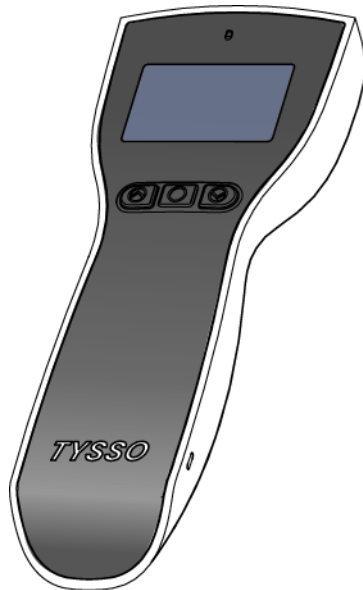


User Manual

BCP-5500

Barcode Data Collector



Ver. 1.0

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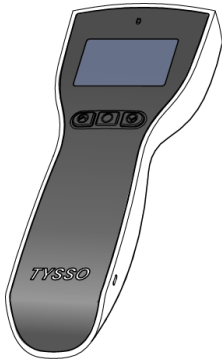
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1 Before Use

Safety Precaution

1. Read the manual carefully before use
2. Always keep the manual in proper location for references.
3. Always keep this instruction manual ready at hand for your reference
4. Install in accordance with the instructions.
5. Heed all warnings messages and notifications to avoid injury to self or people; misuse may cause malfunction or damage to the product
6. Do not operate the product and accessories near water, moisture, or dusty location; it may cause electrical shock injury or fire.
7. Do not place or operate the product near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat. It may expose the product to the danger of Fire and Explosion.
8. Clean only with dry cloth.
9. Use ONLY supplied or accessories specified by manufacturer. Use of anything other than supplied or approved accessories will void the warranty, may cause malfunction and, and may put the User or other person at risk of injury.
10. DO NOT aim the product at eyes of people or animals. Some product models use a strong light source as a scanning aid may cause serious eye injury.
11. Protect the cords or cables from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. The Service is performed by qualified service personnel only. Servicing is required when the product and/or the accessories have been damaged in any way, such as power cable or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. DO NOT disassemble or modify the product, accessories, and the components (e.g. the pre-installed rechargeable battery). It should cause damage to the product and injury to people and the warranty is terminated.

2 Introduction



The BCP-5500 is a compact and cost-effective data collector that allows its operator to collect data without distance limitation. It is the ideal device for inventory and stocktaking. By featuring the fast-responding CCD sensor and the powerful decoder, BCP-5500 is capable of performing data-collecting tasks that time is an important issue. And the stylish and easy-to-grip design is a merit for operators especially for long-time operation.

Equipped with the application software, and large internal memory, BCP-5500 offers the advantages of high-speed scanning, reliability and easy operation. In addition, it also gives the operators greater mobility for scanning those tough to reach barcodes. The embedded utility software provides users with easy data management of the scanned data that suits for variety of business needs: Inventory, Warehouse, Stock and Order Picking, and Shipping/Receiving Management.

2.1 Features

- Stylish design and light-weight
- Pre-defined data formats
- Vivid and Clear Display
- Easy operation by navigation keys
- High speed CCD scan engine
- Interface: USB or RS-232
- Rechargeable battery
(battery charge via Recharge/Communication Cradle)
- Real Time Clock; uploaded data with timestamp
- Machine ID
- Easy configuration utility
- Communication SDK

2.2 Specifications

Model	BCP-5500-C	BCP-5500-N
System		
CPU	8-bit CPU	
Memory	224KB	
OS	Proprietary	
Application Software		
Operating System Support	Windows-base (98/Me/2000/XP/Vista/Win 7)	
Programming Language	Windows-base Application Software	
Data Management	Data Management Utility Software	
SDK Software	Upload communication SDK	
Readable Bar Code	UPC-A, EAN-8/JAN-8, UPC-E, ISBN/ISSN, RSS-14, CODE 11, CODE 93, MSI-Plessey, CODABAR/NW7, CODE4, EAN-13/JAN-13, CODE 39, CODE 32, Interleaved 2 of 5/IATA, Matrix 2 of 5, China Postage, CODE 128	
Display		
Display	128x64 dot-matrix graphic LCD with back-light 18 character x 4 line, 7x18 dot display pattern	
Keypad	3 keys (2 navigation keys, and enter key)	
Buzzer	Audio Buzzer	
LED	LED Indicator	
Connectivity		
Interface	Standard RS-232 or USB (virtual RS-232)	
Transmission Rate	19200 bps	
Scanner		
Scanner Type	625nm ±10nm CCD	650nm ±10nm, Visible Laser diode
Scan Speed	100 scans/sec.	
Minimum print contrast	0.45	
Depth of Field*	3~21 cm	3~48 cm
Maximum Pitch	65+ o	
Minimum Skew	50+ o	
Minimum Bar Width	4 mil	

* The depth of field may vary due to environment conditions and barcode resolution.

Others	
Operation Battery	Rechargeable Lithium Battery Pack (1100mAh / 3.7V) battery charge via Recharge and Communication Cradle
Operating Time	Over 30 hours (approx. 45,000 scans, battery fully charged)
Material	ABS
Color	Front: Black, Body: White
Compliance	FCC class A
Weight	scanner: 136.1 g / cradle: 170.2 g
Dimension	175 x 45 x28 mm
Operating Temperature	0°C~45°C
Operating Humidity	10% ~ 85% RH non-condensing
Storage Temperature	-20°C~ 65°C
Storage Humidity	5% ~ 95% RH non-condensing

The specifications may be changed/updated without prior notice.

2.3 Package

Standard Package

Data Collector	x 1
Utility CD	x 1
Recharge and Communication Cradle	x 1
User Manual	x 1
USB Power Cable (for RS-232 interface only)	x 1

Optional Accessory:

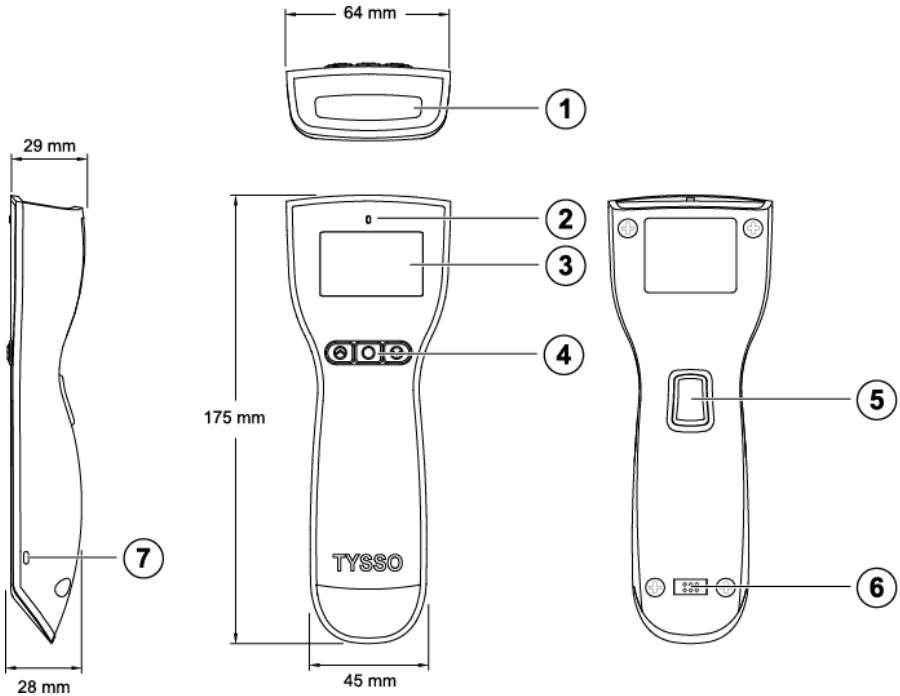
External power adapter (for RS-232 interface only)	x 1
--	-----

2.4 Product Description

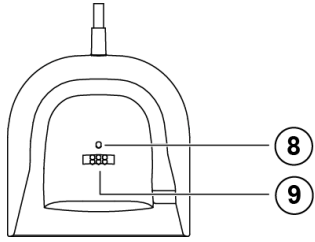
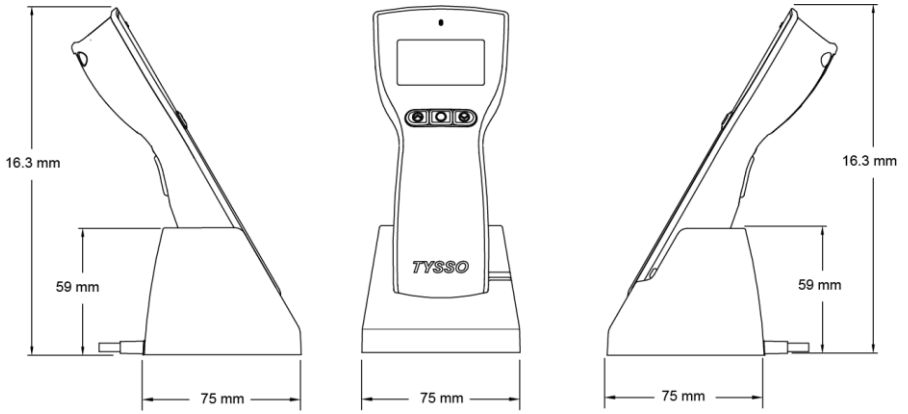
Part Descriptions

1. Scan Window
2. LED Indicator
3. Display
4. Navigation Buttons (Arrow Up/Enter/Arrow Down)
5. Scan Trigger
6. Connector to Recharge and Communication Cradle
7. Wrist Strap Hole
8. LED Indicator (Charge and Communication Cradle)
9. Connector to Data Collector Unit (Recharge and Communication Cradle)

● Data Collector Unit



● Recharge and Communication Cradle

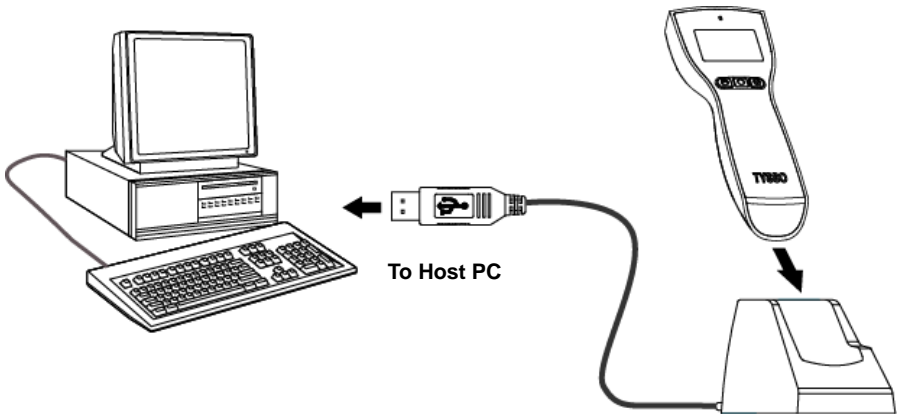


3 Getting Started

3.1 Charging the Battery

It's recommended to have the battery fully charged before use. User can charge the battery via the supplied USB Cable or via the RS-232 cable with optional external power adapter.

