VERY IMPORTANT

The enclosed information in relation to instructions on preparing the Cipher 1166/1266 Wireless Portable bar code reader for initial operation are for reference purposes only.

The Cipher 1166/1266 as supplied **has already been fully configured** by Dataman Barcode Systems for normal usage and paired for operation with it's base station. The only requirement is for the user to fit the lithium battery (2 supplied, 1 for normal operation and 1 spare) in the handle of the barcode reader and connect the base station to the computer using the cables supplied. **The bar code reader can be used immediately, NO DRIVERS need to be loaded and NO additional setup programming is required.**

Note:-
If occasionally during the course of normal usage the operational wireless range of up to 90 meters be exceeded the Cipher 1166/1266-reader will **automatically** store the scanned barcode numbers to its temporary memory. All saved memory content will be immediately transmitted to the base computer once the 1166/1266 reader is returned within wireless range.

Should however there be a requirement to permanently operate the unit beyond the wireless range of 90 meters then the enclosed instructions on how to configure/program and operate the unit in remote data storage mode should be consulted.

The following printed information supplied in the enclosed sheath should suffice for all normal operations in the library. Additional detailed instructions on the features and operation of the Cipher 1166/1266 are available on the disk supplied.

ALSO IMPORTANT:- PLEASE READ THIS

The Cipher 1166/1266 reader units are optically engineered to read bar codes at a greater distance than the smaller hand held scanners many users would be familiar with. In order to read bar codes correctly the 1166/1266 should initially be held approximately 15 cm away from the bar code, the trigger switch then engaged and the 1166/1266 reader moved slowly towards the bar code until the unit beeps. The trigger switch can then be released.

If the 1166/1266 is **held too close** to the bar code (1 – 2 cm) it may not always read the bar code successfully.

It is recommended that the AC power adapter to the Cipher 1166/1266 base station be **periodically switched off** and power then reapplied in order to effect a re-initialising of the wireless portable unit's operation. As a **precaution** this should be done at least **once a day**.

This cycling of power can be considered as a similar analogy to rebooting a computer. In rare cases it may be discovered that the Bar Code reader (1166/1266) fails to re awaken and establish communications with the base unit (rapid flashing of the blue light on the base station indicates a successful communications link). Recycling of the power can be effective in recovering from this situation.

Powering up the CIPHER 1166/1266 Barcode Scanner

When first received the rechargeable lithium ion batteries (two supplied) are stored separately from the 1166/1266 scanner, 1 of the batteries has to be inserted into the bottom of the scanner's handle. It is important to ensure the locking clip on the battery is slid into place to secure the battery and power on the scanner. If it is planned for the scanner to be not used for a prolonged period of time it is recommended that the battery is removed and secured separately.

Setup RF Connection (This has initially been done by Dataman)

Upon powering up, the scanner will attempt to establish RF (Radio Frequency) connection with the base station. At this stage it is necessary to "Pair" the 1166/1266 scanner with the base station.

First ensure that the base station is connected to the supplied switching adapter and that power is applied. Next, locate and identify the two labels on the underside of the base station. The first label has the words "SET CONNECTION" and a barcode, the second label is the serial number.

In order to "Pair" the 1166/1266 scanner with its base, first scan the "SET CONNECTION" barcode label, the scanner will beep once, following this then scan the serial number barcode. The scanner will then emit a low and a high beep.

When the 1166/1266 scanner successfully establishes RF connection with the base station the scanner will emit three short ascending beeps, the "Pairing" is then complete.

Charging the battery

To charge the Scanner's battery simply place (or park) the scanner's handle in to the base. The LED on top of the scanner will flash RED while it charges. When the battery is fully charged (Approximately 4 hours if the battery was fully discharged) the LED will no longer flash but remain fixed RED.

Inserting the second spare battery in the front of the base unit will ensure that it is fully charged and ready for change over while the first battery is being used.

Establishing scanner software setup and configuration

If it is intended for the 1166/1266 Base Station to be connected to the computer using the USB interface connection it may be necessary to acquire additional cabling accessories and programmatically reconfigure the scanners internal parameters to the required mode of operation.

(Contact Dataman for additional detail should this ever be required).

Using the supplied Dataman A4 sheet of initializing and setup barcodes titled "Cipher 1166/1266 Wireless Barcode Reader Setup Menu". Scan each and all of the right hand column of barcodes from 1 to 11, this will ensure that the 1166/1266 is configured with the best optimum settings for use in the library and other general purpose applications. This configuration setup should normally only ever require to be undertaken once.

