



**M5000/M5500 Portable Data Collector
User Manual**

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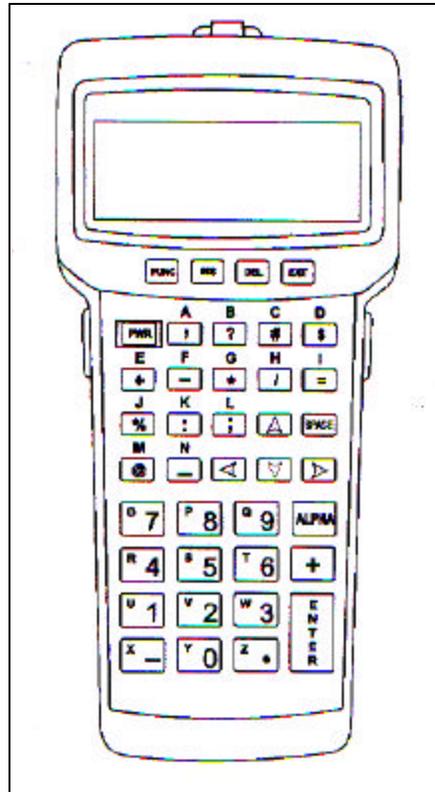
Using the M5000 portable data collector

Getting acquainted with the unit

The portable data collector is a versatile unit and has many excellent features. You will need to spend some time learning about these features just as you would with a new car manual.

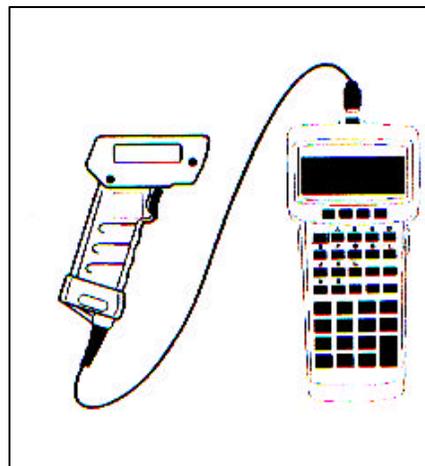
The unit consists of a four-line display for showing prompts and input.

The keypad accepts data input and contains control buttons.



The top of the unit had a port for connecting bar code scanners.

The M5500 data collector has a laser attachment that fits on the top of the unit instead of connecting via a cord. This makes the unit a "ONE PIECE" scanner - data collector.



Ways to connect the unit to the computer

UPLOAD? DOWNLOAD? Who knows? Everybody is right. Maybe!

We call it DOWNLOAD if the data is going from the portable data collector to the computer. We call it UPLOAD when a program is transmitted to the portable. We just like the sound of it this way.

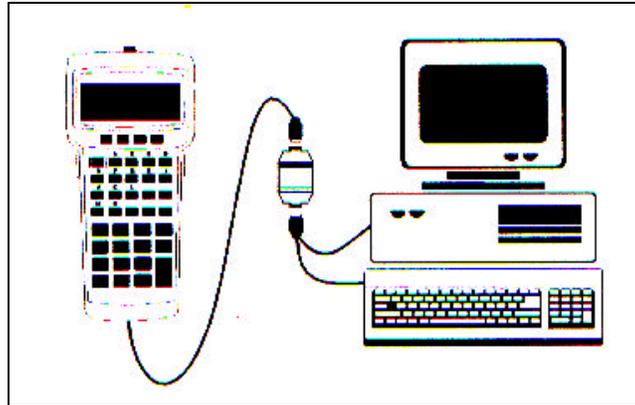
Serial port connection

The terminal can be attached to the computer through the serial cable when is supplied with the unit. This provides the options to download data from the terminal to the computer to a program that will capture the data and write it to a file.

The serial cable is also used to upload programs into the terminal when you write a new program.

Keyboard port connection

The terminal can also be attached to the computer through the keyboard wedge cable when is supplied as an extra. This gets the data directly into the computer through the keyboard port and is used by the program immediately.



The keyboard cable is a “Y” cable. One part attaches to the PC where the keyboard was connected. The other part of the “Y” connects to the keyboard. The larger connector connects to the bottom of the M5000 terminal.

It's all very simple to hook up.

Scanning and transferring data

Using the portable scanner to scan stock numbers

Turn on the portable data collector. This unit normally stores two pieces of information for all programs except the Asset and Inventory Tracker programs.

- Stock number
- Quantity

Press the EXIT button until the following display appears.

```
Input
Communication
Setup
```

Press INPUT.

```
Select program
P1
PT-DSQ
```

Press the down arrow key until the program appears.

```
Select program
P2
```

Press ENTER

```
Input File
>*New File*
```

Type "11" or whatever you want to use for a file name up to eight characters.

This can be a date of the month if you wish.

You can use the same name repeatedly if you wish.

Press ENTER.

```
Enter File Name
> 11
```

A prompt appears to wait for you to scan a stock number.
Scan a number.

```
P/N __
```

To use the keypad on the scanner just press the letter and numbers, which you need. Press the CAPS button if the letters are in lower case to shift to upper case. You can enter the "-", "+", "/" and other symbols by pressing the "SHIFT" button. Press the "SHIFT" button again to switch back to the alpha characters. Use the "left arrow" to backspace and "DEL" to delete a character under your cursor.

Next enter the quantity.

You are now back to the "S/N" prompt again.