3.1.1 Charge the battery via USB Interface of Computer

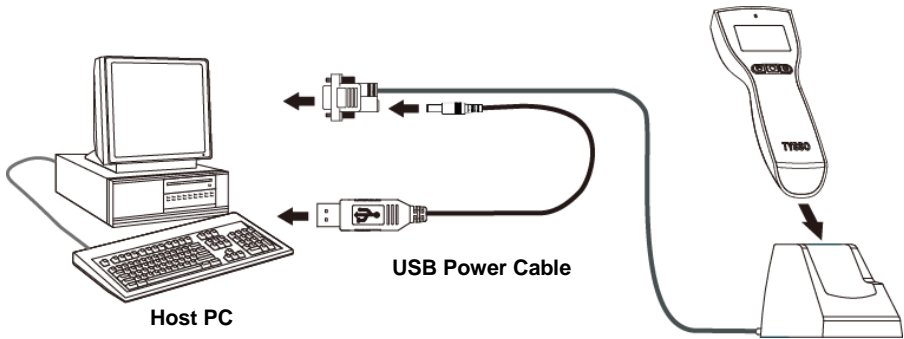


Charge the battery via USB Interface on the computer

1. Turn on the computer.
2. Connect the USB connector to the USB port on the computer.
3. Install the data collector to the recharge and communication cradle. The data collector is activated and the battery is recharging automatically (There is a beep sound and the LED indicator lit RED steadily).
4. As the battery is fully charged, the LED indicator lit GREEN to indicate the battery charge is completed.
5. Remove the data collector from the cradle. The data collector is ready to use.

3.1.2 Charge the battery via RS-232 Cable and USB Power

Cable



Charge the battery via RS-232 Interface and USB Power Cable

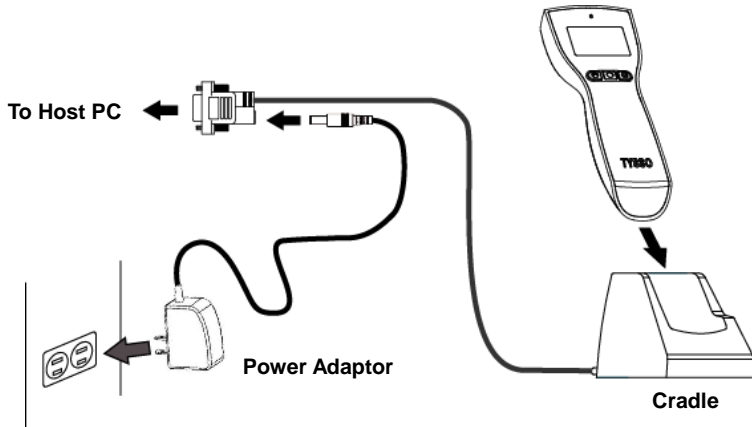
1. Turn off the computer.
2. Connect the D-type 9-pin RS-232 connector to the PC.
3. Connect the USB Power Cable to the rear DC Jack of the RS-232 connector and HOST PC.
4. Install the data collector to the recharge and communication cradle. The data collector is activated and the battery is recharging automatically (There is a beep sound and the LED indicator lit RED steadily).
5. As the battery is fully charged, the LED indicator lit GREEN to indicate the battery charge is completed.
6. Remove the data collector from the cradle. The data collector is ready to use.

Warning:

- Use only the supplied cable to charge the battery.
- DO NOT disassemble or modify the data collector and the pre-installed rechargeable battery. It should cause damage to the product and the injury to the people near the product.

3.1.3 Charge the battery via RS-232 Cable and Optional Power

Adaptor



**Charge the battery
via RS-232 Interface and Optional Power Adaptor**

1. Turn off the computer.
2. Connect the D-type 9-pin RS-232 connector to the PC.
3. Connect the barrel connector of the power adaptor to the rear DC Jack of the RS-232 connector.
4. Plug the power adaptor to the power outlet.
5. Install the data collector to the recharge/communication cradle.
The data collector is activated and the battery is recharging automatically (There is a beep sound and the LED indicator lit RED steadily).
6. As the battery is fully charged, the LED indicator lit GREEN to indicate the battery charge is completed.
7. Remove the data collector from the cradle.
The data collector is ready to use.

Warning:

- Use only the supplied cable and optional power adapter (purchased separately) to charge the battery.
- DO NOT disassemble or modify the data collector and the pre-installed rechargeable battery. It should cause damage to the product and the injury to the people near the product.

3.2 Battery Care

The pre-installed battery of the data collector is fully charged and tested in factory. To maximize the capacity and lifespan* of the battery, user should not store, charge or operate the battery under overheat temperature, moisture environments.

***Note:** The Lifespan of the rechargeable battery may vary depending on operating conditions.

3.2.1 Battery Replacement

After the rechargeable battery operating under normal conditions after hundreds of charge-discharge cycles, the lifespan of the battery will decrease. When the battery nears the end of its usable life, it is necessary to replace a new battery**.

Before replacing the battery, turn off the data collector (press and hold the scan trigger for over 5 seconds until the display is off) and unplug the cable.

1. Use a screw driver to loosen the securing screw of the back cover.
2. Remove the back cover.
3. Pull and remove the used rechargeable battery.
4. Replace with a new battery and re-install the back cover.
5. Secure the screws of the back cover with screw driver.

****Note:** Use only the authorized battery and have the battery replaced only by an authorized service provider.

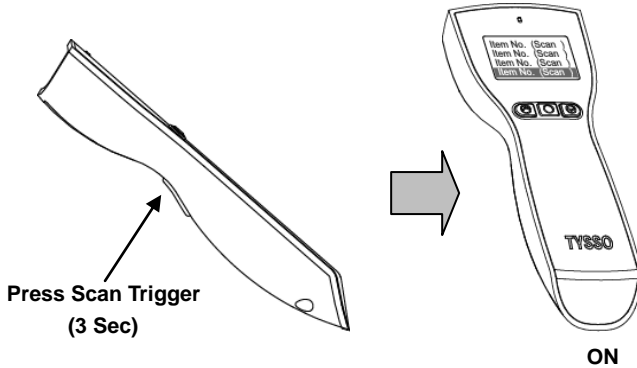
3.2.2 Battery Disposal

Recycle or dispose of used battery as stipulated by local regulations.

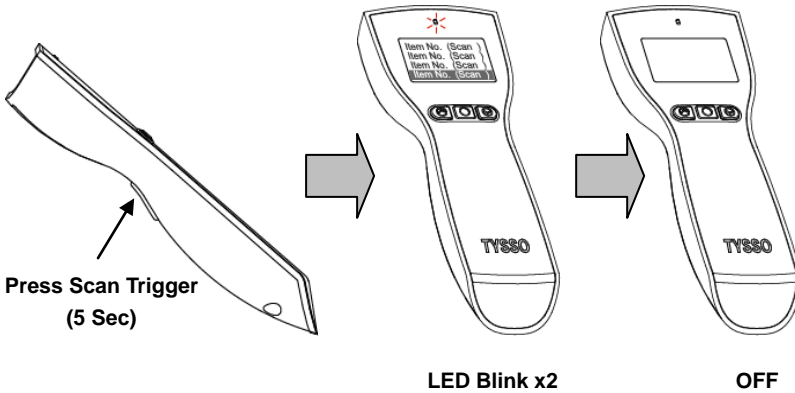
4 Operating Your Data Collector

4.1 Switch On/Off

To switch on the data collector, press and hold the scan trigger for about 3 seconds until data collector switch on.



To switch off the data collector, press and hold the scan trigger for about 5 seconds; the LED indicator of the data collector will blink RED twice and then switch off.



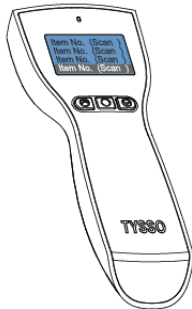
When the data collector is connected to the host PC, the data collector will switch on automatically.

4.2 Perform scan and collect data

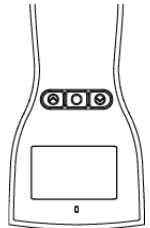
To perform the scan and collect data, switch on and aim the data collector at

the barcode and press the scan trigger; the visible red light for easy alignment will guide you to scan the barcode.

Red-Light alignment

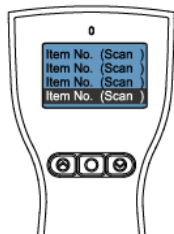
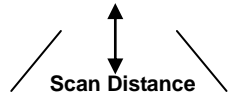


Data Collector



Point the data collector with the RED-Light alignment projected horizontally to the barcode.

Adjust the distance to capture the barcode and the beep sound will notice you that the data is collected successfully.



Scanning



DATA Collected

4.3 Job Mode

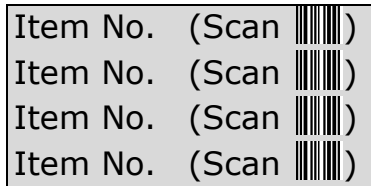
There are two job modes supported by the data collector and users can

select proper mode depending on the requirements.

You can access BCP configuration utility to configure the job mode for your data collector (please refer to “**Job Mode Selection**”, page 39)

The supported job modes are as follows:

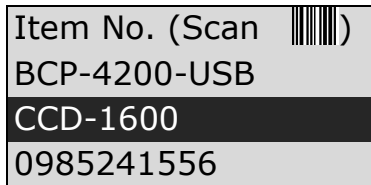
4.3.1 Mode 0 (default)






In Mode 0, data collector performs scan process and save the scanned data immediately as the scan trigger is pressed. The scanned data is displayed on the LCD and ready for scan.