After scanning the right hand column (and only afterwards) the left hand column of barcodes provided on the same A4 sheet can also be scanned sequentially from 1 to 6, this will ensure that the 1166/1266 RF-Shutdown period is turned OFF.

Connecting the Base Station to the Computer

Importantly it is necessary to ensure that the computer is powered down before attempting to connect the RF Base Station to the computer. Using the supplied Keyboard Wedge "Y" cable attach the single "D" shaped connector to the matching socket on the base station.

Remove the keyboard plug from its connector at the computer if not already removed.

Note the "Y" split connector at the end of the supplied keyboard wedge cable, plug the now disconnected computer keyboard into the matching socket at the end of the "Y" cable.

Now insert the plug at the free end of the "Y" connector (now with keyboard attached) into the computer's socket where the keyboard normally attaches and was originally connected. You are now free to power up the computer and use the 1166/1266 portable wireless scanner.

The scanner's operation can be tested by using Windows Notepad or MS Word as a receiving program, try scanning in sample barcodes to establish RF connection, the scanner will emit a low and a high beep for each scan if the connection was unsuccessful. A single beep means OK.

During day to day use, an advantage in overall operational range may be gained by ensuring the base station / R.F. receiver is located in the most elevated position practicable.

NOTE:-

If the base station is supplied with a keyboard wedge "Y" cable a PS2 style keyboard **MUST** be connected to the spare socket. If the associated computer has a wireless keyboard or the keyboard is connected via a USB connector then the keyboard wedge "Y" cable **cannot** be used, instead the base station must be connected to the computer via a Cipher USB connector. An optional USB cable assembly is available if required.

Using the Cipher 1166/1266 Scanner

The Cipher 1166/1266 Wireless portable barcode scanner and its sister model the fixed cabled Cipher 1100 employ the increasingly popular extended distance reading CCD technology. The CCD or (Charged Couple Device) reading methodology in barcode readers is more often encountered in the popular hand held low cost reading devices, these units usually have the ability to read barcodes from a distance of Zero to Two or Three Centimeters. The ability to read barcodes from a greater distance has until recently been restricted to Laser Scanners a completely different technology that employs high intensity laser light. The Cipher 1100 & 1166 are not laser scanners but do employ advanced optics with CCD reading to allow barcodes to be scanned from a greater distance. In contrast the Cipher model 1266 uses the more traditional laser scanner.

When using these new readers it is more likely that good reading results will be obtained if the barcodes are scanned with the angle of reading slightly tilted from the vertical and from a distance of 5 to 20 Centimeters. The best range will vary and does depend upon the density and scale of print used to create the barcodes. To discover the most optimum range begin by holding the scanner at a much greater distance from the barcode to be read, squeeze the trigger and at the same time slowly bring the scanner closer into the barcode until the scanner beeps to indicate a good read. Once the most optimum range has been established it should become second nature when using the 1100, 1166 and 1266 readers to scan the barcodes from this distance, holding the scanner extremely close (0 – 2 Cm) to the bar code is more likely to give poor results.

Note (1):-

When the 1166/1266 scanner has been parked in its base station for an extended period of time the RF connection can go into sleep mode (Default 10 minutes – Programmable up to 255 minutes), this is denoted by the slow flashing of the blue LED on the base station. Following this situation, the scanner will need to re-establish RF link the next time it is used, this is done automatically the first time the scanner's trigger is activated, a double low and a high beep is emitted when this is completed. Upon the RF link again being re-established normal operation can then continue, the blue LED on the base station will now be flashing rapidly. (See included program chart).

Note (2):-

Some barcode readers including the 1100, 1166 can be set to read barcodes without the need to squeeze the operating trigger (Button). This mode is known as continuous reading and is not recommended for use with the 1166 Wireless portable barcode reader because of the higher battery consumption rate necessary to support the constant illumination of the LEDs.

1. Introduction

The 1166/1266 is CipherLab Wireless scanner utilizing Bluetooth Technology. The scanner has a range of over 50 meters and a battery life is over 50 hours or 35,000 scans for1166 and over 36 hours or 26,000 scans for 1266. The difference between 1166 and 1266 is the barcode scan engine installed inside the scanner. The 1166 scanner uses CCD linear imager, whereas the 1266 scanner uses a Laser engine.

