Item Pricing
User Manual

Monarch® **PATHFINDER**® **Ultra**™ **Printers**

BATTERY PACK
WAREHOUSE 12   07/01/96

4425

0315355110299

5874123698520

FROM: TOMS CANDY SU
7825 FIRST ST

TO: THE SWEETSHOP
4414 GUMDROP LN

WEST LYNN

ANNA OK 66666

222 8
$3.49

28 22222 8
Shampoo
Herbal

SWEATER
SMALL

RED
COTTON-RAMIE

DATE 7/1
PROMO 7/4-7/11

0 71815 26649 3
WAS $39.99
NOW $33.85

0 28400 06736 2
$1.29

$29.99

Monarch®

PAXAR

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Table of Contents _____

With this Item Pricing application, you can print preset labels in 26 non-database styles and 17 database styles. To print labels, you enter data manually or download data from a database to the Monarch® PATHFINDER Ultra® printer.

This manual contains instructions for

- using the keyboard.
- printing.
- non-database operation.
- setting up the printer.
- creating sequential files for database operation.
- updating database files.
- database operation.
- using templates (see Appendix A).

Using the Keyboard _____

At the keyboard, you can use the following keys for special purposes:

- function keys **F1**, **F2**, **F3**, and **F4**.
- the **shift** key.
- the **Escape** key.

Using Function Keys

You can use any of four function keys at any **Format #** prompt.

- **F1** allows you to select from the Main Menu:
  1. **No Database**
  2. **Use Database.**

- **F2** allows you to select a print method. Press ⬅ or ➡ to see the options. For more information on printing options, see "Print Methods."

- **F3** allows you to select
  1. **Save Upld Recs**, or
  2. **Do Not Save**
  when using the database. For more information on these functions, refer to "Database Operating Instructions."
  NOTE: You must select **Save Upld Recs** before scanning data if you plan to upload.

♦ **F4** allows you to **Download Data** and/or **Upload Data** when using the database feature. For more information on these functions, see "Updating Database Files."

Using the Escape Key

Use the **Escape** key to display the previous prompt or exit from the application.

To exit the application, press **Escape** until the display reads
   Exit – **Are you**
   sure?   Y/N
Type **Y** or **N**.

Toggling Between Alpha/Numeric Modes

To switch between alpha and numeric, press **Shift**. Alpha mode is indicated by a blinking cursor.

*Printing Options*_____

When you load this application, you select the print option you want. Use the **F2** key to change printing options at any **Format #** prompt. Use ⊝ to scroll for the following options:

♦ **Print Method 1** - Prints 1 label automatically.

♦ **Print Method 2** - Prints label strips with auto-trigger.
   Enter quantity when prompted after entering format data.
   NOTE: Remember to load in non-peel mode only.

♦ **Print Method 3** - Prints with trigger.

♦ **Print Method 4** - Prints required number of labels one at a time with trigger. Enter quantity when prompted after entering format data.

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*Non-Database Operating Instructions*_____

You can scan or key data into the printer to print labels. Following are instructions for

♦   operating in non-database mode.

♦   selecting non-database formats.

Using Non-Database Formats

You can select **No Database** from the Main Menu when you start the printer, or press **F1** to get to the Main Menu to select **No Database**.

Once you choose a label format, you can scan or key data into the printer.

To print a label:

1.   a. Select **No Database** from the Main Menu. Then press ⊝ or
              ⊝ to select the format you need.
              Press **Enter**.
                   OR
    b. At **Format #** prompt, scan the template of the format you need
            (see Appendix A for templates).

   NOTE: The label size is a 4-digit number in the top right corner of
              the display of the display. For example, **1511** indicates a
              1.5" width x 1.1" feed length label.

2. Scan or key in data at each prompt and then press **Enter**.

3. Squeeze the trigger to print a label if it does not print
        automatically.

Press **Esc** to return to the previous prompt.