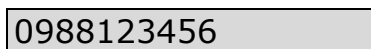
User can perform fast data collecting tasks by simply aim the data collector to the barcode and press scan triggers

■ Navigation and Data Management









User can examine the scanned data by using the Navigation Keys ( / ), and press Enter Key () to select.




■ Delete the Scanned Data



BCP-4200-USB
CCD-1600
0985241556

To delete the scanned data:

1. Press the Navigation Keys ( / ) to select the data to be deleted.
2. Press Enter Key () to confirm.
3. The display will show the detailed information of the selected data.
4. **To delete the selected data:**
Press the two Navigation Keys ( ) at the same time to delete the data.
To quit without deleting the data:
Press Enter Key () to exit.

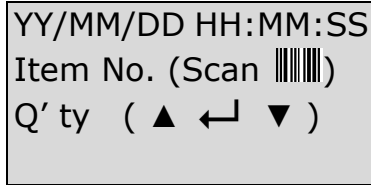
12/02/10 17:16:07
BCP-4200-USB
Delete? (No: )
(Yes:  & )

5. The display data shows the data status. The row “Data-Deleted!!!” indicates that the selected data is successfully erased.

0988123456
Data-Erased!!!
CCD-1600
0985241556

Note: Please use configuration utility to delete all the scanned data in the data collector, (refer to **Chapter 6 Configuring Your Data Collector /Data Management** for detailed information).

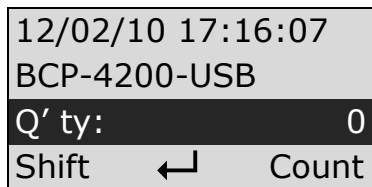
4.3.2 Mode 1 (Advance Mode)



In Mode 1, scanner performs scan process and allows user to enter item quantities manually.


■ **Scan and enter the quantity manually**

When user aim to the barcode and press the scan trigger, the display will show the scanned barcode data and ask user to enter the quantity (as image below illustrated).



To enter the quantity:


Use the Navigation Keys ( / ) to enter the numbers.


Arrow Up Key (Shift ): number digits (12 digits max)

Arrow Down Key (Count ): Count key (0~9)


Example:

To enter the 3-digits number “485”

1. Press the **Arrow Down Key (Count )** four times to enter the First Digit “4”.


12/02/10 17:16:07		
BCP-4200-USB		
Q' ty:		4
Shift		Count


2. Press the **Arrow Up Key (Shift )** to add a digit


12/02/10 17:16:07		
BCP-4200-USB		
Q' ty:		40
Shift		Count

3. Press the **Arrow Down Key (Count )** eight times to enter the Second Digit “8”.

12/02/10 17:16:07		
BCP-4200-USB		
Q' ty:		48
Shift		Count

4. Press the **Arrow Up Key (Shift )** again to add a digit

12/02/10 17:16:07		
BCP-4200-USB		
Q' ty:		480
Shift		Count

5. Press the **Arrow Down Key (Count )** five times to enter the Third Digit “5”.




12/02/10 17:16:07	
BCP-4200-USB	
Q' ty:	485
Shift	←↵ Count

6. Press the **Enter Key** () to confirm the data.

12/02/10 17:16:07	
BCP-4200-USB	
Q' ty: 485	

■ **Navigation and Data Management**

12/02/10 17:16:07	
BCP-4200-USB	
Q'ty: 485	






User can examine the scanned data by using the Navigation Keys ( / ), and press Enter Key () to select.




12/02/10 17:16:19	
CCD-1600	
Q'ty: 8	

■ **Delete the Scanned Data**

12/02/10 17:16:07
BCP-4200-USB
Q' ty: 485

To delete the scanned data:


1. Press the Navigation Keys ( / ) to select the data to be deleted.
2. Press Enter Key () to confirm.
3. The display will show the detailed information of the selected data.
4. **To delete the selected data:**
Press the two Navigation Keys ( ) at the same time to delete the data.

12/02/10 17:16:07
BCP-4200-USB
Delete? (No: )
(Yes:  & )



The display will show that the selected data is successfully erased.

Data-Erased!!!

5. **To quit without deleting the data:**

Press Enter Key () to exit.

```
12/02/10 17:16:07
BCP-4200-USB
Delete? ( No: ←↵ )
          (Yes: ▲ & ▼)
```

6. User can examine the scanned data by using the Navigation Keys ( / ), there is a mark “Data-Erased!!!” to indicate the deleted scan data.

```
12/02/10 17:16:07
Data-Erased!!!
Q' ty: 485
```

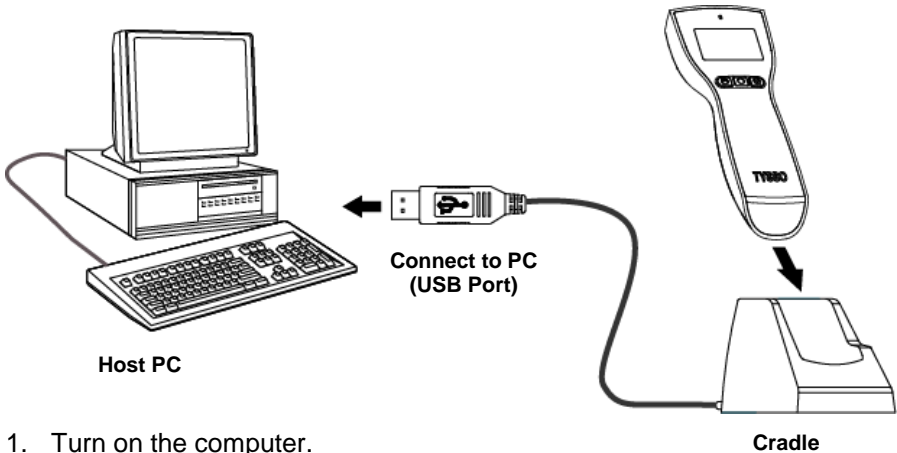
Note: To delete all the scanned data in the data collector, please use configuration utility to remove (refer to **Chapter 6 Configuring Your Data Collector /Data Management** for detailed information).

5 Connecting to the Computer

BCP-5500 supplies with configuration utility that helps user to configure the data collector settings and examine/upload the data to the computer.

5.1 Connecting to the Computer

5.1.1 USB Interface Installation



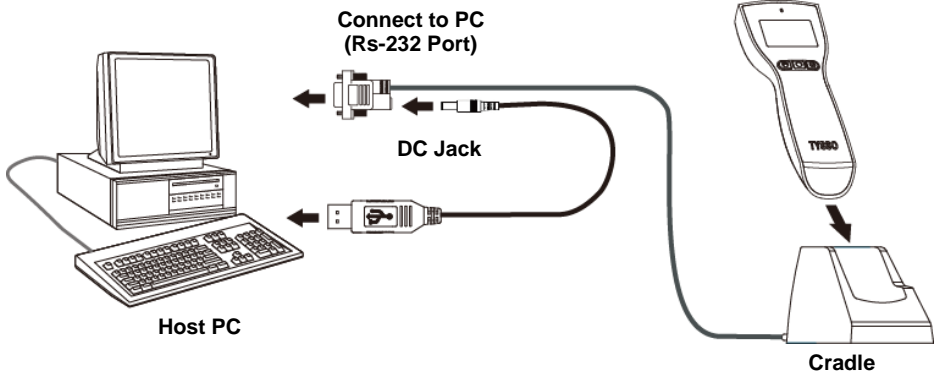
1. Turn on the computer.
2. Connect the USB connector of the cradle to the USB port on the computer.
3. Install the data collector to the cradle.
The LED indicator of the receiver (Recharge/Communication Cradle) lit RED to indicate that the receiver (cradle) is functioning.
4. Install the data collector to the cradle.
The data collector is activated automatically and a beep sound indicates that the data collector is properly installed.
5. When first connect to the computer, install the driver and Utility

Now user can initiate the Utility and perform configuration or data transmission.

Note:

- Make sure to use the correct cable that match to the proper interface
- Examine the Device Manager and select the correct COM Port number after the driver and utility is installed.

5.1.2 RS-232 interface Installation



1. Turn off the computer.
2. Connect the D-type 9-pin cable connector to the proper COM port on computer.
3. Connect the USB Power Cable to the rear DC Jack of the RS-232 connector and HOST PC.
4. Turn on the computer.
5. The LED indicator of the receiver (Recharge/Communication Cradle) lit RED to indicate that the receiver (cradle) is functioning.
6. Install the data collector to the cradle.
The data collector is activated automatically and a beep sound indicates that the data collector is properly installed.
7. When first connect to the computer, install the driver and Utility

Now user can initiate the Utility and perform configuration or data transmission.

Note:

- Make sure to use the correct cable that match to the proper interface.
- When plugging the optional power adaptor into the electrical outlet, make sure that the voltage applied to the power outlet is within the specified range of the adaptor.
Improper power source voltage range will cause damage to the power supply unit.

5.2 Driver & Utility Installation

5.2.1 Install the USB Virtual COM Port Driver (for USB interface only)

For most computers, the USB interface I/O ports are widely adapted as standard interface when connecting to the peripherals. Yet some application software can only transmit data through standard COM port.

USB Virtual COM port drivers can enable the USB port to appear as an additional COM port available to the PC; and application software can access the USB device in the same way as it would access a standard COM port.

Note: Please refer to your technical support of the application software provider and examine the computer I/O interface before installation.

