:

Please enter NUMBER OF LABELS you would like to print:

2. Enter the number of labels you want to print (up to 9999) and press **ENTER**.
3. When the printing is finished, you are returned to the Print Labels Menu.

Entering Multiple Lines of Text in the Same Field

You can enter multiple lines of text in one field:

- If the data source of the format is When Printed
-and-
- If the Number of Lines per field is defined as more than one

For multiple lines, you type **/n** at each line break to simulate a carriage return. Follow these steps:

1. When prompted to type the text for the field, type the text until you get to the point where you want the line to break.
2. Type **/n** and then type the next line of text. Do not type any spaces between the text and the **/n**. For example, if you type **The/nRascal**, "The" will print on the first line and "Rascal" will print on the second line.

The number of line breaks you can enter equals the value defined in the format for "Number of Lines."

Downloading a Format

You can send formats to the printer with the Download format function. This function sends the fields and the format, but does not send batches or fonts.

To download a format, enter **D** at the Print Labels Menu. You will see "*Format Now Being Created.*" The software has downloaded the format.

Changing Label Data

Use this function to change the variable data contained on a format. For example, if your format contains a variable price field, you may want to change the price defined for that format from \$25.00 to \$19.95.

To change format data:

1. Enter **C** at the Print Menu.

A screen appears containing the fields that need to be defined by the operator before printing. This screen shows the prompts defined for each variable field when the format was created. Below each prompt is an input area.

2. Enter the new value for any field you want to change.

Variable fields are grouped six per page. Use the **PgUp** and **PgDn** keys to move between pages or to move between variable fields. You may also use the **ENTER** key to move to the next field.

- Press **ENTER** or the **Down Arrow** key from the last variable field on a page to move to the next page.
- Press the **Up Arrow** key from the top variable field on a page to move to the previous page.

3. When you are finished entering data, press **ESC** to return to the Print Labels Menu or press **ENTER** after you have entered data in the last field. Each variable field and any copied fields will be displayed again with the current data.

Scanning Bar codes

To scan bar codes:

1. Enter **S** at the Print Menu.

You will see:

Set up scanner and begin scanning. Data read will appear below. To RETURN to PRINT MENU, PRESS ESC.

2. Set up your scanner and begin scanning. All data scanned is displayed on the screen.
3. To return to the Print Menu, press **ESC**.

Printing a Different Format

You can select another format for printing by using the New format function. This function is equivalent to selecting the Print Labels option from the Main Menu.

To select another format to print:

1. Enter **N** at the Print Labels Menu.

You will see:

ENTER NAME OF FORMAT TO PRINT:

2. Enter the name of the format you wish to print. Press the **PgDn** and **PgUp** keys to scroll through the format names. Press **ENTER**.

You will see:

Please enter NUMBER OF LABELS you would like to print:

3. Enter the number of labels you want to print (up to 9999) and press **ENTER**.
4. When the printing is finished, you are returned to the Print Labels Menu.

Cancelling a Print Job

You can cancel a print job in one of two ways:

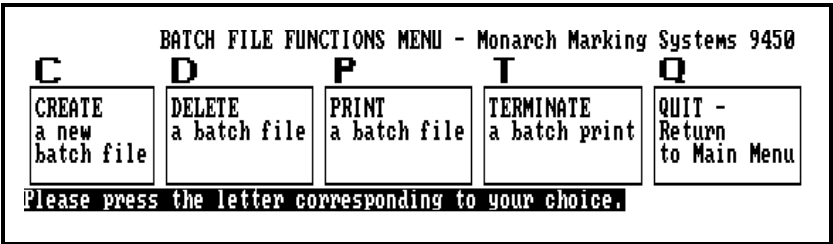
- Cancel a print job while the computer is sending data, but before any printing begins, by pressing **ESC**.
- Interrupt the transmission of data, by pressing **F10**. To resume sending data, press any key.

6. Batch Functions

Batching increases your productivity by sending several labels using the same format to print at the same time. You can print batches using the 9450 software, or you can send the batches to another application, such as Monarch data collection software.

