

Using the Cipher Lab 1067M Portable Barcode Reader

The Cipher Lab Model 1067M Portable Barcode Reader (CLPBR) can be used either as a standard barcode reader for normal borrowing, returns, etc., or it can be disconnected from the main computer and used for stocktaking. When attached to the computer, the 1067M CLPBR works exactly like a standard barcode reader. For portable use the 1067M CLPBR can be disconnected from the computer by unclipping the cable from the body of the barcode reader (see note 1. below) and a battery pack attached to provide power while performing remote stocktaking.

The Cipher 1067M is supplied with one standard keyboard wedge "Y" cable for attachment to the computer when the 1067M is to be used as a standard barcode reader. In addition to the "Y" cable the unit is supplied with a battery pack for use in portable mode. (Batteries NOT included. Requires 2 x AAA size alkaline cells).

PORTABLE USE FOR STOCKTAKING

When plugged into the computer and set for normal operation the CLPBR can be used for all standard operations in the library software. When the CLPBR is set for portable operation it can only be used for stocktaking purposes. Portable operation does not work properly for loans and returns.

Preparing the 1067M for Portable Use

1. If the keyboard wedge "Y" cable has already been plugged into the barcode reader it has to be disconnected. In order to do this, locate the small hole at the base of the barcode reader's handle, by the use of a suitable plunger inserted into the hole and gently pressing all the way down, the cable can be extracted from the base of the barcode reader. (An eminently suitable tool is the opened end of a standard paper clip).
2. Plug the battery pack into the base of the CLPBR. Make sure the catch on the end of the cable faces the small hole at the bottom of the reader. You'll hear a "click" when the plug locks into place. Switch on the battery pack. The reader should light up and beep as per normal when it starts up.
3. With the use of the Dataman Operation Menu (Provided) identify the block of barcodes with the header "**Set for Data Collection Mode**". Scan the label "**Start**". This tells the reader you wish to start a configuration operation. The reader will not accept normal barcodes when in this "configuration mode". Depending upon the way your barcode reader was originally set up you may have to depress the button on the CLPBR for each barcode read while in this mode.
4. Scan the label "**Enable Scan & Store**". This tells the reader to remember all the barcodes scanned.
5. Scan the label "**Exit**". This quits the configuration mode. The reader will now operate normally and is ready to store every barcode scanned in its memory.

Scanning Items

6. Scan in the items for your stocktake. The reader beeps each time a label is scanned. While the reader has enough memory to hold in excess of 1000 labels, it is recommended to download in small batches, perhaps only a few shelves at a time. If there was a problem scanning -- a bad barcode read for example -- you won't have a large number of items to go back through and redo. If the reader's memory becomes full, you will hear four beeps.

Downloading into BookMark

7. In order to download all the items (barcodes) scanned while stocktaking, it is necessary to disconnect the battery pack and reconnect the CLPBR to the computer using the keyboard wedge "Y" cable. Turn off the battery pack. The reader will hold all the data while you are changing cables.
8. Use the plunger device (Paper Clip) to unplug the battery pack from the reader.
9. Plug the reader back into the keyboard wedge "Y" cable and the computer. The reader will turn on and your keyboard will become active again.
10. Go into BookMark. Go to <7> Stocktaking then <1> Log Items in Stock. Call up the screen where you would normally scan in items. (Have you remembered to clear logged items?).
11. Using the Dataman supplied control chart locate the block title "**Set for Downloading Data to BookMark**". Scan the "**Start**" barcode.
12. The reader is capable of transmitting the items (barcodes) in its memory at a rate faster than BookMark can process. Therefore, it is necessary to slow down the transmission speed. This is done by scanning one of the "Transmission Delay Time" barcodes on the chart. If you are using a stand alone computer or the server, scan the **0.25 Sec or 0.5 Sec** delay time barcode. If you are downloading from a workstation scan the **1 Sec or 2 Sec** delay barcode. This puts a pause between each item as it is downloaded in order to allow BookMark to fully process each entry. You may choose to experiment with the different time delays in order to establish which delay best suits your system.
13. Scan the "**Transmit Stored Data**" barcode. The reader will automatically send all the stored barcodes to the computer. BookMark will process these *as if they were being normally scanned*. This step can be repeated if you need to as it will not adversely affect BookMark to have repeated scans.
14. If you are satisfied with the download, scan the "**Clear Stored Data**" barcode, then scan the "**Confirm**" barcode. This will erase the reader's memory and all stored items thereby allowing for a fresh set of items to be collected.
15. Scan the "**Exit**" barcode. This puts the reader back into memory storing mode for more stocktaking. To do more stocktaking disconnect the reader from the computer, plug the battery pack back in and continue. Repeat from step 6 as often as necessary to complete your stocktake.