1. Please browse the CD and select folder "Utility".



Catalog



Manual



Utilities

2. Move the cursor to the folder "BCP-5500" and double click to access the sub folders.



BCP-100



BCP-1100



BCP-2200



BCP-5000



BCP-5500



BCP-6000



BCP-7000



BCP-8000



BMR



BT-100



BT Scanner



FTD-100N&TD-5208N



MSR&MMSR&TMSR



PDC&MPDC&SPDC

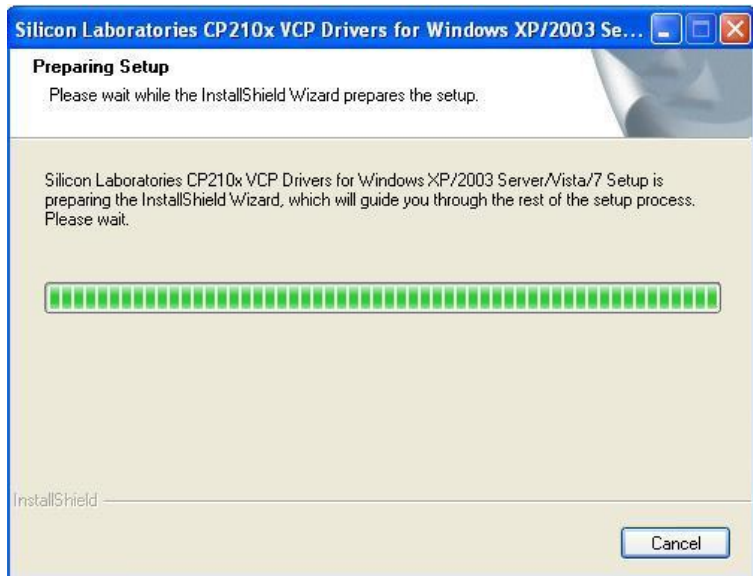


SLR

3. Select and double click the folder "BCP Driver" to access the folder.

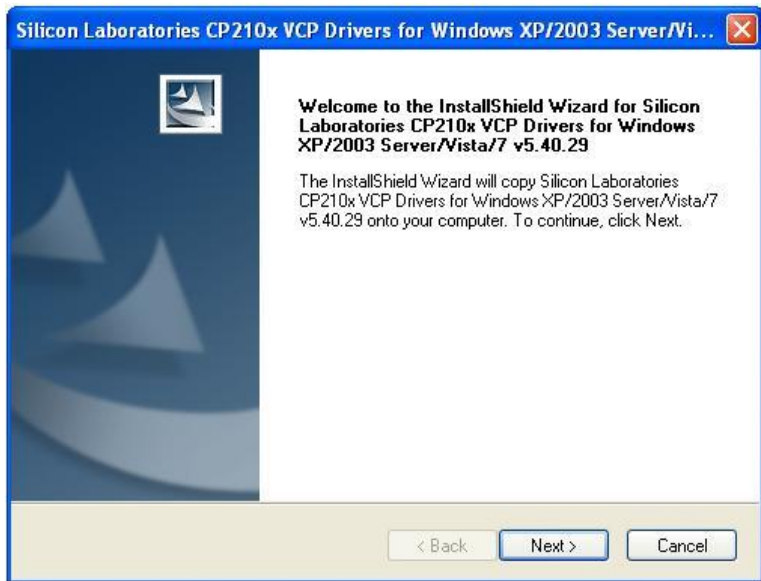


4. Double click the file to start the installation.

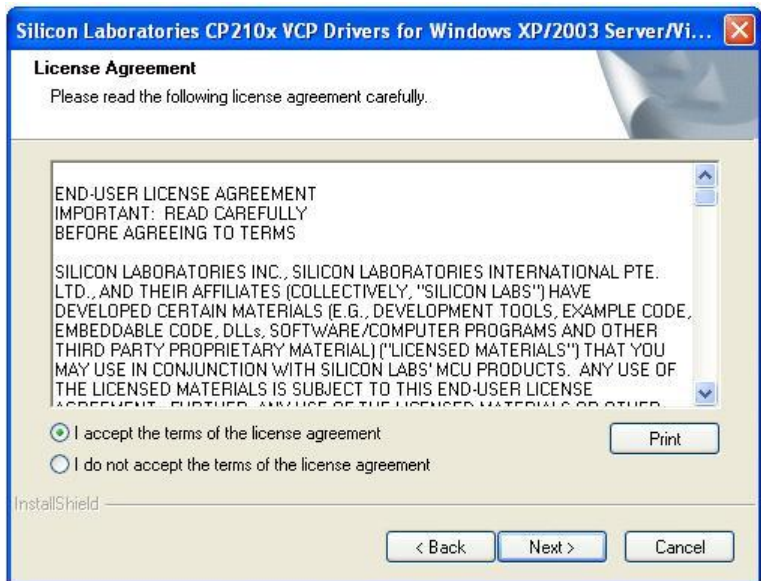


5. Install Wizard is initiated and prepares to install.

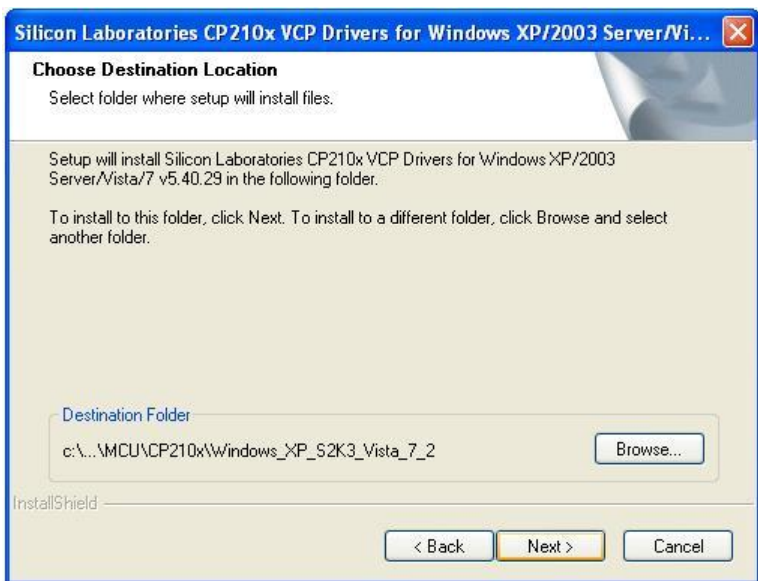
Click “Next” to continue.



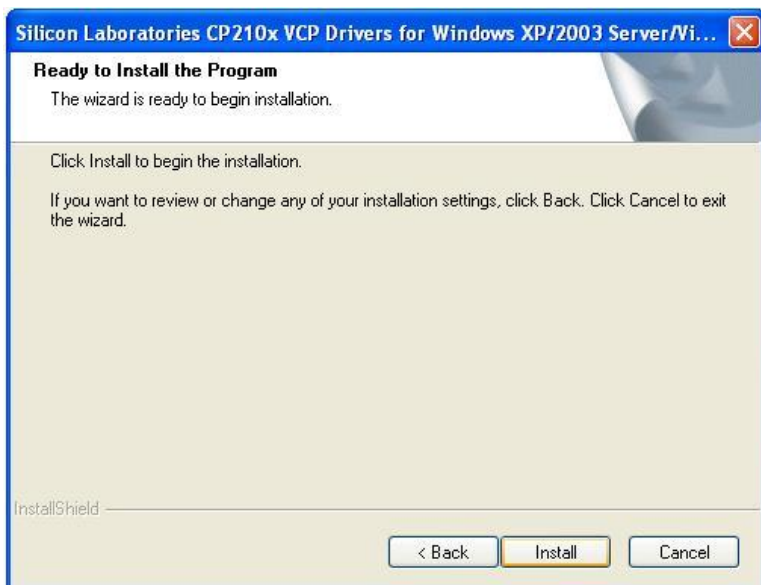
6. License Agreement. Accept the agreement and click “Next” to proceed.



7. Choose destination. Click “Next” to continue.



8. Click “Install” to start installation.



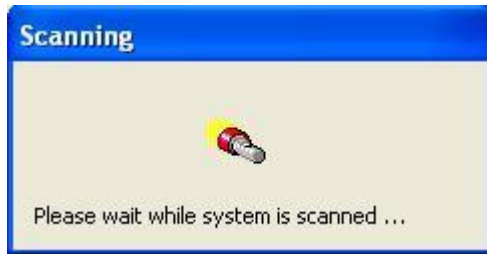
9. Install Wizard is finished. Click “Finish” to proceed.



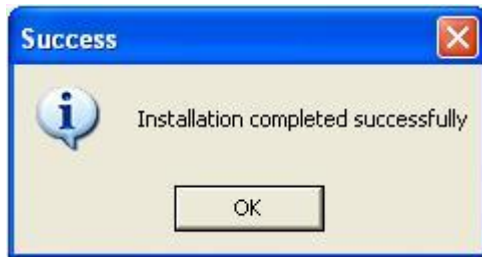
10. Here we need to install the USB to UART Bridge driver. Click “Install” to continue.



11. The system is scanning the port configuration.

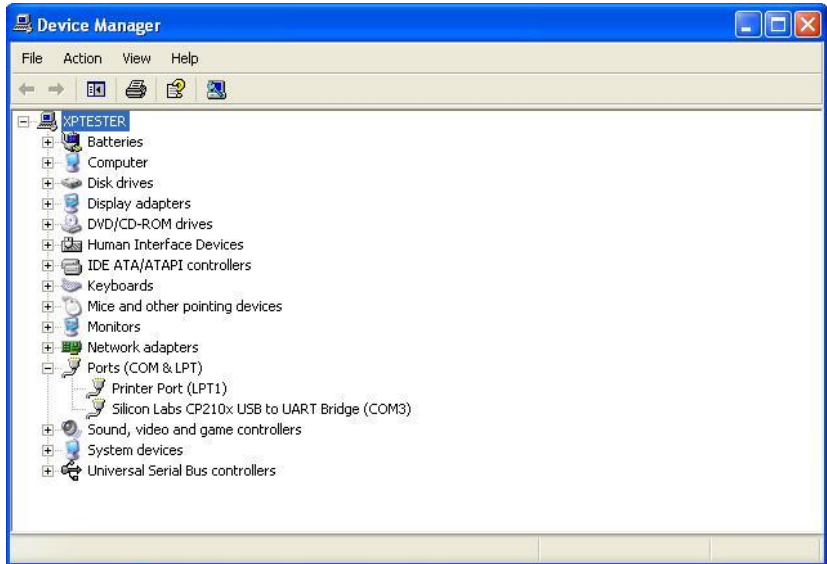


12. The USB to UART driver is successfully installed.
Click "OK" to exit.



13. **COM Port:**

User can examine the “Device Manager” of the system and find the section “Ports (COM & LPT)” to find the USB to UART Bridge (virtual COM port) for USB interface.