This manual contains the information for operating and configuring the 1166/1266 Wireless Barcode Scanner and is divided into two portions. The first portion describes the installation, operation and programmable features of the scanner. The second portion contains the setup barcodes used to configure the scanner.

The 1166/1266 is one of the most versatile and flexible wireless barcode scanners available today. The 1166/1266 contains all the features and functions required for up to date barcode reading. Owing to the compact design and extremely low power consumption, this scanner provides for easy installation and high product durability. The scanner will not only satisfy for the requirements needed today, but also can fulfill your long-term needs. The main functions and features are listed below.

- Barcode Readability: Most popular barcode symbologies are supported including the newest RSS Code.

- Negative barcodes supported.

- Eight scan modes supported.

- Programmable Beeping Tone

- Dual Color Indicator

- Interface Support (base unit): KB Wedge, RS232, and USB

- Bluetooth Serial Port Profile Supported: The scanner can transmit scanned data to Bluetooth enabled computer/PDA via standard Bluetooth Serial Port communication.

- Programmable Code ID: Code ID can be individually configured for each symbology.

- Programmable Length Code

- Programmable Prefix Code

- Programmable Postfix Code

- Character Substitution

- Data Editing: Data can be reorganized according to user programmable formats. Up to three data editing formats are supported.

- Extremely Low Power Consumption

2. Installation

The 1166/1266 kit contains:
A 1166/1266 wireless barcode scanner
A 3666 base
A rechargeable battery
A Serial/Keyboard/USB Cable (depending on configuration ordered)
A power supply for the base or the scanner.
Diskette containing "Scan Manager" and this manual

Note: **Please refer to chapter 5 Bluetooth Serial Port for Bluetooth Serial Port installation and configuration instructions.**

2.1 Power Up the 3666 Base Station

Connect the interface cable into the 15-pin connector at the back of the base. The interface of the cable depends on you ordered. There are three types of cables available: RS232, Keyboard or USB.

Power **off** your PC or Laptop when connect the cable to PC or Laptop. Once your cable is connected to the base, plug the other end into the appropriate port on your PC. For example, if you have a serial cable then plug into the com port of your PC, if you have a Keyboard cable then plug into keyboard port of your PC and if you have a USB cable plug into the USB port on your PC.

Connect the power supply provided to your AC outlet and plug the other end into the base then power **on** your PC.

Now you are ready to configure your scanner and base.

2.2 Power Up the 1166/1266

When you receive your 1166/1266, the battery is separated from 1166/1266. Please insert the battery into the bottom of the scanner and lock the battery by pushing the clip to power on the scanner. The scanner will beep and the LED will be on when power on.
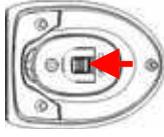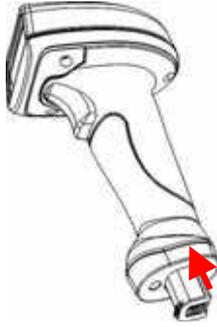
Push up to lock the battery.

Please ensure to remove the battery to power off the scanner if it will not be used for a prolonged period. The LED will be off and the power to the scanner will be disconnected.

2.3 Setup RF Connection

Upon powering up the scanner will try to establish an RF connection with its base. At this stage we need to "pair" the scanner and base.

Turn the base upside down and you will find 2 labels.

The first label has the words "SET CONNECTION" and a barcode. The second label is the serial number.

To link the scanner to the base, scan the "SET CONNECTION" barcode label, the scanner will beep once then scan the SERIAL number barcode. The scanner will beep twice, low then high beep. When it establishes RF connection with the base the scanner will then emit three short ascending beeps. Your "pairing" is established.

2.4 Charging your 1166/1266

There are three methods to charge the battery. One is placing the scanner on the base and another is inserting the battery in front of the base, and the other is inserting the power supply into the DC Jack at bottom of the scanner.

2.4.1 Scanner
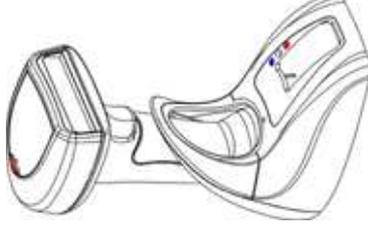
Place the scanner with a battery inserted on the base to charge your scanner. When charging, the scanner LED will flash RED. When the battery is fully charged, around 4 hours from completely empty battery, the LED stays on solid RED.