To access the batching functions:

1. Enter **B** at the Main Menu. You will see:



From this menu you can:

- create a batch file
- delete a batch file
- print a batch file
- terminate a batch print.

Creating a Batch File

This function enables you to create a new file with any formats. To create a new Batch File:

1. Enter **C** at the Batch File Functions Menu.

You will see:

```
Enter new Batch File name:
```

2. Enter the name of the new batch file (up to 8 letters). Press **ENTER**.

You will see:

```
Enter name of format to print:
```

3. Enter the name of the format to print. Press **ENTER**.

You will see:

```
BATCH FILE CREATION MENU - Monarch Marking Systems 9450
A      C      N      Q
ADD data to the batch file  CHANGE label data  Use a NEW format  QUIT - Return to Batch Menu
Please press the letter corresponding to your choice.
```

From this menu you can:

- add data to a batch file
- change label data
- change formats.

Adding Data to a Batch File

You can add data to the current batch file by using this function. To add data:

1. Press **A** at the Batch File Creation Menu.

You will be prompted for any variable data on the label.

2. Enter the required data. Press **ENTER**.

If there are no incremented or decremented fields, you will see:

```
Please enter the NUMBER OF LABELS you
would like to print.
```

If there are incremented or decremented fields, you will see:

```
Enter BATCH SIZE (number....)
```

then you will see:

```
Enter NUMBER OF BATCHES (number)
```

3. If the label contains no incremented or decremented fields, enter the number of labels you want to print (up to 9999) and press **ENTER**.

If your label contains incremented or decremented fields, you can print several sets of labels before the field increments or decrements. Enter the batch size and number of batches and press **ENTER**.

For example, to print 10 sets of labels with an incremented serial number starting at 30 and ending at 60, enter 30 for Batch Size and 10 for Number of Batches. Press **ENTER**.

4. The data is added to the batch file and the Batch File Creation Menu is displayed again.

Changing Label Data

Use this function to change any variable data on the displayed label.

To change variable data on your format:

1. Press **C** at the Batch File Creation Menu. You are prompted for any variable data on the label and the quantity of labels you want to print.
2. Enter the required data. Press **ENTER**.

The data is changed in the batch file and the Batch File Creation Menu is displayed again.

Choosing a Different Format

Use this function to select a new format for the current batch file. To change formats:

1. Press **N** at the Batch File Creation Menu.

You will see:

<code>Enter name to format to print:</code>

2. Enter the name of the new format. Press **ENTER**. You are prompted for any variable data.
3. Enter the required data and press **ENTER**.

The system displays the selected label as well as the Batch File Creation Menu. Press **ESC** to return to the Batch File Functions Menu.

Deleting a Batch File

Use this function to delete any batch on the disk.

To delete a batch file:

1. Enter **D** at the Batch File Functions Menu.

You will see:

```
Enter name of Batch File to be erased:
```

2. Enter the name (up to 8 characters) of the file you want to delete. Press **ENTER**.

You will see:

```
'ARE YOU SURE? PRESS 'Y' TO ERASE BATCH  
FILE d:nnnnnnnn OR ANOTHER KEY NOT TO  
ERASE.'
```

d is the drive that contains the batch file and **nnnnnnnn** is the name of the batch file.

3. Press any key if you do not want to erase the batch file. Enter **Y** to remove the file.

You will see:

```
The batch file d:nnnnnnnn has been  
erased. PRESS A KEY TO CONTINUE.
```

4. Press any key to return to the Batch File Functions Menu.

Printing a Batch File

Use this function to print any batch file on the disk. To print a batch file:

1. Enter **P** from the Batch File Functions Menu.

You will see:

```
Enter name of Batch File to print:
```

2. Enter the name of the file you want to print. Press **ENTER**.

You will see:

```
'THE BATCH FILE d:nnnnnnnn IS BEING  
PRINTED. PRESS A KEY TO CONTINUE.'
```

d is the drive that contains the batch file and **nnnnnnnn** is the name of the batch file.