Selecting Non-Database Formats

The following twenty-six non-database label formats are available:

Format 1

PRETZELS
FATFREE
LOW SODIUM

0 28400 06736 2

WAS $.89
NOW $.79

- **1515**   1.5"x1.5" label
- **3L**   3 description lines (0 - 14 alphanumeric characters)
- **UPC**   12 numeric characters
- **Was/Now** 2 prices (1 - 6 numeric characters)

Prompt	What You Do
Format 1 - 1515 **3L UPC Was/Now**	Press **Enter**.
Data Line 1 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 2 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 3 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
UPC-A ***********	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Was Price ******	Enter 1 - 6 numeric characters. Press **Enter**.
Now Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

Format 2

PRETZELS

0 28400 06736 2

$.79

- **1511** 1.5"x1.1" label
- **1L** 1 description line (0 - 14 alphanumeric characters)
- **UPC** 12 numeric characters
- **Price** 1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 2 - 1511 **1L UPC Price**	Press **Enter**.
Data Line 1 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 3

PRETZELS

0 28400 06736 2

- **1511**   1.5"x1.1" label
- **1L**   1 description line (0 - 14 alphanumeric characters)
- **UPC**   12 numeric characters

Prompt	What You Do
Format 3 - 1511 **1L UPC No Price**	Press **Enter**.
Data Line 1 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.

_____

Format 4

- **1511**   1.5"x1.1" label
- **UPC**   12 numeric characters
- **1L**   1 description line (0 - 14 alphanumeric characters)
- **Dp**   Department (0 - 6 numeric characters)
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 4 - 1511 **UPC 1L Dp Price**	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Desc **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.
Dept. ******	Enter 0 - 6 numeric characters Press **Enter**.

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Format 5

```
┌─────────────────────┐
│                     │
│      PRETZELS       │
│      FATFREE        │
│     LOW SODIUM      │
│       2 OZ.         │
│                     │
│                     │
└─────────────────────┘
```
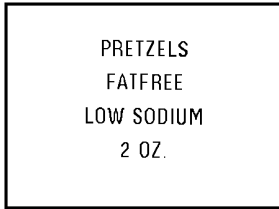
- **1511**   1.5"x1.1" label

- **4L**   4 description lines (0 - 14 alphanumeric characters)

Prompt	What You Do
Format 5 - 1511 4 Lines	Press **Enter**.
Data Line 1 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 2 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 3 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 4 *************	Enter up to 14 alphanumeric characters. Press **Enter**.

_____

Format 6

- **1211**   1.2"x1.1" label
- **UPC**   12 numeric characters

Prompt	What You Do
Format 6 1211 **UPC-A**	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.

9

_____

Format 7

PRETZELS

0 28400 06736 2

$.79

- **1211**   1.2"x1.1" label

- **1L**   1 description line (0 - 14 alphanumeric characters)

- **UPC**   12 numeric characters

- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 7 1211 **1 Line UPC Price**	Press **Enter**.
Data Line 1 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

___

Format 8

- **1211**   1.2"x1.1" label
- **Sale**   (No prompt)
- **UPC**   12 numeric characters
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 8 - 1211 **Sale UPC Price**	Press **Enter**.
UPC-A ***********	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 9

- **1211**   1.2"x1.1" label

- **UPC**   12 numeric characters

- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 9 - 1211 **UPC Price**	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 10

PRETZELS
FAT/SALT FREE

- **1211**   1.2"x1.1" label

- **UPC**   12 numeric characters

- **2L**   2 description lines (0 - 14 alphanumeric characters)

Prompt	What You Do
Format 10 - 1211 **UPC 2Lines**	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Data Line 1 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 2 **************	Enter up to 14 alphanumeric characters. Press **Enter**.

_____

Format 11

- **2011**   2.0"x1.1" label
- **UPC**   12 numeric characters
- **1L**   1 description line (0 - 14 alphanumeric characters)
- **SKU**   Stock number (1 - 10 alphanumeric characters)
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 11 - 2011 **UPC 1L SKU Price**	Press **Enter**.
UPC-A ***********	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Description **************	Enter up to 14 alphanumeric characters. Press **Enter**.
SKU **********	Enter 1 - 10 alphanumeric characters Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

___

Format 12

- **2011**   2.0"x1.1" label
- **EAN+5**   18 numeric characters
- **Dt**   Date (No prompt)
- **Dp**   Department (0 - 6 numeric characters)
- **Was/Now** 2 prices (1 - 6 numeric characters)

Prompt	What You Do
Format 12 - 2011 **EAN+5 Dt Dp 2Pri**	Press **Enter**.
EAN13+5 ******************	Scan or enter 18 numeric characters. Press **Enter**.
Dept. ******	Enter 0 - 6 numeric characters. Press **Enter**.
Was Price ******	Enter 1 - 6 numeric characters. Press **Enter**.
Now Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

15

_____

Format 13

- **2011**   2.0"x1.1" label
- **EAN+5**   18 numeric characters
- **Dt**   Date (No prompt)
- **Dp**   Department (0 - 6 numeric characters)
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 13 - 2011 **EAN+5 Dt Dp Pri**	Press **Enter**.
EAN13+5 ******************	Scan or enter 18 numeric characters. Press **Enter**.
Dept. *****	Enter 0 - 6 numeric characters. Press **Enter**.
Price *****	Enter 1 - 6 numeric characters. Press **Enter**.