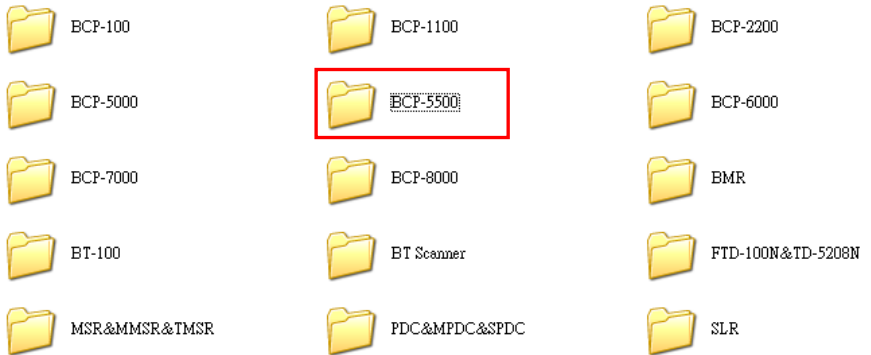


5.2.2 Utility installation

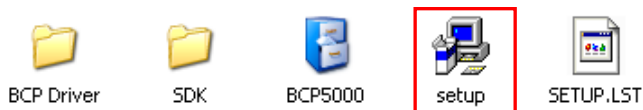
1. Please browse the CD and select folder “Utility”.



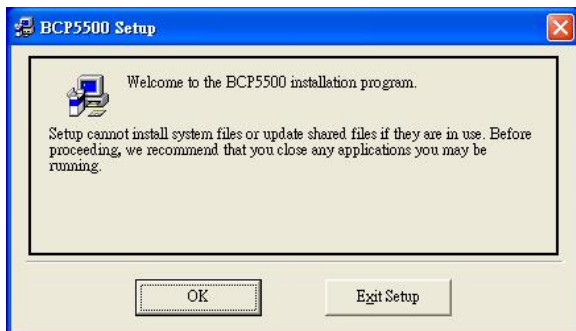
2. Move the cursor to the folder “BCP-5500” and double click to access the sub folders.



3. Double click the “Setup” to start installation.



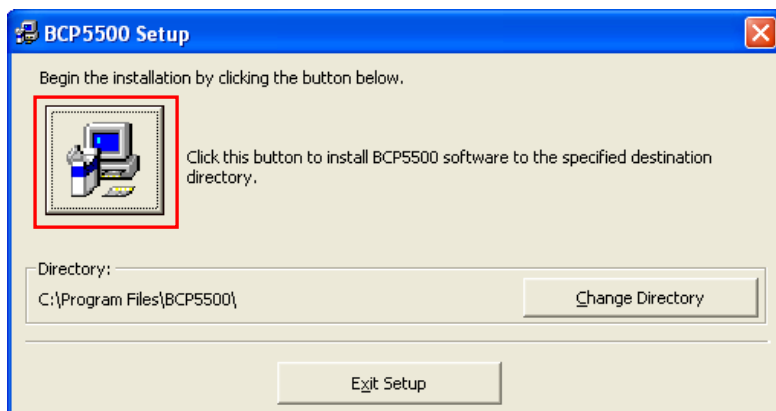
4. Click “OK” to proceed.



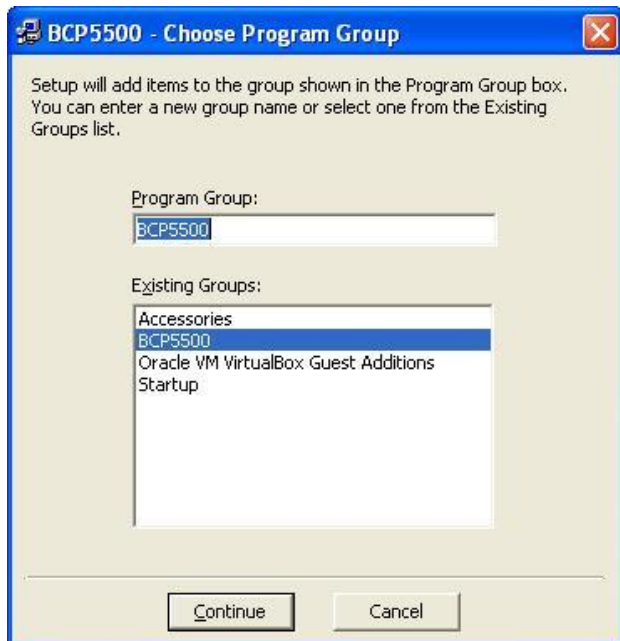
- Click the button to start installation.

Note:

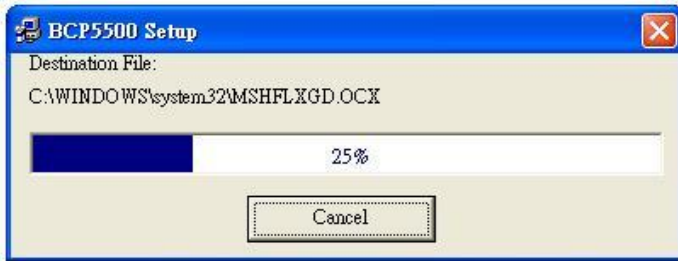
To change the directory, click “Change Directory” to assign the directory desired.



- Setup will add group name “BCP5000” to the group box automatically. Click “Continue” to proceed.



7. Wait for several seconds while the installation is processing.



8. Installation completed. Click "Ok" to exit.

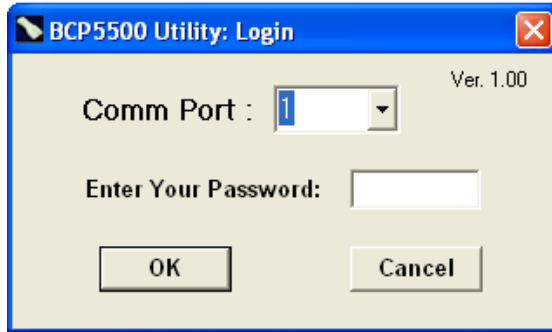


6 Configuring Your Data Collector /Data Management

The configuration utility provide user with easy configurations of barcode settings, function settings and operating modes according to user requirement.

User can upload and examine the scanned barcode data via the configuration utility.

6.1 Access to the Utility



- **Comm Port:** Select the proper COM port to establish the communication between the computer and the data collector.

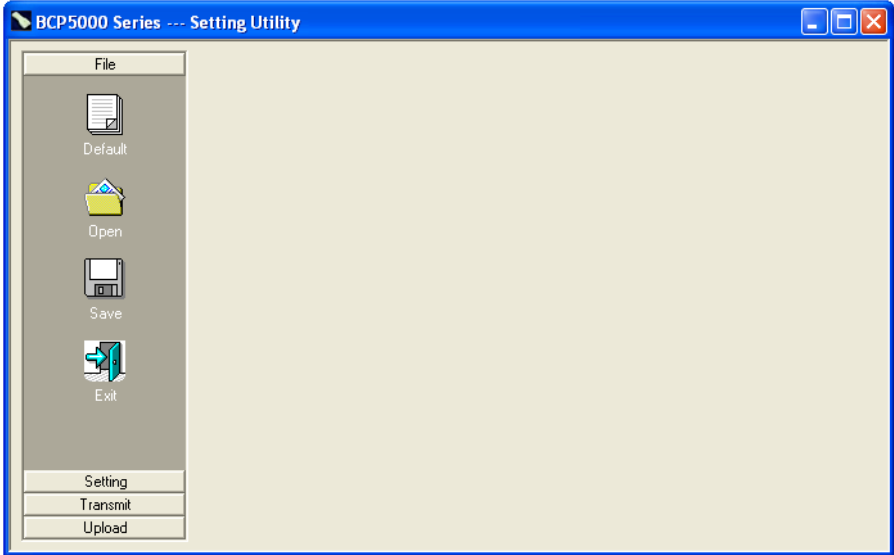
Note: Select the correct COM Port

Select the proper COM port so as to establish the connection to the data collector.

- **Password:** Only authenticated and authorized users should be able to access the utility. Please refer to “**Change Password**” (page 47) to change the password.

6.2 File

There are selections to manage the configuration parameter files. Users can save or load the configuration parameter files according to the applications required.



- **Default:** this function allows user to restore the data collector to the factory preset. Remember to perform "Transmit" to transmit default settings to the data collector.
- **Open:** this function allows user to reload the configuration parameter file previously saved in order to restore the specified settings of the data collector (*.msr). Remember to perform "Transmit" to send the configured settings to data collector.
- **Save:** this function allows user to save all the specified settings of the data collector to a configuration parameter file (*.msr).
- **Exit:** exit the configuration utility.

6.3 Setting

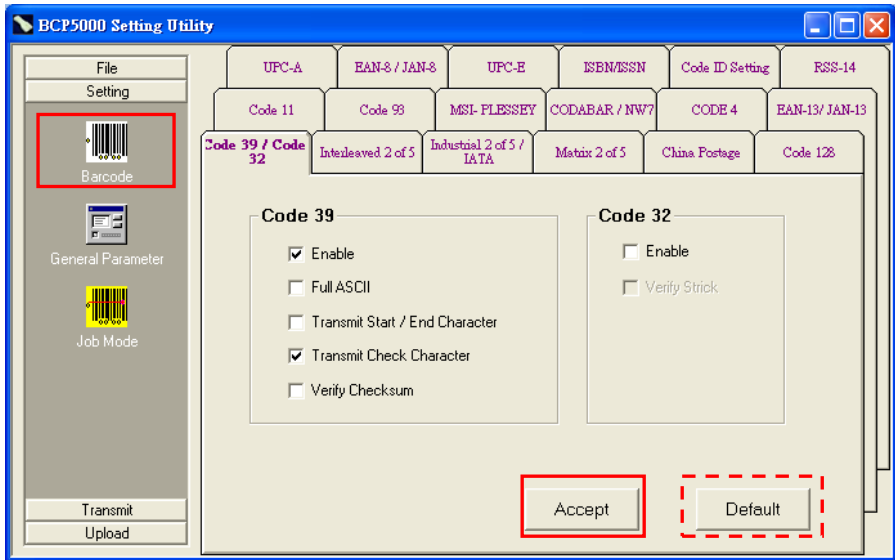
The functions of Setting allow user to configure the proper settings of the data collector.



- **Barcode:** the settings of the supported barcodes.
- **General Parameter:** user can select the conversion of the scanned data in upper/lower case, and the buzzer settings.
- **Job Mode:** user can define the prompt character at the end of each scanned barcode data.

6.3.1 Barcode

The function allows user to configure various types of barcodes. User can enable or disable the specified barcode, and configure the parameters according to the characteristics of each barcode.