3. Press any key to return to the Batch File Functions Menu.

Terminating a Batch Print

Use this function to cancel the batch currently being printed. To terminate a batch print:

1. Enter **T** at the Batch File Functions Menu.

The printer prints the remainder of the format currently printing, but does not print any remaining formats in that batch.

You will see:

```
PRINTING OF BATCH FILE(S) CANCELED.  
PRESS A KEY TO CONTINUE. NOTE: TURN  
PRINTER OFF THEN ON TO CLEAR BUFFER.  
PRESS A KEY TO CONTINUE.
```

2. Turn the printer off and then on again.
3. Press any key to display the Batch File Functions Menu.

Viewing the Batch Data Stream

You can display the complete online data stream in DOS.

1. After creating a batch, exit to DOS.
2. Use the DOS **TYPE** command to display the file contents. All batch files end with a **.BCH** file extension (for example **TEST.BCH**). To view the contents of **TEST.BCH**, you type the following at the command line:

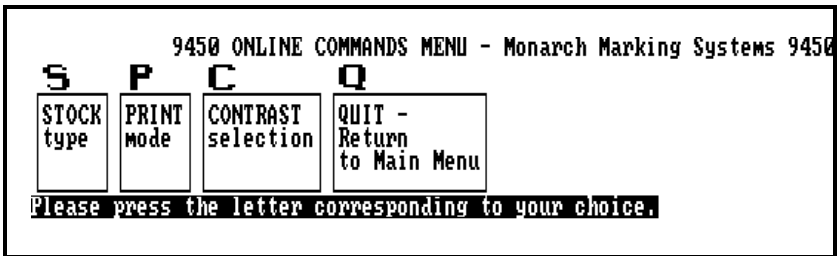
```
TYPE TEST.BCH
```


7. Online Commands

The Online Commands menu allows you to select the supply type and method of printing. This menu also gives you the ability to select a darker or lighter contrast in the appearance of the print.

To select Online Commands:

1. Press **O** at the Main Menu. You will see:



From this menu, you can set these features:

- Stock type
- Print mode
- Print contrast

Selecting the Stock Type

This function enables you to select the type of label stock to use.

1. Enter **S** at the Online Commands Menu.

You will see:

```
Enter: N - Non-indexed Stock.  
      B - Blackmark Stock  
Enter the letter corresponding to your choice at the highlighted bar.
```

Stock Type : █

2. Enter **N** to print on non-indexed label stock. Or, enter **B** to print on black mark label stock. Press **ENTER**.

Selecting the Print Mode

This function enables you to select whether to print labels in one continuous batch, or one at a time.

1. Enter **P** at the Online Commands Menu.

You will see:

```
Enter: C - Print Labels Continuous.  
      O - Print On Demand Labels.  
Enter the letter corresponding to your choice at the highlighted bar.
```

Continuous / On Demand : █

2. Enter **C** to print labels in continuous mode. Or, enter **O** to print labels in on demand mode. Press **ENTER**.
Continuous printing means that the labels will print without pausing. On Demand printing means that one label will print each time you press the feed button on the printer.

Selecting the Print Contrast

This function enables you to select the contrast percentage of the print on the label.

1. Enter **C** at the Online Commands Menu.

You will see:

```
Enter: D - Darken Print Contrast
      L - Lighten Print Contrast
Enter the letter corresponding to your choice at the highlighted bar.
```

Darken / Lighten :

2. From this screen, you can darken or lighten the contrast.
 - To darken the contrast, press **D**. Then, enter the percentage darker that you want the label to print. You can enter a value up to 35% (do not enter the percent symbol). Press **ENTER**.
 - To lighten the contrast, press **L**. Then, enter the percentage lighter that you want the label to print. You can enter a value as low as 15% (do not enter the percent symbol).

Appendix A. Sample Label

Sample Label - 9450 Printer

The following steps guide you through the process of creating a sample format and printing a sample label.

In this sample, the label size is 1.89" x 2.0". The bar code is a UPC-A.