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Format 14

- **2011**   2.0"x1.1" label
- **UPC+2**   14 numeric characters
- **Dt**   Date (No prompt)
- **Dp**   Department (0 - 6 numeric characters)
- **Was/Now**   2 prices (1 - 6 numeric characters)

Prompt	What You Do
Format 14 - 1511 **UPC+2 Dt V 2Pri**	Press **Enter**.
UPC-A+2 **************	Scan or enter 14 numeric characters. Press **Enter**.
Dept. ******	Enter 0 - 6 numeric characters. Press **Enter**.
Was Price ******	Enter 1 - 6 numeric characters. Press **Enter**.
Now Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

17

_____

Format 15

```
        ||| ||| ||| ||| ||| ||| ||| |||
                0315355112
               BATTERY PACK
        1452-99311          $5.99
```

- **2011**   2.0"x1.1" label
- **Code 39**   1 - 10 alphanumeric characters
- **Shelf**   1 description line (0 - 15 alphanumeric characters)
- **SKU**   Stock number (1 - 10 numeric characters)
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 15 - 2011 **Code 39 Shelf**	Press **Enter**.
Code 39 **********	Scan or enter 1 - 10 alphanumeric characters. Press **Enter**.
Description ***************	Enter up to 15 alphanumeric characters. Press **Enter**.
SKU **********	Enter 0 - 10 numeric characters. Press **Enter**.
Price ******	Enter 0 - 6 numeric characters. Press **Enter**.

_____

Format 16

SWEATER
SMALL
$39.99
0 71815 26649 3

- **2011**   2.0"x1.1" label
- **UPC**   12 numeric characters
- **2L**   2 description lines (0 - 14 alphanumeric characters)
- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 16 - 2011 **UPC 2Line Price**	Press **Enter**.
UPC-A ***********	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Data Line 1 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 2 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 17


```
0315355112
BATTERY PACK
6 - 9-VOLT
```

- **1522**   1.5"x2.2" label
- **Code 39**   1 - 10 alphanumeric characters
- **2L**   2 description lines (0 - 14 alphanumeric characters)

Prompt	What You Do
Format 17 - 1522 **Code 39 2 Lines**	Press **Enter**.
Code 39 *********	Scan or enter 1 - 10 alphanumeric characters. Press **Enter**.
Desc 1 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Desc 2 **************	Enter up to 14 alphanumeric characters. Press **Enter**.

_____

Format 18

```
SWEATER
SMALL
RED
COTTON-RAMIE
STOCK 7/1
SALE 7/4-7/11
```

- **1522**   1.5"x2.2" label

- **6L**   6 description lines (0-20 alphanumeric characters)

Prompt	What You Do
Format 18 - 1522 **6 Lines**	Press **Enter**.
Desc 1 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 2 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 3 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 4 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 5 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 6 *******************	Enter up to 20 alphanumeric characters. Press **Enter**.

_____

Format 19

```
┌─────────────────────┐
│                     │
│      SWEATER        │
│       SMALL         │
│                     │
│        RED          │
│    COTTON-RAMIE     │
│                     │
│      DATE 7/1       │
│   PROMO 7/4-7/11    │
│                     │
│  ║║║║║║║║║║║║║║║║║   │
│  0 71815 26649  3   │
│  WAS      $39.99    │
│                     │
│  NOW      $33.85    │
│                     │
└─────────────────────┘
```

- **1227**   1.2"x2.7" label

- **6L**   6 description lines (0 - 14 alphanumeric characters)

- **UPC**   12 numeric characters

- **Was/Now**   2 prices (1 - 6 numeric characters)

Prompt	What You Do
Format 19 - 1227 **6L UPC Was/Now**	Press **Enter**.
Data Line 1 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 2 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 3 *************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 4 *************	Enter up to 14 alphanumeric characters. Press **Enter**.