2.4.2 Battery

Insert the battery in front of the base to charge your battery with the power adaptor connected. When charging, the base charging LED will be RED. When the battery is fully charged, around 4 hours from completely empty battery, the LED will be solid GREEN.

2.4.3 DC Jack
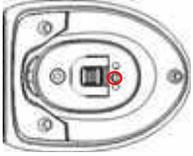
Insert the power supply to the DC Jack at bottom of the scanner. When charging, the scanner LED will flash RED. When the battery is fully charged, around 4 hours from completely empty battery, the LED stays on solid RED.

2.5 Interface Setting

Once you have "paired" the scanner and base, you need to specify the interface type to your PC. The interface settings are stored in the base. So ensure that you have RF connection between your scanner and base prior to setting the interface type. For details on selecting interfaces please refer to the relevant section in this manual.

3. General Features

3.1 Buzzer

The buzzer of the scanner beeps differently to indicate various operating conditions.

- **Power On Beep**: The scanner will issue a long beep to indicate a successful power on.
- **Good Read Beep**: The system provides four volume levels and four beeping tones (frequencies) that the user can select from to signify a good read. The available options are:

  Volume: Maximum/Loud/Medium/Minimum
  Frequency: 8 / 4 / 2 / 1 kHz

- **Error Beep**: The scanner will issue a long beep with a low tone to indicate errors.
- **Enter / Exit Configuration Beep**: The scanner will issue 6 beeps upon entering / exiting the configuration mode.
- **Setup Beep**: In configuration mode, the scanner will normally beep twice when a setup barcode is read. If the particular setup parameter needs more than one read, the scanner will only issue a short beep to indicate that there are more setup barcodes needed to complete the current parameter setting.

3.2 Indicator

There is a dual color indicator on top of the scanner. Normally it is off, and will turn red when there is a good read. The indicator will be blue when the scanner is at configuration mode.

3.3 Scan Modes

There are eight scan modes supported by the scanner. The user can choose the desired scan mode depending on the application requirements. But, if the scanner is a trigger-less scanner, only continuous mode or testing mode can be selected (other scan modes involve trigger switch interaction). The supported scan modes are described below.

- **Auto Off Mode:** The scanner will start scanning once the switch is triggered. The scanning continues until either a barcode is read or a preset scanning period (*Scanner Time-Out Duration*) is expired.

CIPHER 1166/1266 WIRELESS BARCODE READER SETUP MENU

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CIPHER RF SHUTDOWN (2)

Enter Instruction Mode

1 ||||||||||||||||||||||||

RF Auto - Shutdown

2 ||||||||||||||||

0 x 0

3 ||||||||||||||||

Validate

4 ||||||||||||||||

Enable Transmit Buffer

5 ||||||||||||||||

Update & Exit Instruction Mode

6 ||||||||||||||||

NOTE:-

The six configuration barcodes in the above column (2) "RF-SHUTDOWN" are used to instruct the 1166/1266 barcode scanner to disengage the RF Shutdown sleep mode. Usage and experience in the field has shown that this RF-SHUTDOWN feature is not necessary for library usage. It is however crucial that this sequence of barcodes are read AFTER reading the barcodes in column (1) and not before, if this order of reading is not followed it will result in the shut down period defaulting to only 10 minutes.

When scanning the configuration barcodes it may be necessary to proceed from barcode to barcode slowly to allow time for each command to be processed internally by the barcode reader. This requirement is most prominent when scanning the first and primary barcode in the column.

Proceeding through the column of barcodes too rapidly can give erroneous results. Acceptable reading is usually accompanied by an audible beep or succession of low / high beeps.

It is still recommended that the power supplied from the AC adaptor to the base station be periodically cycled to effect a reset. This should be done at least on a daily basis.

CIPHER 1166/1266 (1)

Enter Instruction Mode

1 ||||||||||||||||||||||||

Default

2 ||||||||||||||||

Intercharacter Delay

3 ||||||||||||||||

2 Ms

4 ||||||||||||||||

Validate

5 ||||||||||||||||

Disable Code 93

6 ||||||||||||||||

Disable Industrial 25

7 ||||||||||||||||

Disable Interleaved 25

8 ||||||||||||||||

Disable Codabar

9 ||||||||||||||||

Disable ISBN-10 Conversion

10 ||||||||||||||||

Update & Exit Instruction Mode

11 ||||||||||||||||

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BARCODE by DaTaMaN

CIPHER 1166/1266 WIRELESS BARCODE READER OPERATION MENU

Copyright   *DaTaMaN Barcode Systems*

Set Buzzer Frequency

Start Instruction Mode

1 | |||||||||||||||||||||||

2 kHz

2 | ||||||||||||||

Update (Exit) Instruction Mode

3 | ||||||||||||||

The standard default buzzer frequency for the Cipher 1166/1266 is set to 4 kHz.