To configure the parameters of the barcode:

1. Select and click the icon to access the menu.
2. Select the barcode type desired and configure the barcode settings (enable/disable, check character...etc).
3. Click “Accept” to complete the barcode selection.

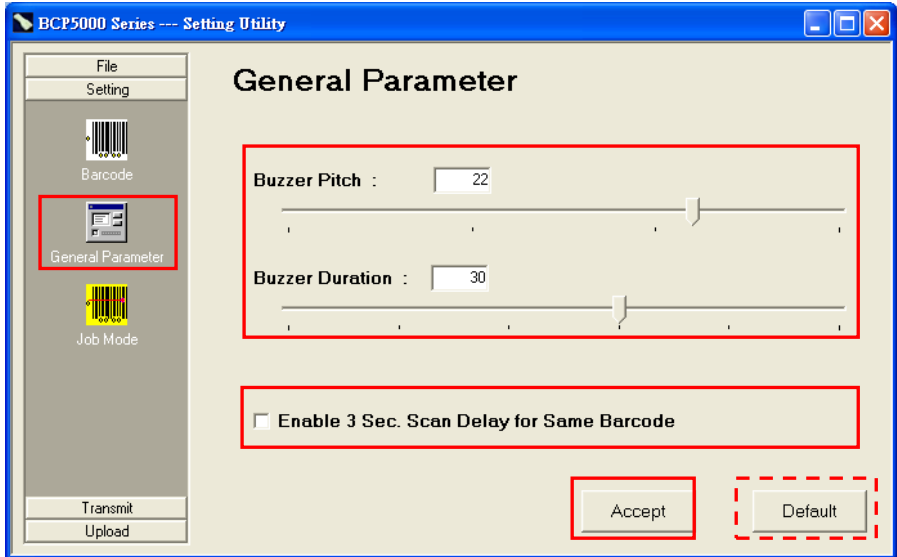
Note:

Select “Default” to discard all the barcode setting and restore to the default settings of barcode.

Be sure to perform “**Transmit**” to apply the setting to the data collector.

6.3.2 General Parameter

The function allows user to configure the audio notification of the data collector, and the scan interval



- **Buzzer Setup:**
Move the arrow (buzzer pitch or buzzer duration) to adjust the sound of the data collector.
- **Enable 3-Sec. Scan Delay for Same Barcode:**
This function can prevent user from pressing the trigger accidentally and scan the same barcode twice.
The data collector may not save the data as if the same barcode is scanned twice within 3 seconds.
- **Accept:** Click “Accept” to complete the selection.
- **Default:** Select “Default” to discard all the present settings and scanned data of the data collector and restore to the factory default settings.

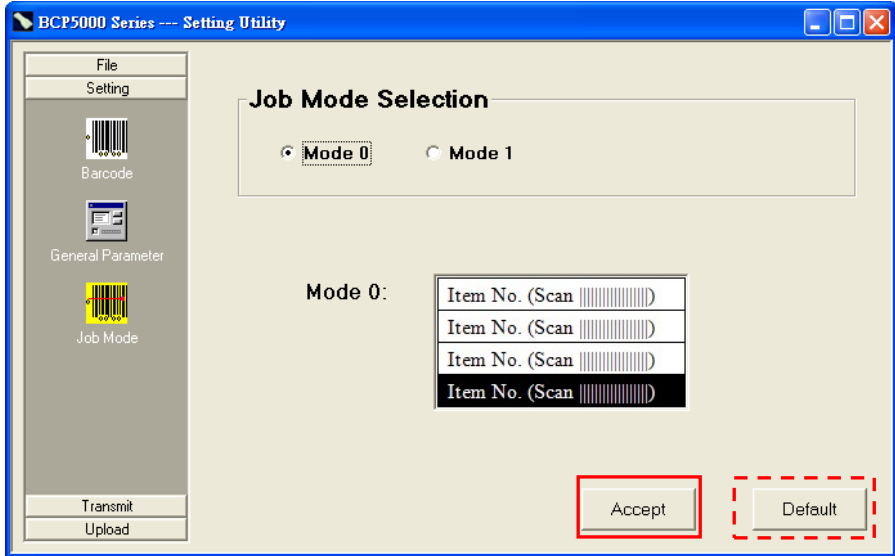
Note:

Be sure to perform “Transmit” to apply the setting to the data collector.

6.3.3 Job Mode Selection

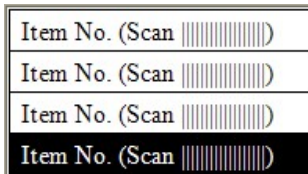
The function allows user to select the operating modes (Mode0 / Mode 1) according to the applications and task required.

Please refer to **Job Mode** (page 14) for detail instructions.

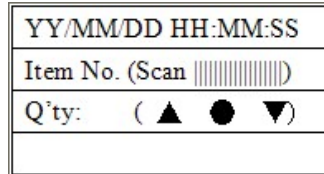


To select the Job Mode desired:

1. Click the mode required. The menu will display the data format of the job mode.



Mode 0



Mode 1












2. Click "Accept" to complete the selection.
3. Click "Default" to restore to the default settings of job mode (Mode 0).

Note:

Be sure to perform "Transmit" to apply the setting to the data collector.

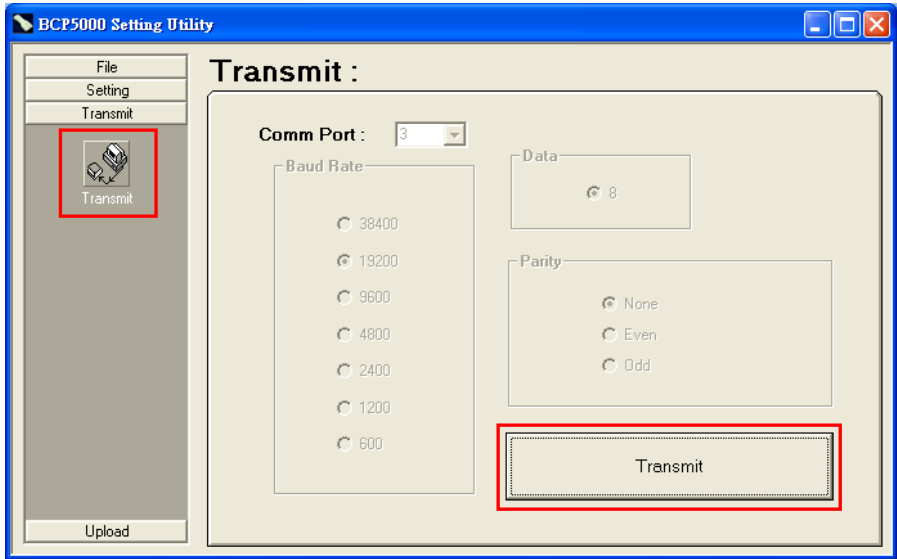
Customized Mode (Data Format):


There are more customized data formats available (as the image below illustrated). Please refer to the local representative for further information.

Item No. (Scan ) Qty : (▲ ◀ ▼) Site (Scan )	YY/MM/DD HH : MM : SS Item No. (Scan ) Site (Scan )	Item No. (Scan )
YY/MM/DD HH : MM : SS Item No. (Scan ) YY/MM/DD HH : MM : SS Item No. (Scan )	YY/MM/DD HH : MM : SS Item No. (Scan )	Item No. (Scan ) Item No. (Scan )
YY/MM/DD HH : MM : SS Item No. (Scan ) Qty : (▲ ◀ ▼)		

6.4 Transmit

The function allows user to transmit the configured settings to the data collector. Perform the function after all the new settings are configured.



1. Click the icon "Transmit"  to access the menu.
2. Make sure the scanned data is uploaded or new settings are configured before perform transmission.

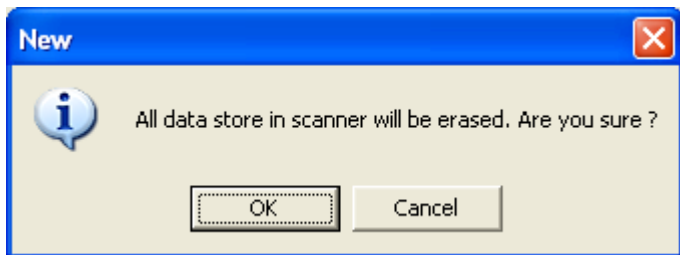
Warning:

All the data stored in the data collector will be erased when performing the transmission.

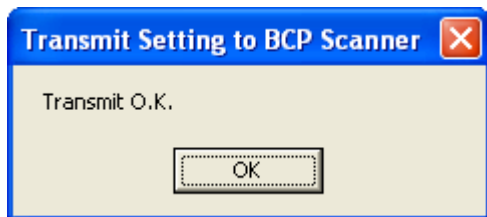
And the settings of the data collector, if re-configured, will be replaced as well.

Make sure to upload the scanned data, complete and save the configuration values before performing data transmission.


3. Click "Transmit" button..

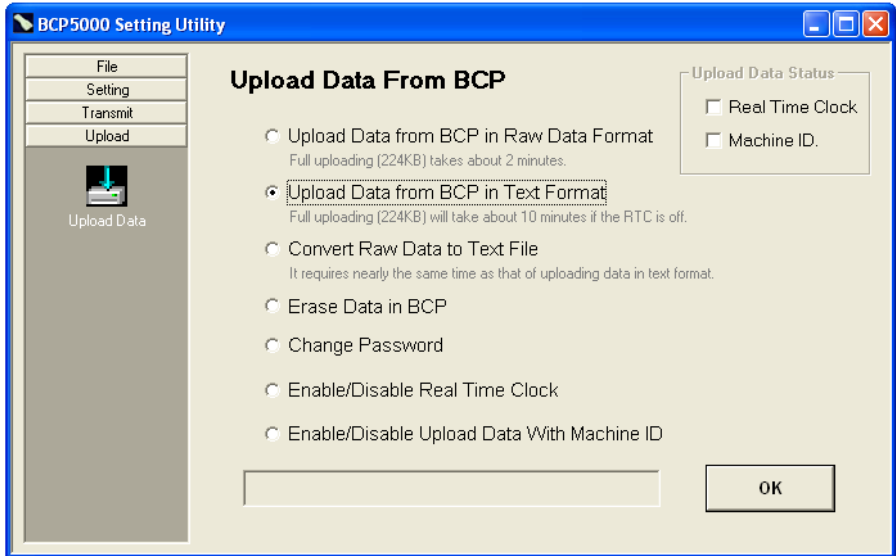


4. There are descending beeps and a pop-up window displays on the monitor to indicate that the transmission is completed. Click "OK" to exit.