Putting the Reader Back to "Normal"

Follow these steps when you have finished and wish to use the reader as a standard bar code reader again. Using the supplied control chart locate the block titled "**Set for Normal Operation**".

1. Disconnect the battery pack and plug the reader back into the computer.
2. Scan the "**Start**" barcode
3. Scan the "**Clear Stored Data**" barcode
4. Scan the "**Confirm**" barcode
5. Scan the "**Disable Scan & Store**" barcode
6. Scan the "**Exit**" barcode.

SUMMARY OF STEPS

1. Unplug the reader and plug in the battery pack. Turn on.
2. Scan the **Start** then **Enable Scan & Store** then **Exit**.
3. Scan the items on the shelves.
4. Turn off battery pack and plug reader back into the computer.
5. Scan **Start** then the **0.25, 0.5 , 1 or 2 Sec Delay**.
6. Scan **Transmit** then **Clear Stored Data** then **Confirm** then **Exit**
7. Plug the battery pack in
8. Repeat steps 3 to 7 as often as required.
9. When finished plug reader back into computer.
10. Scan **Start** then **Clear Stored Data** then **Confirm** then **Disable Scan & Store** then **Exit**.

Battery Pack:-

For safety reasons the battery pack supplied with the 1067M is shipped empty and without batteries fitted, it is recommended that battery pack is fitted with 2 x AAA Alkaline Heavy Duty style batteries. Access to the battery compartment requires the removal of the sliding battery cover on the case of the battery pack holder. Before fitting the batteries make note of the battery orientation legend to ensure they are fitted in the correct polarity.

Operation of the 1067M in portable mode requires that the miniature ON - OFF switch located on the base of the battery pack is activated.

Note:-

While the reader is disconnected from the computer, the keyboard will not function. (If you need the keyboard to be active, you must plug the keyboard directly into the computer, not through the reader's normal cable). This limitation will be temporary, a terminator plug is being prepared that will overcome this problem and will be supplied to all users who request them when they become available. Contact *Dataman Barcode Systems* for details.

These instructions for use and the specially prepared control chart have been produced by *Dataman Barcode Systems* for our customers use only and are not normally supplied by the manufacturer of the Cipher Labs 1067M barcode reader.

CIPHER 1021K, 1000K, 1000USB, 1100 & 1067 SETUP MENU

Reproduced by DaTaMaN Barcode Systems

CIPHER 1021K

Enter Program Mode



Default



Intercharacter Delay



2 Ms



Disable Code 93



Disable Industrial 25



Disable Interleaved 25



Disable Matrix 25



Disable Codabar



Set for ISBN Conversion



Set for NON Button Operation



Set for Button Operation



Update & Exit Program Mode



CIPHER 1000/1100/1067

Enter Program Mode



Default



Intercharacter Delay



2 Ms



Validate



Disable Code 93



Disable Industrial 25



Disable Interleaved 25



Disable Codabar



Disable ISBN-10 Conversion



Set for NON Button Operation



Set for Button Operation








Update & Exit Program Mode



CIPHER LABS BARCODE READER OPERATION MENU

Reproduced by *DaTaMaN* Barcode Systems

Set Scan Mode

1		Always begin the scan mode setting by reading the Start barcode.
2		Select the required scan mode.
3		
4		
5		Always finish the scan mode setting by reading the Update barcode.