When finished with scanning press the "EXIT" button.

```
Exit Data Entry?
Are you sure? (No)
```

Press "Y" for yes.

A prompt appears for approval to save the data file.

```
Save Data File? (Yes)
```

Type "Y" for yes.

Select program
P2
P5-DSQ

Press "EXIT" until the menu screen appears.

Input
Communication
Setup

Hooking up the M5000 to your computer

The portable bar code scanner came with a "Y" keyboard cable. When the computer was turned off you disconnect the keyboard cable from the computer and plug it into one end of the "Y" cable. Connect the other end of the "Y" cable to the computer.

You now have a 26-pin connector, which attaches to the portable bar code scanner. Please note that you also have a 26-pin plug, which is connected to the "Y" cable when the portable bar code scanner is not connected.

Do not press the "ESC" key in the inventory program until you have transferred all data from the portable scanner to the program. The portable scanner will show "Data Uploaded Complete" on the display when it is finished.

The portable scanner will have been connected to the keyboard connection cable and turned on.

Sending data from the M5000 to your computer

Press, "EXIT" until you are at the following prompt

Input
Communication
Setup

Press down arrow and select "Communications".

Communication Select
Send
Receive
Comm. Setup

Select "Send"

Send Select
Data Files
Programs
Setup

Select "Data Files"

Upload Selection
All Data Files
Program P2

Select either "all data files" or just the data files saved with Program P2

Select Program P2.

Select "all data files" or pick the specific file you want to send

Select "All Data Files"

Upload P2
All Data Files
11

Select "RS232"

Communication Mode
Keyboard Wedge
RS232 Serial
Modem

Press, "ENTER"

Waiting for Connect
Protocol: Xmodem
Flow Ctrl: RTS/CTS
9600, Nine, 8, 1

The progress is displayed as the data is sent.

Sending Data
30% Completed

Press the "EXIT" button until you have exited back to the top level.
You can erase or save the data you have uploaded.

Upload means you are uploading the data from the portable scanner to the computer.
Press ENTER.

The scanner displays the percentage completed until all data has been completed.

Erase Uploaded
Data Files?

Press ENTER

Upload P2
>File 11

Answer "Y" if your upload was successful to the computer and the Data was processed correctly.
If you need to send the data again and want to save it, answer "N".
The display changes back to the prior state.

Portable Mode
Select Function

Press the EXIT button three times to return to the neutral screen.

Portable Mode
Select Function

Data File Structures

There are four ways in which data is stored in ASCII text files.

The CR letters stand for "Carriage Return". The LF letters stand for "Line Feed". Therefore, a CR/LF delimited file means the data is written to disk into a file and at the end of a record (a collection of data fields) there is a carriage return, followed by a line feed that forces the start of a new record.

CR/LF delimited - each record is delimited

Example of how the data looks in the file.

```
1234567890 (CR/LF)
2 (CR/LF)
22223333344 (CR/LF)
4 (CR/LF)
```

So what is happening? Each field of data is placed on a separate line because it is ended with the CR/LF. If you download the portable data collector into Notepad or Wordpad you will see the above data, but without the CR/LF. You can connect the portable data collector to your computer via the KEYBOARD CABLE and download the data directly into the Notepad or Wordpad program.

NOTE: This is the format used in the Freeman Software programs when receiving data from the portable data collectors.

CR/LF delimited on each record, comma separated

This is also known as CSV format.

Example of how the data looks in the file.

```
1234567890,2 (CR/LF)
22223333344,4 (CR/LF)
```

So what is happening in this example? Each record is placed on a separate line because it is ended with the CR/LF. The record contains the stock number and the quantity, separated by a comma.

If you download the portable data collector into Notepad or Wordpad you will see the above data, but without the CR/LF. You can connect the portable data collector to your computer via the KEYBOARD CABLE and download the data directly into the Notepad or Wordpad program.

CR/LF delimited on each record, comma and double-quote separated

Example of how the data looks in the file.

```
"1234567890","2" (CR/LF)
"22223333344","4" (CR/LF)
```

Each record is placed on a separate line because it is ended with the CR/LF. The record contains the stock number and the quantity, separated by a comma with all data surrounded with the double quotation marks. In some files only the text is in double quotes.

If you download the portable data collector into Notepad or Wordpad you will see the above data, but without the CR/LF. You can connect the portable data collector to your computer via the KEYBOARD CABLE and download the data directly into the Notepad or Wordpad program.

CR/LF delimited on each record, TAB separated

Example of how the data looks in the file.

```
1234567890      2 (CR/LF)
22223333344    4 (CR/LF)
```

Each record is placed on a separate line because it is ended with the CR/LF. The record contains the stock number and the quantity, separated by a TAB.

If you download the portable data collector into Notepad or Wordpad you will see the above data, but without the CR/LF. You can connect the portable data collector to your computer via the KEYBOARD CABLE and download the data directly into the Notepad or Wordpad program.

SUMMARY

NOTE: We repeat, the first example is the format used in the Freeman Software programs when receiving data from the portable data collectors.

If you have a data collector of a different brand you can test it by collecting it between your keyboard and CPU and download the data. Most data collectors can be programmed to download differently.

Technical Support

Please use the following numbers if you need assistance. The 800 sales line cannot be used to reach technical support. The 800 lines do not go to the technical department. We will be happy to assist you with getting set up and running.

For technical support call 972-840-1119
E-mail "support@freemanpos.com"
Web home page "http://www.freemanpos.com"