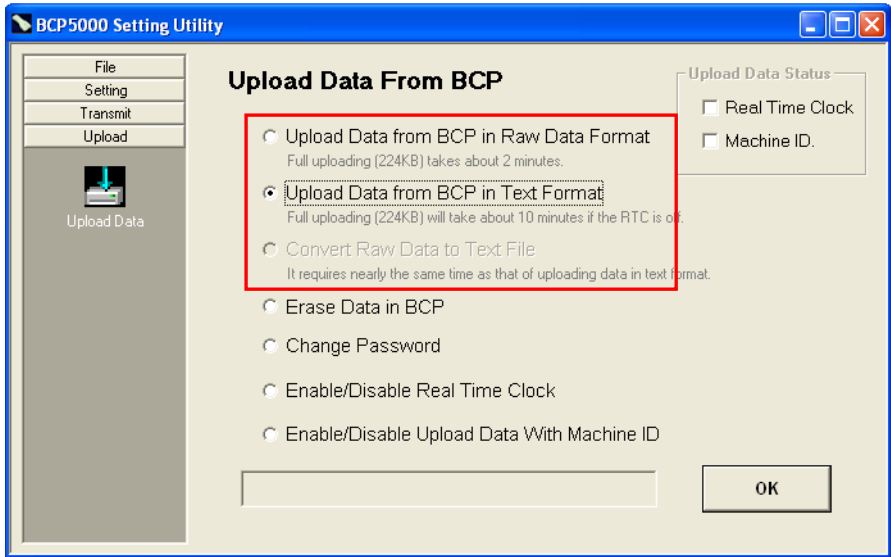
6.5 Upload the Data to the Computer

The function allows user to upload/examine the data collected by the data collector. Click the icon “Upload Data”  to access the menu.

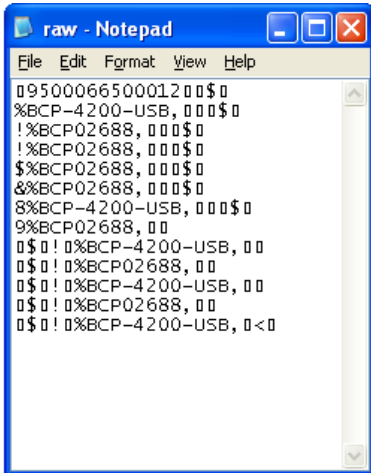


6.5.1 Upload the Data

This function allows user to upload and save the data as raw data format or text file.

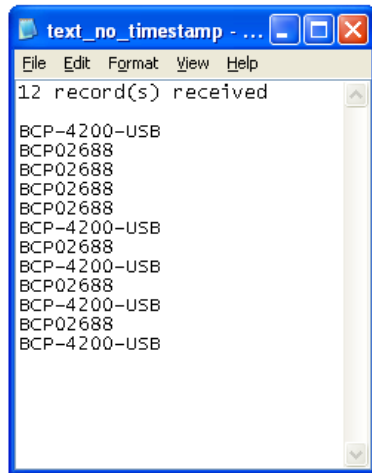


- **Upload Data from BCP in RAW Data Format:**
Upload and save the data records in raw data format.
- **Upload Data from BCP in Text Format:**
Upload and save the data in text file directly.
- **Convert Raw Data to Text File:**
The uploaded raw data can be converted to text file after
Convert the uploaded raw data to text file.
This function is selectable only after the Raw Data is
uploaded.



```
0950006650001200$0
%B%CP-4200-USB,000$0
!%B%CP02688,000$0
!%B%CP02688,000$0
$%B%CP02688,000$0
&%B%CP02688,000$0
8%B%CP-4200-USB,000$0
9%B%CP02688,00
0$0!0%B%CP-4200-USB,00
0$0!0%B%CP02688,00
0$0!0%B%CP-4200-USB,00
0$0!0%B%CP02688,00
0$0!0%B%CP-4200-USB,0<0
```

Uploaded Data (Raw Format)



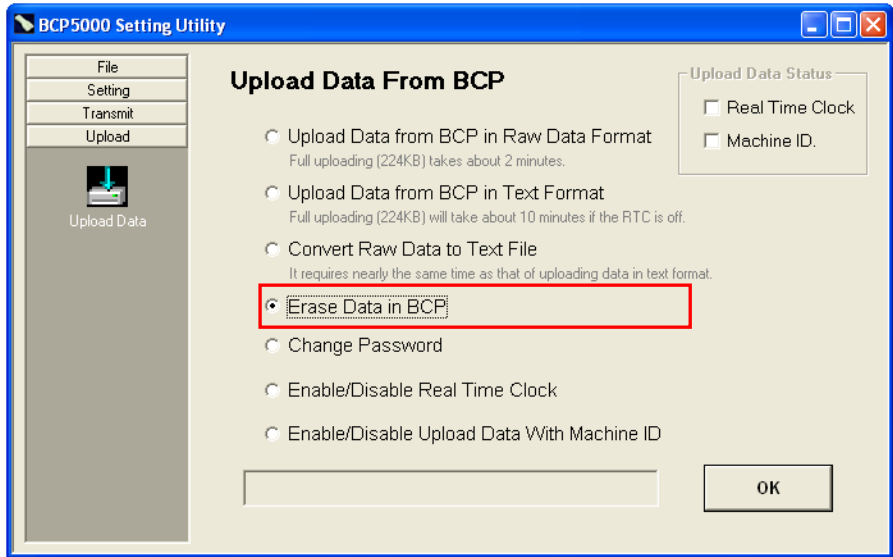
```
12 record(s) received

BCP-4200-USB
BCP02688
BCP02688
BCP02688
BCP02688
BCP-4200-USB
BCP02688
BCP-4200-USB
BCP02688
BCP-4200-USB
BCP02688
BCP-4200-USB
```

Uploaded Data (Text Format)

6.5.2 Erase Data in BCP

This function is to erase the scanned data in the data collector.



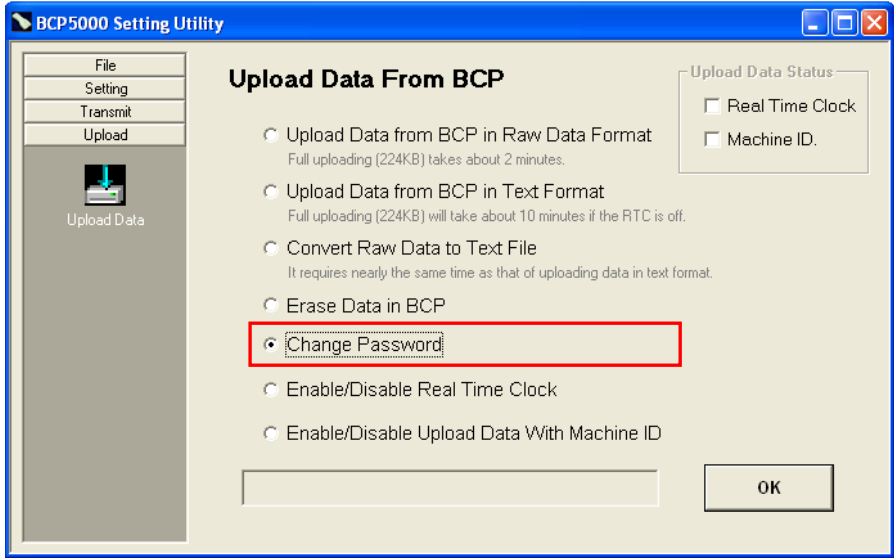
Warning:

It is impossible to recover the data after the data are erased.

Make sure to upload and save the records before execute this function.

6.5.3 Change Password

This function allows user to assign or change the password (0~8 characters) when accessing the utility. By enabling this function, only the authorized user can access the utility to configure the data collectors and perform data management.

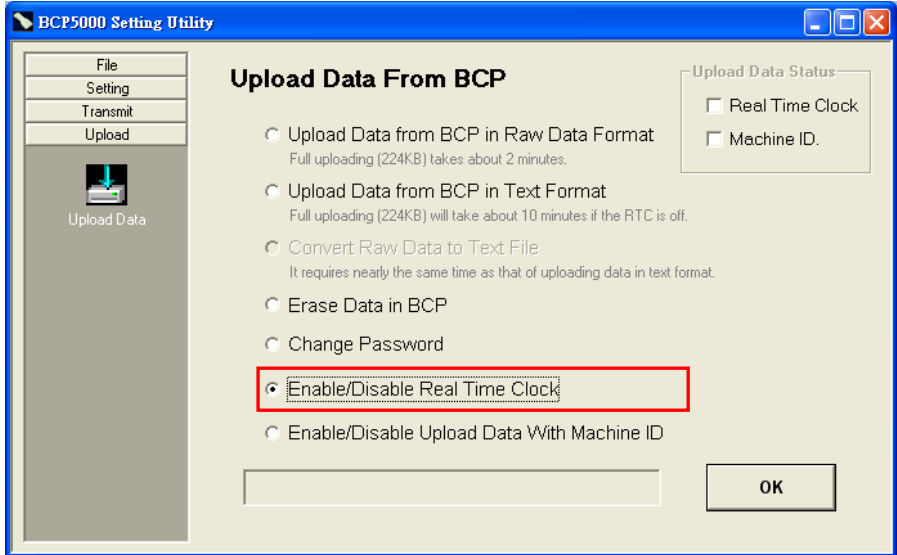


1. Select “Change Password” and click “OK” to continue.
2. Enter the current password to the field of pop-up window.
3. Enter the new password and enter again to confirm the change. Click “OK” to complete.

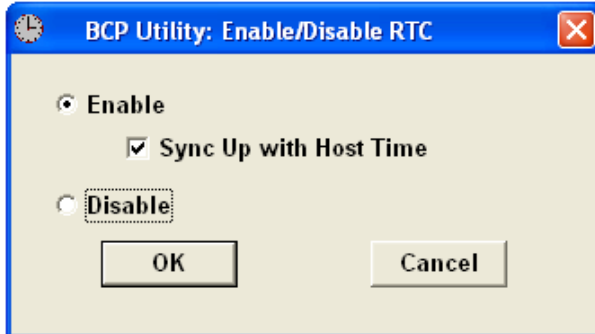


6.5.4 Enable/Disable Real Time Clock (Timestamp)

This function allows user to synchronize the time of your data collector to the computer and add the timestamp to the data.