Data Line 5 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
Data Line 6 **************	Enter up to 14 alphanumeric characters. Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Was Price ******	Enter 1 - 6 numeric characters. Press **Enter**.
Now Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 20

```
┌─────────────────────────────────────────┐
│                                           │
│              BATTERY PACK                 │
│             WAREHOUSE 12                  │
│                                           │
│        4425              07/01/96         │
│                                           │
│         ║█║█║║█║█║║█║█║║█║█║║█║            │
│         ║█║█║║█║█║║█║█║║█║█║║█║            │
│                                           │
│              0315355110299                │
│                                           │
└─────────────────────────────────────────┘
```
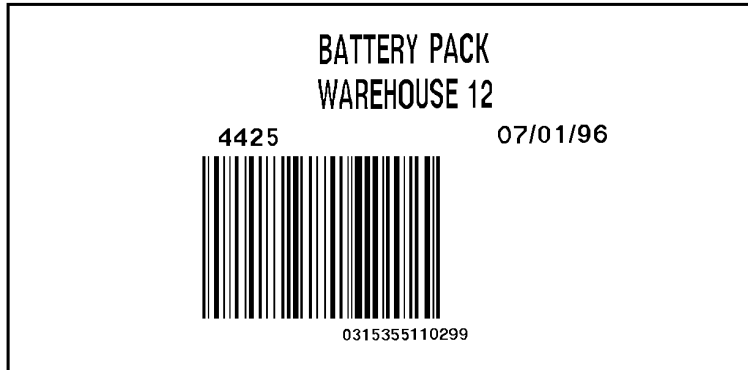
- **2040**   2.0"x4.0" label
- **2L**   2 description lines (0 - 14 alphanumeric characters)
- **Dt**   Date (No prompt)
- **Lt**   Lot number (0 - 10 numeric characters)
- **Code 128** 1 - 20 numeric characters

Prompt	What You Do
Format 20 - 2040 **2L Dt Lt Code128**	Press **Enter**.
Desc 1 ********************	Enter up to 20 alphanumeric characters. Press **Enter**.
Desc 2 ********************	Enter up to 20 alphanumeric characters. Press **Enter**.
Lot # ****	Enter 0 - 10 numeric characters. Press **Enter**.
Code 128 ***********	Scan or enter 1 - 20 numeric characters. Press **Enter**.

_____

Format 21
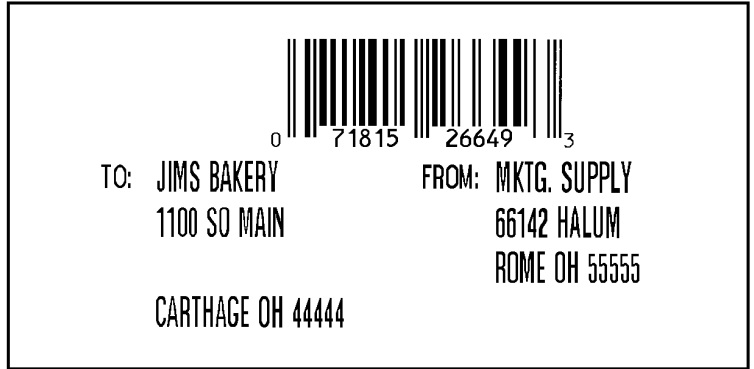
- **2040**   2.0"x4.0" label

- **UPC**   12 numeric characters

- **To**   4 description lines (0 - 20 alphanumeric characters)

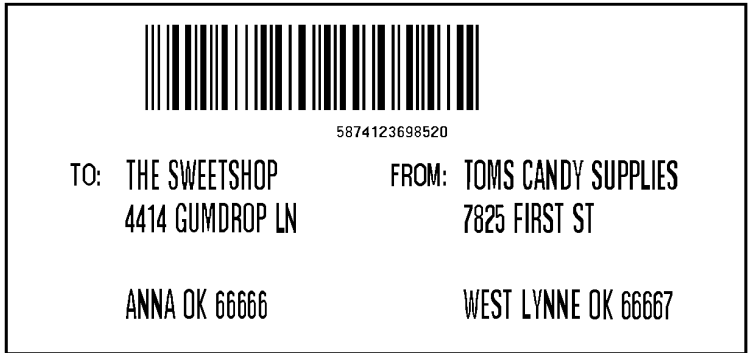- **From**   4 description lines (0 - 20 alphanumeric characters)