1. Type **C** at the Main Menu. The Create, Modify Format Menu will be displayed.
2. Type **C** to display the list of formats.
3. Type **SAMPLE** and press **ENTER** to display the label specifications list.
4. Type **1.89** (width) and press **ENTER**.
5. Type **2** (length) and press **ENTER**.
6. Type **O** (On Demand) and press **ENTER**.
7. Type 1 for the format ID number and press **ENTER**.
8. Type 1 for the field number for the format.
9. Press **ENTER** to display the Edit Format Menu.
10. Type **A** to display the New Field Menu.
11. Type **T** to display the specification list for this field.
12. Type **2** (Font) and press **ENTER**.
13. Type **1** (Orientation) and press **ENTER**.
14. Type **1** (Height Magnification) and press **ENTER**.

15. Type **1** (Width Magnification) and press **ENTER**.
16. Type **N** (Contrast) and press **ENTER**.
17. Type **F** (Source) and press **ENTER**.
18. Type **SAMPLE** (Fixed Data) and press **ENTER**.
19. Press **ENTER** to display a picture of the label on the screen.
20. Press the down arrow key one time (V=.20) to move the box down.
21. Type **H** to center the box horizontally.
22. Press **ENTER** to display the Edit Format Menu.
23. Type **A** to display the New Field Menu.
24. Type **B** to display the specification list for this field.
25. Type **.5** (Height) and press **ENTER**.
26. Type **1** (Orientation) and press **ENTER**.
27. Type **A** (Symbology) and press **ENTER**.
28. Type **2** (Density) and press **ENTER**.
29. Type **11** (Max. Field Length) and press **ENTER**.
30. Type **ENTER BARCODE** (Prompt Line) and press **ENTER**.
31. Press **ENTER** to display a picture of the label.
32. Press the down arrow key three times (V=.60) to move the box down.
33. Type **H** to center the box.
34. Press **ENTER** to display the Edit Format Menu.
35. Type **S** to save the format and write it to the disk.

36. Press any key to display the Edit Format Menu.
37. Type **Q** to display the Create, Modify Format Menu.
38. Type **Q** to return to the Main Menu.
39. Type **P** to display the list of formats.
40. Type **SAMPLE** and press **ENTER** to display the Print Labels Menu.
41. Type **T** to print the sample label shown below.



Appendix B. Format Specification Data

The following paragraphs provide information regarding the valid values for each prompt you may see when creating a format for the first time.

Maximum width

The width of the printable area may be up to 1.89 inches.

Maximum length

The maximum length of the label may be up to 4.94 inches.

Continuous/On Demand

Indicates either continuously or on demand printing.

Continuous printing means that the labels will print without pausing. On Demand means that one label will print each time you press the Feed button on the printer.

Format Number

The number associated with the format you want to use.
Range: 0 to 74.

Starting Field Number

The number of the field where you want the printer to start printing on the label. Range: 0 to 74.

Field Specification Data--Bar Codes

Each of the prompts you may see when defining a bar code field is described in the following paragraphs.

Bar Code Height

The height in inches and tenths of inches of the bars making up the bar code. Range: .3 inches to 5 inches.

Bar Code Orientation

The orientation of the bar code on the label. Choices are:

1 = horizontal

2 = vertical (90 degree rotation)

Symbology

The letter corresponding to one of the available bar codes.

A - UPCA	F - UPCE+5	M - CODABAR
B - UPCA+2	G - EAN 13	N - Code 128a
C - UPCA+5	H - EAN8	O - Code 128b
D - UPCE	K - Code39	P - Code 128c
E - UPCE+2	L - I 2 of 5	Q - MSI

A UPC-A bar code on this size format will also have less white space around it. This may make it difficult to scan if the label is applied to a dark surface.

Density

Density defines the wide to narrow bar code element in dot rows.

The chart below shows the available densities for each bar code.

Bar Code	Densities
UPCA	1, 2
UPCA+2	1, 2
UPCA+5	1, 2
UPCE	1, 2
UPCE+2	1, 2
UPCE+5	1, 2
EAN8	1, 2
EAN13	1, 2
Code 39	3, 4, 5, 6, 7, 8
I 2 of 5	6, 7, 8, 9, 10, 11, 13, 15
Codabar	4, 5, 6, 7, 9, 10
Code 128a	9, 12, 19
Code 128b	9, 12, 19
Code 128c	9, 12, 19
MSI	4, 6, 9

Maximum Field Length

Enter the maximum number of characters for the bar code field.