Scan Modes

The Cipher Labs range of bar code scanners can be set for a variety of scan modes, the most common method of operating many bar code readers is to squeeze a trigger or press a button each time a bar code needs to be scanned, this method of operation represents only 1 of several possible scan modes. The type of scan mode described above is called the **Auto Off Mode**.

Another regular scan mode is the **Continuous Mode**, this mode eliminates the need to squeeze or depress a trigger each time a barcode is to be scanned but only requires the bar code reader to be held above the bar code. While the Continuous Scan Mode of operation is popular it does have the disadvantage of high power consumption and can reduce battery life when used on portable bar code readers, it is recommended that the continuous mode is confined to those scanners that derive their power source directly from the computer.

An alternative scan mode that partly addresses the problem of excessive power consumption and the need to press the trigger for every bar code read is the **Alternate Mode**. This mode of operation when set, only requires the trigger to be squeezed once to set the bar code reader to a form of continuous scan mode then squeezed once again to turn off the continuous mode. While in continuous mode the bar code reader only needs to be held above the bar code to obtain a bar code scan. By selective use of the above bar codes the required Scan Mode can be set for the Cipher Labs models 1000/1067/1166/1266, always begin the setting by scanning the **Start** bar code followed by the bar code representing the desired Scan Mode and then finish the setting by scanning the **Update (Exit)** bar code.



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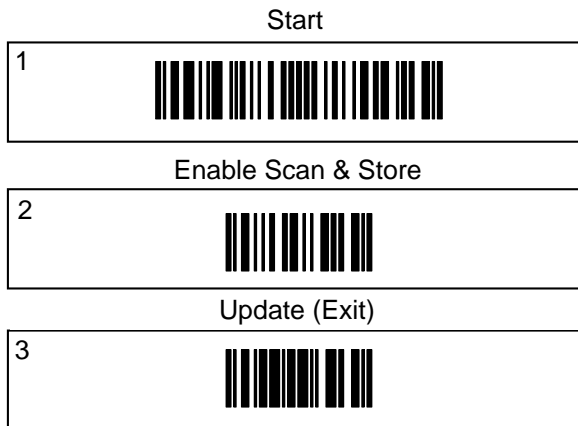
Email:- dmbarcod@bigpond.net.au