Prompt	What You Do
Format 21 - 2040 **UPC To/From**	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
From: ******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 1 ******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 2 ******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ City/St/Zip ******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To: ******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

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To _ Addr 1: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ Addr 2: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ City/St/Zip: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

___

Format 22

```
         ||| |||||| |||| ||| ||| |
              071815266493

  TO:  JIMS AUTO          FROM:  FENDERS-TO-GO
       77 ALLEN RD               104 DEWEY DR

       ADA NY 22222              MASON OR 77777
```

- **2040**   2.0"x4.0" label
- **Code 128**   1 - 20 numeric characters
- **To**   4 description lines (0 - 20 alphanumeric characters)
- **From**   4 description lines (0 - 20 alphanumeric characters)

Prompt	What You Do
Format 22 - 2040 Code 128 To/From	Press **Enter**.
Code 128 *******************	Scan or enter 1 - 20 numeric characters. Press **Enter**.
From: *******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 1 *******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 2 *******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ City/St/Zip *******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To: *******************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

_____

To _ Addr 1: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ Addr 2: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ City/St/Zip: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

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Format 23

- **2040**   2.0"x4.0" label
- **I 2 of 5**   2 - 20 numeric characters, even numbers only
- **To**   4 description lines (0 - 20 alphanumeric characters)
- **From**   4 description lines (0 - 20 alphanumeric characters)

Prompt	What You Do
Format 23 - 2040 **I 2 of 5 To/From**	Press **Enter**.
I 2 of 5 ********************	Scan or enter 2 - 20 numeric characters, even numbers only. Press **Enter**.
From: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 1 ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ Addr 2 ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
Fr _ City/St/Zip ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

To _ Addr 1: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ Addr 2: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.
To _ City/St/Zip: ********************	Enter 0 - 20 alphanumeric characters. Press **Enter**.

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Format 24

- **1208**   1.2"x0.8" label

- **UPC**   12 numeric characters

Prompt	What You Do
Format 24 1208 UPC-A	Press **Enter**.
UPC-A ************	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.

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Format 25

- **1208**   1.2"x0.8" label

- **UPC**   12 numeric characters

- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 25 1208 **UPC-A Price**	Press **Enter**.
UPC-A ***********	Scan or enter 11 numeric characters (automatic check digit). Press **Enter**.
Price *****	Enter 1 - 6 numeric characters. Press **Enter**.

_____

Format 26

$29.99

- **1208**   1.2"x0.8" label

- **Price**   1 price (1 - 6 numeric characters)

Prompt	What You Do
Format 26 1208 **Price Only**	Press **Enter**.
Price ******	Enter 1 - 6 numeric characters. Press **Enter**.

Setting Up for Database Operation _____

The printer must be set up to use the database. Following are instructions for

♦ setting up the printer.

♦ creating sequential or flat files.

Setting up the Printer

In database mode, you update the records by downloading data from the PC and uploading data to the PC. Updating requires you to set up the printer for communication with the PC.

To install the printer application files, database file, and DOSPFX transfer utility on a PC:

NOTE: The PC should NOT be running Windows® during this process.

1. Insert the diskette in the A or B drive.

2. On the c: drive, create the directory called **Monarch**:
   `md \Monarch`

3. Change to the directory containing the database files:
   `cd \Monarch`

4. Type at the DOS prompt:
   `copy a:*.*`

NOTE: If you used the B drive, type: `copy b:*.*`

To set up the printer to communicate:

♦ the communication parameters must be set.

♦ a communications cable must be connected from your PC to your printer.

♦ the printer must be in Receive mode.

The following are the correct settings - an asterisk indicates factory-set defaults.

Parameter	Default
Baud Rate:	9600*
Parity:	Odd*
Data Bits:	7*
Stop Bits:	1*
Flow Control:	Xon/Xoff*
Echo BEL:	(does not matter)
ENQ Polling:	enable
Resp.Timeout:	30*

Creating Sequential Database Files

The printer requires a comma-delimited ASCII sequential or flat file to use the database option. Create the sequential file using nine comma-delimited fields.

NOTE: Although formats may not require all of the fields, separate each field with a comma even if the field is blank.