Operator Prompt

Text to be used to prompt the operator to enter data. The line is displayed above the data entry area for the field.

Field Specification Data--Text Fields

Select a font and point size from the displayed list.

NOTE: To view additional font selections, type **N** and press **ENTER**. To view the previous font selections, type **P** and press **ENTER**.

Character Soft Fonts

The following table shows the 9450 soft fonts with available point sizes.

CG Triumvirate Bold						
Point Size	Cell Height		Nominal Width		Nominal Height	
6.5	0.098" 2.51 mm	20 dots	0.039" 1 mm	8 dots	0.054" 1.38 mm	11 dots
8	0.123" 3.153 mm	25 dots	0.049" 1.256 mm	10 dots	0.068" 1.743 mm	14 dots
10	0.152" 3.897 mm	31 dots	0.059" 1.512 mm	12 dots	0.083" 2.128 mm	17 dots
12	0.177" 4.538 mm	36 dots	0.073" 1.871 mm	15 dots	0.108" 2.769 mm	22 dots
18*	0.256" 6.564 mm	52 dots	0.231" 5.923 mm	47 dots	0.256" 6.564 mm	52 dots
22*	0.310" 7.948 mm	63 dots	0.275" 7.051 mm	56 dots	0.310" 7.948 mm	63 dots

* indicates point size only supports numeric characters.

CG Triumvirate Bold Condensed						
Point Size	Cell Height		Nominal Width		Nominal Height	
6.5	0.103" 2.641 mm	21 dots	0.029" 0.743 mm	6 dots	0.054" 1.384 mm	11 dots
8	0.123" 3.153 mm	25 dots	0.039" 1 mm	8 dots	0.073" 1.871 mm	15 dots
10	0.147" 3.769 mm	30 dots	0.049" 1.256 mm	10 dots	0.088" 2.256 mm	18 dots
12	0.172" 4.410 mm	35 dots	0.054" 1.384 mm	11 dots	0.108" 2.769 mm	22 dots
18*	0.246" 6.307 mm	50 dots	0.206" 5.282 mm	42 dots	0.246" 6.307 mm	50 dots
22*	0.295" 7.564 mm	60 dots	0.246" 6.307 mm	50 dots	0.295" 7.564 mm	60 dots

* indicates point size only supports numeric characters.

Field Orientation

The field can be printed in two directions:

- 1 left to right (normal)
- 2 top to bottom

NOTE: Refer to the instruction box at the top of the display for an example of each orientation.

Height Magnification

The magnification for the character height. The possible magnifications are 1, 2, 3, and 4.

Width Magnification

The magnification for the character width. The possible magnifications are 1, 2, 3, and 4.

Field Contrast

You can print black characters on a white background (NORMAL) or white characters on a black background (REVERSE). If you choose Reverse, a border area is also printed around the text.

Data Source

The data source for the field can be one of the following:

Fixed The exact data you entered in the field. The field is always printed with that value.

When Printed The field data is variable. When you print the label, the program prompts you to fill in the value of the field. You can change the value for each set of labels printed.

NOTE: If the field is a "When Printed" field, it is displayed as a string of question marks on the format display.

Characters Per Line

If you define the field as "When Printed," enter the number of characters per line for the field.

Number of Lines

If you define the field as "When Printed," enter the number of lines to appear in the field. If you enter a value of more than one for this field, the operator who prints the labels will be able to type multiple lines of text by using /n to represent a carriage return. Refer to Chapter 5, "Printing," for more information.

Justify

If you define the field as "When Printed," specify whether you want the characters to print flush left (**L**), right (**R**), or centered (**C**) in the field.

Operator Prompt

If you define the field as "When Printed," enter text to be used as a prompt for the operator.