Sometimes this frequency is found to be too harsh for certain operators. Scanning the above three bar codes in order 1 to 3 will reduce the buzzer frequency to a more acceptable level of 2 kHz.

Set Scan Mode

Start Instruction Mode

1 | |||||||||||||||||||||||

Auto Off Mode

2 | ||||||||||||||

Alternate Mode

3 | ||||||||||||||

Continuous Mode

4 | ||||||||||||||

Update (Exit) Instruction Mode

5 | ||||||||||||||

Scan Modes

In general the most common way 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 Cipher 1166/1266 range of bar code scanners can be set for a variety of scan modes, the method described above is called the **Auto Off** Mode.

Another scan mode is the Continuous Mode, this mode eliminates the need to squeeze or depress a trigger and 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 bar codes in the upper right hand column the required Scan Mode for the Cipher 1166/1266 can be set, always begin the setting by scanning the **Start** bar code followed by the bar code representing the desired Scan Mode and then finished by scanning the **Update (Exit)** bar code.

Using the Cipher Lab 1166/1266 Wireless Portable Remotely

The Cipher Lab Model 1166/1266 Wireless Portable Barcode Reader (CLWPBR) can be used either as a standard barcode reader for normal borrowing, returns, etc., or it can be used remotely from the main computer for stocktaking. When used in close proximity to the computer, the 1166/1266 CLWPBR works exactly like a standard barcode reader. For remote use the 1166/1266 CLWPBR can be used away from the computer up to a distance of 50 Metres line of sight for real time stocktaking.

PORTABLE USE FOR STOCKTAKING

When used in close proximity to the computer and set for normal operation the CLWPBR can be used for all standard operations in the library software. When used within the specified range and conditions of wireless operation the CLWBPR can be used for real time stocktaking. If however the range of wireless operation is expected to be exceeded the CLWBPR can be set for portable *memory mode* operation and can still be used for stocktaking purposes. Portable *memory mode* operation does not work properly for loans and returns.

If during the course of remote real time barcode scanning the wireless link fails due to interference or due to the range being exceeded, the barcode reader will emit an unmistakeable duel audible beep to warn the user of communication breakdown.

In these circumstances it will be necessary to take the barcode reader closer to the base station/computer and re-establish wireless connection. It is recommended that users deliberately practice this scenario to familiarise themselves with this condition before real operations, using a program like Windows Notepad or MS Word to observe barcodes being received by the computer is one suggested method.

Preparing the 1166/1266 for Portable Memory Mode Use

1.   The following instructions assume that the 1166/1266 CLWPBR has already been prepared for use, power has been applied to the base station and the RF connections have been successfully established with the receiving computer.

2.   With the use of the Dataman Operation Menu titled "Cipher 1166/1266 Wireless Barcode Reader Operation Menu" (Provided) identify the block of bar codes with the header "**Set for Data Collection Mode**". Scan the label "**Start**". This tells the reader you wish to start a configuration operation. When accepted the 1166/1266 reader will emit a distinctive double beep and will now only accept the special instruction barcodes on the menu while in this "configuration mode".

3.   Scan the label titled "**Enable Scan & Store**". This tells the reader to remember all the barcodes scanned.

4.   Scan the label titled "**Exit**". This quits the configuration mode. The reader will now operate normally and is ready to store every barcode scanned into its memory.

Scanning Items

5.   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 Scanned Items into BookMark

6.   In order to download all the items (barcodes) scanned while stocktaking, it is necessary to bring the CLWPBR back to within range of the base station/computer to establish satisfactory wireless communications.

7.   Go into BookMark. Go to <7> Stocktaking then <1>.Scan items <3> Download from portable barcode reader. Call up the screen where you would normally scan in items.

8.   Again using the Dataman supplied control chart locate the block title "**Set for Downloading Data to BookMark**". Scan the "**Start**" barcode, it is very important that at this stage the operator waits a reasonable time before proceeding (5 to 10 seconds) to give the 1166/1266 CLWPBR and its receiver time to respond to the command, a confirmation beep will be emitted. Once the operator is satisfied that the command has been accepted the remaining command barcodes may be scanned.