The nine fields include the following:

1. bar code - numeric or alphanumeric (UPC-A, EAN+5, UPC+2, Code 39, and Code 128 can be supported.)

2. item number - numeric only

3. description 1 - alphanumeric (general information field)

4. description 2 - alphanumeric(general information field)

5. price - numeric only (decimal automatically inserted for cents)

6. lot number - numeric only

7. date - numeric only (entered with or without slashes)

8. user 1 - alphanumeric (used for NOW price field)

9. user 2 - alphanumeric (used for VENDOR or DEPT field)

For the maximum size of each field, see the individual formats.

A full record might look like this example:
028028111119,11111,DESC1,DESC2,10000,111,11/2/59,USER1,9999

_____

Make sure data entered in the sequential file is appropriate for the formats you are using. For example, you cannot print formats using EAN+5 bar codes if the sequential file contains only UPC-A bar codes.

If you use one file for several formats, make sure the data matches the combined requirements for all formats selected. For example, if you want to use Formats 1-4, the sequential file must include all fields required by Format 3 since that format requires the most data. In this case, the data stream
    028028111119,,Toothpaste,,239,,,45342,
could be used by Formats 1-4.

NOTE: You must *save* this file to **data.txt** or you cannot download successfully.

For individual formats and their contents, see "Selecting Database Formats."

Database Operating Instructions _____

Once data is entered in the sequential file, the printer can print labels using the database. You can update database files by downloading or uploading records. Use **F3** at **Format Menu** to change the saving records option for uploading.

NOTE: You must select **Save Upld Recs** before scanning data if you plan to upload.

Following are instructions for

♦ updating the database files.

♦ operating in database mode.

♦ selecting database formats.

Download Data to Database

In database mode, you can download a new sequential or lookup file without leaving the application. Downloading a new sequential file erases the previous file.

You must install the following files on the PC to download successfully:

- PU2420v0.cfu
- PFXSEND.exe

- PF2420v0.fmt
- PL2420v0.txt
  (use as reference)

NOTE: You must be in database mode to download records.

To download data to the database:

1. Press **F4**.

2. **a.** If you saved records, the printer displays this message:
> **1. Download**
> **2. Upload**

Press **1**.

b. If you did not save records, the printer displays this message:
> **Download Data?**
> **Y/N>**

Press **Y**.

3. The printer displays this message:
> **CLEAR LOOKUP**
> **FILES?   Y/N**

Press **Y** to erase the current lookup files and make room for new files.

4. The printer displays the **Waiting** message.
NOTE: Do <u>not</u> press **ENTER** at this point.

5. On the PC, type
```
cd \Monarch
```
Press **Enter**. Then type
```
PFXSEND PU2420v0.cfu /O:data.txt /L
```

6. Press **Enter** at the PC to begin the download.

7. When the download finishes, the printer displays this message:
    DNLD SUCCESS

8. The printer returns to the previously selected format.
The PC returns to the DOS prompt.

Upload Data to Host

In database mode, if you selected **Save Upld Recs (F3)**, you can use the upload feature to record and display how many labels were printed for each item bar code scanned.

NOTE: You must be in database mode to upload records.

To upload data to the PC:

1. Connect the printer to your PC with a communications cable.

2. On the c: drive of the PC, type
cd \Monarch
Press **Enter**. Then type
pfxget

3. Press **Enter** on the PC.

4. On the printer, **Esc** from the format. Press **F4**.
The printer displays this message:
    1. Download Data
    2. Upload Data
Press **2**.
Press **Enter** to prepare to upload. The display reads
    Press ENTER to
    begin upload.

5. Press **ENTER** to upload.

6. When the upload finishes, the printer displays this message:
    SUCCESS   ERASE
    FILE?   Y/N
The PC displays this message:
    Status: Waiting   X Packet(s) Received

7. On the printer, press **Y** or **N** to erase or retain the file.
On the PC, press **Escape**.

_____

8. The printer returns to **Upload Data to Host**.
The PC displays this final message:
> **Successfully received X packet(s)**

Uploading data stores the information to **c:\Ultra.txt**. This file contains the item bar code numbers followed by the quantity of labels printed for each. Contact the System Administrator to print this file.

Using Database Formats

You can select **Use Database** from the Main Menu when you start the printer, or press **F1** to get to the Main Menu to select **Use Database**. You must then decide whether or not to save records.