Increment Field

If you define the field as "Fixed," you can define these options:

- | | |
|----------------------------|---|
| <i>Increment the field</i> | A number added to the field value for each batch of labels requested when printing. This option is typically used in applications where a unique number such as a serial number is required on each label. The number increments by 1. |
| <i>Decrement the field</i> | A number subtracted from the field value for each batch of labels requested when printing. The number decrements by 1. |
| <i>Constant</i> | The field will not be incremented/decremented.

If the field value is not numeric, no incrementing/decrementing will occur. If the field contains letters and numbers, the increment/decrement applies only to the numeric portion at the end of the field. Example: For the field "45 ABC 23," only "23" is incremented. |

Fixed Data

If you define the field as "Fixed," enter the value of the field. You can type multiple lines of text by using /n to represent a carriage return. Refer to Chapter 5, "Printing," for more information.

Appendix C. Messages

Following are status messages you could receive while using the 9450 software. Each is accompanied by an explanation as well as a possible solution.

NOTE: Some Terminate and Stay Resident programs (TSR's) may cause problems with the 9450 software. You may want to disable TSR's when running 9450.

Monarch does not recommend running the 9450 program under the Windows shell.

Message

Error on printer.

Description

This is the most common error message you will encounter. One of the following may have caused this problem:

You ran **9450.EXE**, not **RUN9450.BAT**. Try running the **RUN9450.BAT** file.

Your cable is not attached to the correct communications port. Make sure it is connected to the correct port.

The Flow Control on your printer is not set to DTR. Set it to DTR. Decimal value = 128 for DTR.

Different DOS versions of MODE.COM, PRINT.COM, or PRINT.EXE are loaded into the 9450 directory. If you have a path statement to DOS in your AUTOEXEC.BAT file, you do not need these files in the 9450 sub-directory. Be sure to delete them.

Your printer may be offline. Make sure the printer is turned on and online.

101 Error erasing label file.

The batch or format file you are trying to delete cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

102 Error erasing report file.

The batch or format file you are trying to delete cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

103 Error opening label file.

The batch or format file you are trying to open cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

Message

Description

104 Error reading label file.

The batch or format file you are trying to read cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

105 Error reading label file.

The batch or format file you are trying to read cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

106 Error reading label file.

The batch or format file you are trying to read cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

107 Error reading label file.

The batch or format file you are trying to read cannot be found.

System error. Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

108 Early end of file on label file - label file damaged.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

Message

109 Too many fields in label file - label file damaged.

110 Too many pictures on label file.

111 Error reading label

112 Error closing label file.

113 Error creating or opening label file.

114 Error reading label file.

Description

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

Message

Description

115 Error writing label file.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

116 Disk full while writing label file.

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

117 Error saving label file--changes lost.

There is something wrong with the label file.

Try again. If this is the first time you are creating this format, it will be lost. If you have saved this format before, only the changes will be lost.

118 Error writing label file.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

Message

119 Disk full while writing label file.

Description

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

120 Error writing label file.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

121 Disk full while writing label file.

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

122 Error writing label file.

There is something wrong with the label file.

Restart the system. The format may be lost. If so, recreate it.

Message

Description

123 Disk full while writing label file.

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

124 Disk full while writing label file.

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

130 Label size parameters in error.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

Message

189 Disk full while writing label file.

Description

There is not enough room on your selected disk to make changes to the label file.

Exit to DOS and check to see how much space is available on your selected disk. If the disk containing your label files is full, you may want to delete some files from the disk. If there appears to be enough room on the disk, reboot your computer.

201 Invalid field type encountered.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

202 Error locating field info.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

203 Invalid field type encountered.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

Message

Description

204 Error locating copy source info.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

206 Invalid source of data found.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

601 Error locating field info.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

701 Error locating field info.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

702 Error locating field info.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

Message

Description

801 Unable to add new field.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

919 Vertical position out of range.

System error.

Shut down your system and start over. If you receive this message again, call Monarch Technical Support.

NOTE: Any error number not included in the above table indicates an internal program failure. Please report any such error to Monarch Technical Support.

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