9.   The reader is capable of transmitting the items (barcodes) in its memory at a rate faster than BookMark can process. Therefore, it may be 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.

10.   Scan the "**Transmit Stored Data**" barcode. The reader will automatically send all the stored barcodes to the computer. BookMark will process these once you have proceeded to the next screen and deleted the bad reads and pressed the F1 key. This step can be repeated if you need to as it will not adversely affect BookMark to have repeated scans.

11.   If you are satisfied with the download, scan the "**Clear Stored Data**" barcode, then scan the "**Confirm**" barcode (wait for confirmational beep). This will erase the reader's memory and all stored items thereby allowing for a fresh set of items to be collected.

12.   Scan the "**Exit**" barcode. This puts the reader back into the memory storing mode for more stocktaking. To undertake more stocktaking the reader can be taken back to the stocktaking location and more barcode numbers can be stored. Repeat from step 5 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.   Scan the "**Start**" barcode. it is important that at this stage the operator waits a
                reasonable time before proceeding (5 to 10 seconds) to give the 1166 CLWPBR and its receiver time to respond to the command, a second beep will confirm command acceptance.
2.   Scan the "**Clear Stored Data**" barcode
3.   Scan the "**Confirm**" barcode, wait for confirmational beep.
4.   Scan the "**Disable Scan & Store**" barcode
5.   Scan the "**Exit**" barcode.

SUMMARY OF STEPS

1.   Scan the **Start** then **Enable Scan & Store** then **Exit**.
2.   Scan the items on the shelves.
3.   Scan **Start** then the **0.25, 0.5 , 1 or 2 Sec Delay**.
4.   Scan **Transmit** then **Clear Stored Data** then **Confirm** then **Exit**
5.   Repeat steps 2 to 4 as often as required.
6.   Scan **Start** then **Clear Stored Data** then **Confirm** then
        Disable Scan & Store then **Exit**.

Battery Pack:-

The Li-Ion battery pack supplied with the 1166/1266 CLWBPR is normally good for 15 - 16 hours of standard operational use before recharging becomes necessary. Parking or placing the barcode scanner into the base-station is all that is necessary to recharge the battery. The LED on top of the scanner will flash RED while it charges, when the battery is fully charged (approximately 4 hours if the battery was fully discharged) the LED will no longer flash but remain solid RED.

Note:-

These user instructions and the specially prepared control chart have been produced by *Dataman Barcode Systems* for our customers use and convenience only they are not normally supplied by the manufacturer of the Cipher Labs 1166/1266 barcode reader. These charts are only available for use with barcode equipment purchased from *Dataman Barcode Systems.*

It is recommended that the supplied A4 sheets of control and configuration barcodes are laminated to preserve their life and usablity.

CIPHER 1166/1266 WIRELESS BARCODE READER OPERATION MENU

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Set for Remote Data Collection Mode

Start Instruction Mode

1 [barcode]

Enable Scan & Store

2 [barcode]

Update (Exit) Instruction Mode

3 [barcode]

Note:-

When set for remote data collection mode the blue flashing light on the base station will revert to a slow flash, this is normal.

While in remote data collection mode direct and immediate communication with the base station will cease.

Set for Normal Operation

START (Wait for Red light to blink and 2nd response beep)

1 [barcode]

Clear Stored Data

2 [barcode]

Confirm (Wait for response beep)

3 [barcode]

Disable Scan & Store

4 [barcode]

Update (Exit) Instruction Mode

5 [barcode]

Set for Downloading Data to Computer

START (Wait for Red light to blink and 2nd response beep)

Downloading via Stand Alone Computer or Server

1 [barcode]

Downloading via Workstation

Transmit Delay

0.25 Sec	0.5 Sec
2 [barcode]	[barcode]

Transmit Delay

1 Sec	2 Sec
2 [barcode]	[barcode]

Transmit Stored Data
(Wait for confirmation of end of transmission beep)

3 [barcode]

IMPORTANT

Pause at 3 until Download has been completed. Stored data can then be cleared or retained by exiting directly. If the Update (exit) barcode is not scanned after downloading then the barcode reader will remain in program mode (green light ON) and will not function correctly for other purposes.

Clear Data if Download was Successful.

Clear Stored Data

4 [barcode]

Confirm (Wait for response beep)

5 [barcode]

Update (Exit) Instruction Mode

4 or 6 [barcode]

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