Saving records allows you to track how many labels were printed by item bar code. Not saving records provides memory for other features.

To use the database, scan or key a bar code at the prompt. The printer searches for the bar code in the database, collects additional information, and prints a label.

To print a label:

1. Select **Use Database** from the Main Menu. Then select
> **1. Save Upld Recs**, or
> **2. Do Not Save**.
> **NOTE:** You must select **Save Upld Recs** before
scanning data if you plan to upload.
Press **Enter**.

2. **a.** Press ⊖ or ⊕ to select the format you need.
Press **Enter**.
> OR
b. At **Format #** prompt, scan the template of the format you need (see Appendix A for templates).

> **NOTE:** The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

**3.** Scan or key a bar code for the item.

4. Squeeze the trigger to print a label if it doesn't print automatically.

Press **Esc** to return to the previous prompt.

Selecting Database Formats

Use the following structure to create a sequential file for the formats:

Format 1   **1511**


```
028028111119,,Toothpaste,,239,,,,
```

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2, 4, and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 2   **1511**

Shampoo

0 28028 22222 8

`028028222228,,Shampoo,,,,,,`

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Fields 2 and 4 - 9 = Not Needed

Format 3   **1511**

0 28028 33333 7
detergent
45342 $6.29

`028028333337,,detergent,,629,,,,45342,`

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Field 8 = Department, 0 - 6 numeric characters
Fields 2, 4, 6 - 7, and 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the
display. For example, **1511** indicates a 1.5" width x 1.1" feed
length label.

Format 4   **1211**

`028028111119,,,,,,,,`

Field 1 = UPC-A Bar code, 12 numeric characters
Fields 2 - 9 = Not Needed

Format 5   **1211**

`028028222228,,Shampoo,,349,,,,`

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2, 4, and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 6   **1211**


```
028028333337,,,,629,,,,
```

Field 1 = UPC-A Bar code, 12 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2 - 4 and 6 - 9 = Not Needed

Format 7   **1211**


```
028028111119,,,,239,,,,
```

Field 1 = UPC-A Bar code, 12 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2 - 4 and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 8   **1211**

028028222228,,Shampoo,Herbal,,,,,

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 4 = Description, 0 - 14 alphanumeric characters
Fields 2 and 5 - 9 = Not Needed

Format 9   **2011**
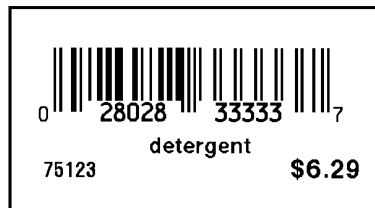
028028333337,75123,detergent,,629,,,,

Field 1 = UPC-A Bar code, 12 numeric characters
Field 2 = Item Number, 1 - 10 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 4 and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 10   **2011**

978038071834450650,,,,899,,7/3/96,45342,599

Field 1 = EAN+5 Bar code, 18 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Field 7 = Date, 0 - 8 numeric characters (with or without slashes)
Field 8 = Department, 0 - 6 numeric characters
Field 9 = NOW Price, 1 - 6 numeric characters
Fields 2 - 4 and 6 = Not Needed

Format 11   **2011**

978038071834450650,,,,899,,7/3/96,45342,

Field 1 = EAN+5 Bar code, 18 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Field 7 = Date, 0 - 8 numeric characters (with or without slashes)
Field 8 = Department, 0 - 6 numeric characters
Fields 2 - 4, 6, and 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 12   2011


```
02802855555555,,,,259,,7/3/96,45342,209
```

Field 1 = UPC-A+2 Bar code, 14 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Field 7 = Date, 0 - 8 numeric characters (with or without slashes)
Field 8 = Department, 0 - 6 numeric characters
Field 9 = NOW Price, 1 - 6 numeric characters
Fields 2 - 4 and 6 = Not Needed

Format 13   2011


```
1010101010,75126,sweater,,3999,,,,
```

Field 1 = Code 39 Bar code, 1 - 20 alphanumeric characters
Field 2 = Item Number, 1 - 10 numeric characters
Field 3 = Description, 0 - 15 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 4 and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the display. For example, **1511** indicates a 1.5" width x 1.1" feed length label.