Web:- www.datamanbarcode.com.au

CIPHER 1067M PORTABLE BARCODE READER OPERATION MENU

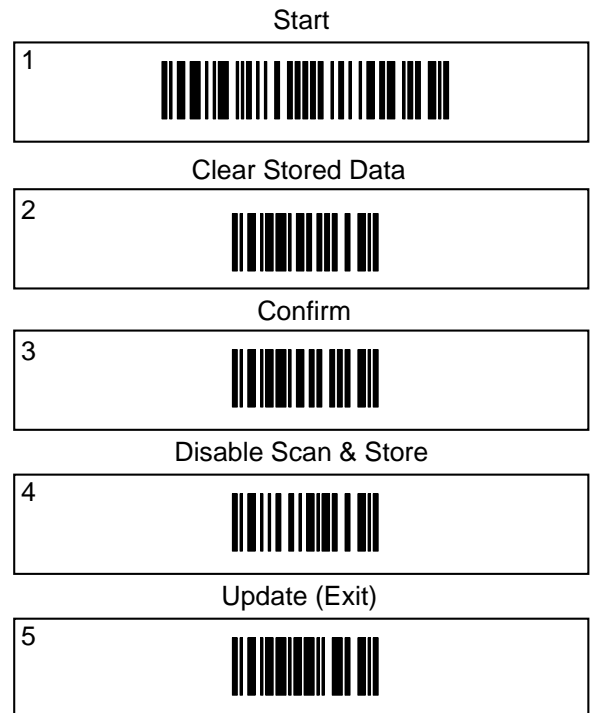
Reproduced by *DaTaMaN* Barcode Systems

Set for Data Collection Mode

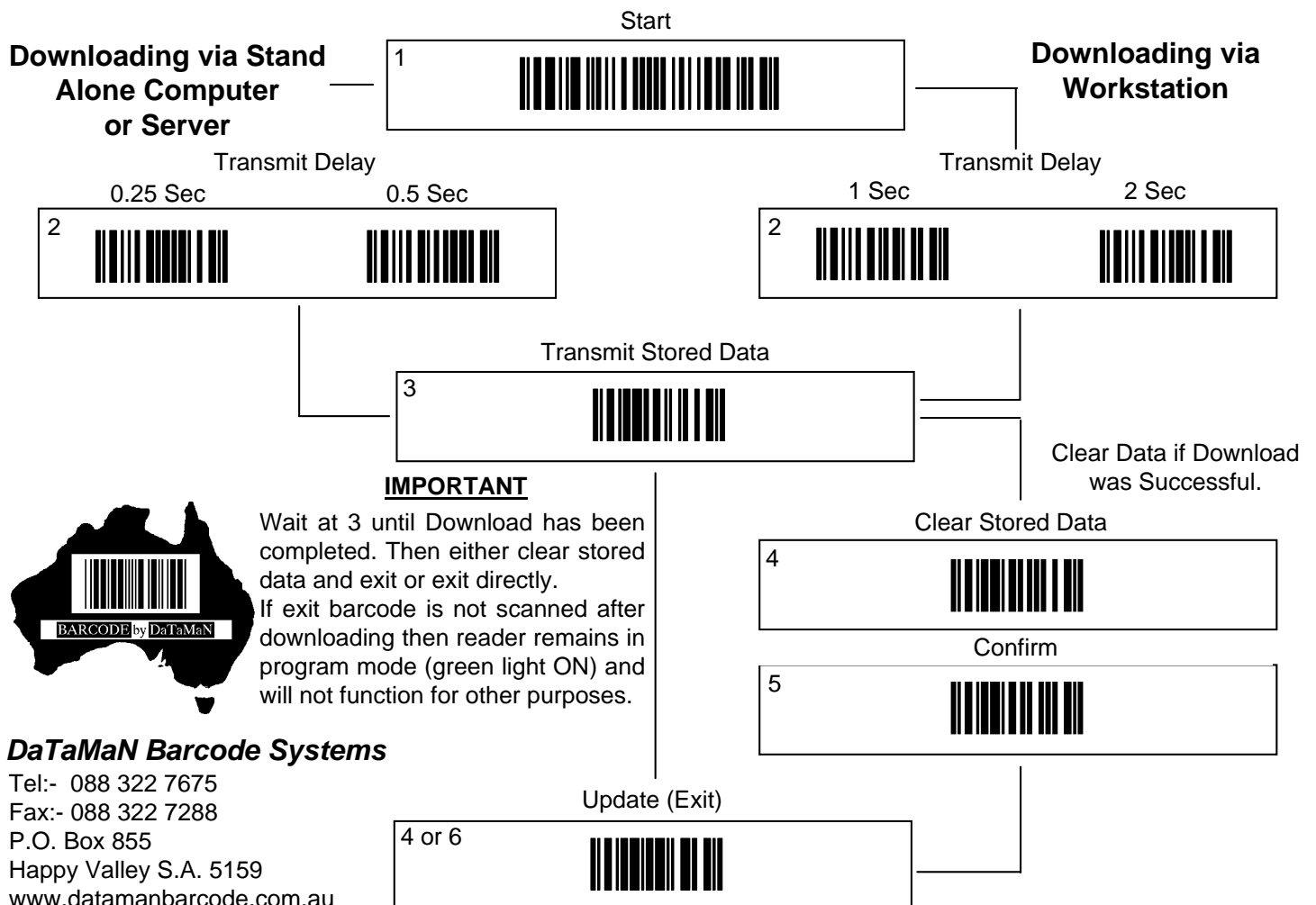


Ensure the Update (Exit) barcode is always scanned last otherwise the bar code reader will remain in program mode (Green Light ON).

Set for Normal Operation



Set for Downloading Data to Book Mark



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