Format 14   **2011**


```
028028222228,,Shampoo,Herbal,349,,,,
```

Field 1 = UPC-A Bar code, 12 numeric characters
Field 3 = Description, 0 - 14 alphanumeric characters
Field 4 = Description, 0 - 14 alphanumeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2 and 6 - 9 = Not Needed

Format 15   **2040**


```
978038071834450650,,coffee,gourmet,,6381,7/3/96,,
```

Field 1 = Code 128 Bar code, 1 - 20 alphanumeric characters
Field 3 = Description, 0 - 20 alphanumeric characters
Field 4 = Description, 0 - 20 alphanumeric characters
Field 6 = Lot Number, 1 - 4 numeric characters
Field 7 = Date, 0 - 8 numeric characters (with or without slashes)
Fields 2, 5, and 8 - 9 = Not Needed

Format 16   **1208**

$6.29

028028333337,,,,629,,,,

Field 1 = UPC-A Bar code, 12 numeric characters
Field 5 = Price, 1 - 6 numeric characters
Fields 2 - 4 and 6 - 9 = Not Needed

Format 17   **1208**

$29.99

,,,,2999,,,,

Field 5 = Price, 1 - 6 numeric characters
Fields 1 - 4 and 6 - 9 = Not Needed

NOTE: The label size is a 4-digit number in the top right corner of the
display. For example, **1511** indicates a 1.5" width x 1.1" feed
length label.

Appendix A _____

Rather than scroll to locate data, you can scan bar codes in these templates to

♦   select format numbers,

♦   upload,

♦   download,

♦   change the database/non-database option,

♦   select the print method options,

♦   exit the application.

You can also key in the single-digit number or letter just below the bar code that corresponds to the selection you want.

NOTE: At any format number prompt, scan the bar code or key the number or letter below the bar code in the template.

Template One
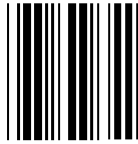
```
     0
  not used
```
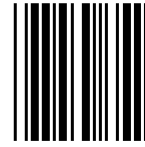
```
     5
  Format 5
```
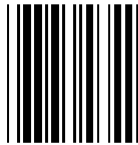
```
     1
  Format 1
```

```
     6
  Format 6
```
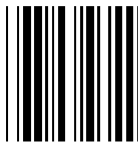
```
     2
  Format 2
```
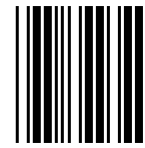
```
     7
  Format 7
```
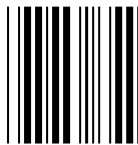
```
     3
  Format 3
```

```
     8
  Format 8
```

```
     4
  Format 4
```

```
     9
  Format 9
```

Template Two
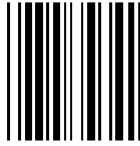
A
Format 10
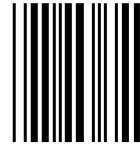
F
Format 15
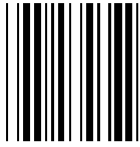
B
Format 11
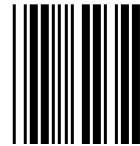
G
Format 16
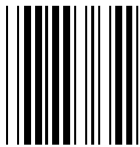
C
Format 12
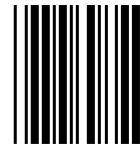
H
Format 17
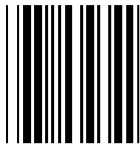
D
Format 13

I
Format 18

E
Format 14
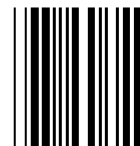
J
Format 19

Template Three

K
Format 20
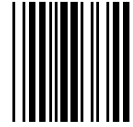
P
Format 25
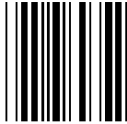
L
Format 21
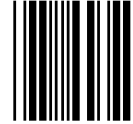
Q
Format 26
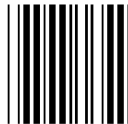
M
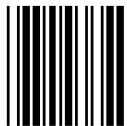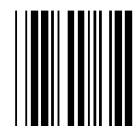**Format 22**
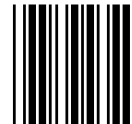
X
Exit

N
Format 23
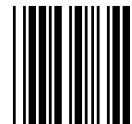
Y
Change database/
non-database option

O
Format 24

Z
Change print
method

For supplies, service, or assistance call toll free:

1-800-543-6650 (In the U.S.A.)
1-800-263-4650 (In Canada)

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