1. Select "Enable/Disable Real Time Clock" and click "OK" to continue.
2. Click "enable" to initiate the Real Time Clock (RTC).

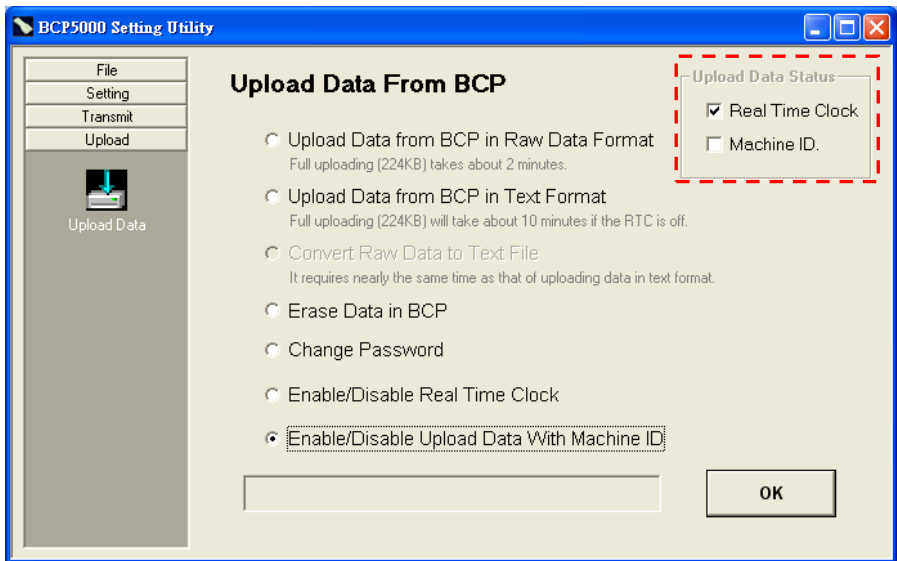


3. It's recommended to perform the time synchronization with the computer (Host PC).
Click "Sync Up with Host Time" to confirm
4. Click "OK" to complete.

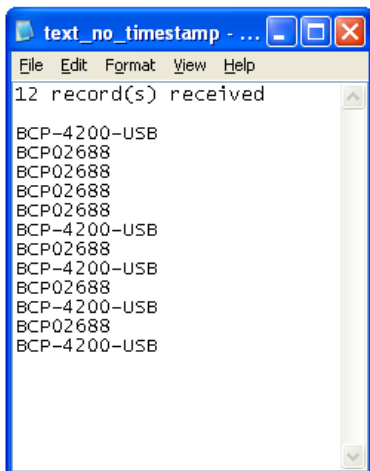
5. The pop-up window indicates that the Real Time Clock function is enabled and the time stamp is added to the data stored in the data collector.



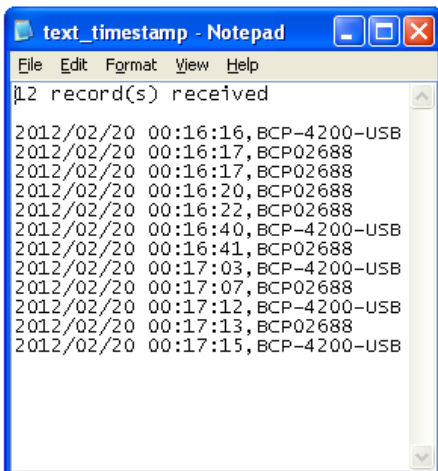
6. The Upload Data Status indicates the Real Time Clock is activated.



User can perform **Upload the Data** (page 44) and the records have timestamp added.



Uploaded Data (without Timestamp)

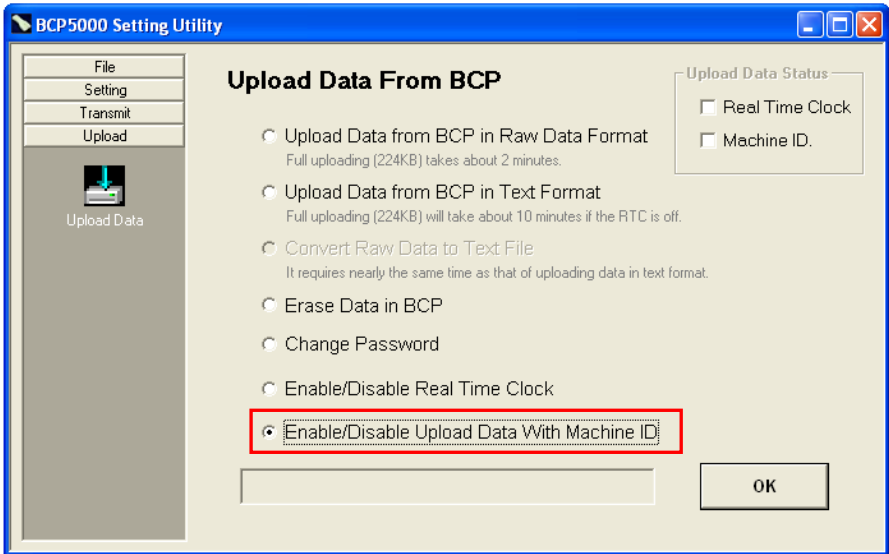


Uploaded Data (with Timestamp)

6.5.5 Upload Data with Machine ID

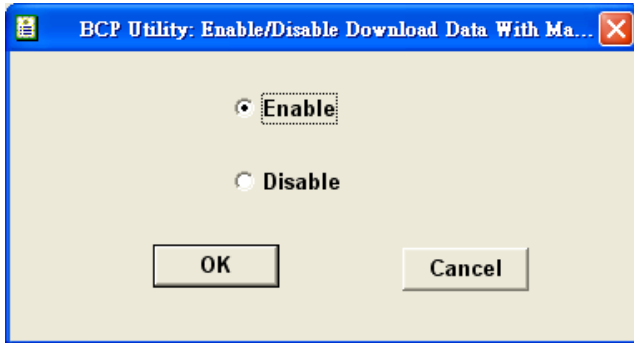
This function allows user to enable/disable Machine ID while uploading data to the computer. Each data collector has the fixed machine ID (preset in factory)

When the data-collecting task is in process with multiple data collectors, it is convenient to identify the uploaded data by the machine ID of each data collector. And with the machine IDs, the data management is effortless and efficient.

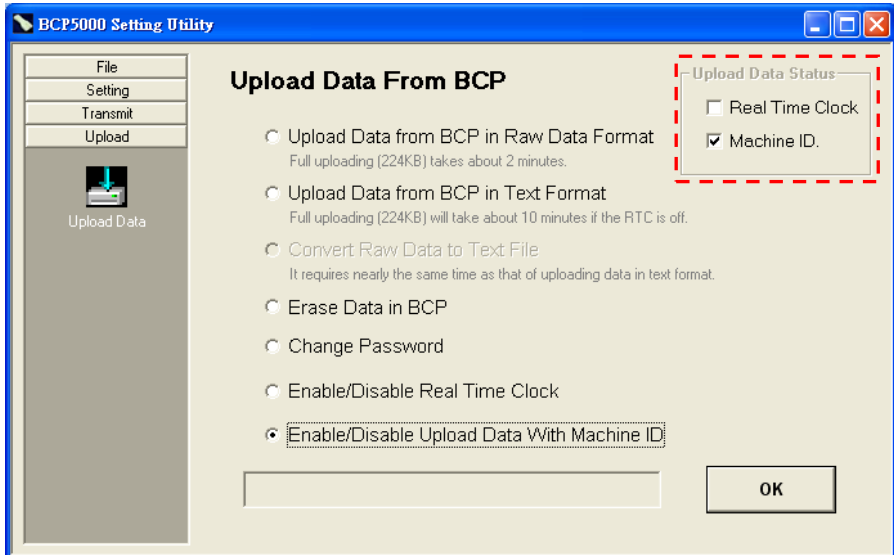


To enable/disable the Machine ID setting:

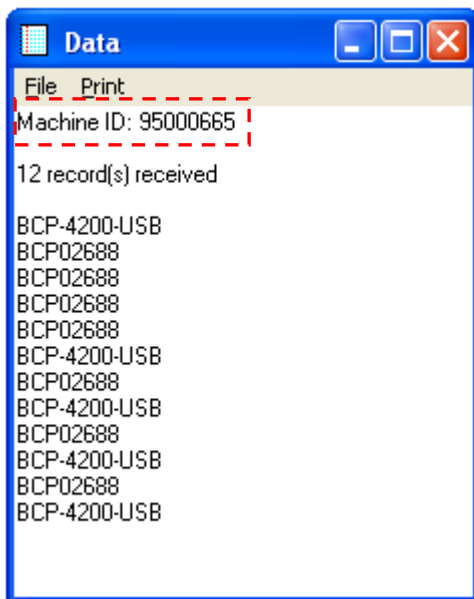
1. Select "Enable/Disable Upload Data With Machine ID" and click "OK" to continue.
2. There is a pop-up window displays on the monitor. Select "Enable" and click "OK" to confirm.



3. The Upload Data Status indicates the Machine ID is activated.



User can perform **Upload the Data** (page 44)Upload the Data.
The machine ID is added to the uploaded data.

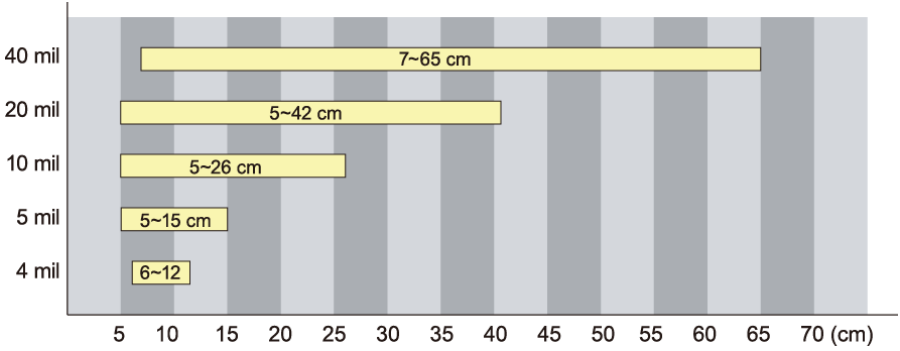


Uploaded Data (with Machine ID)

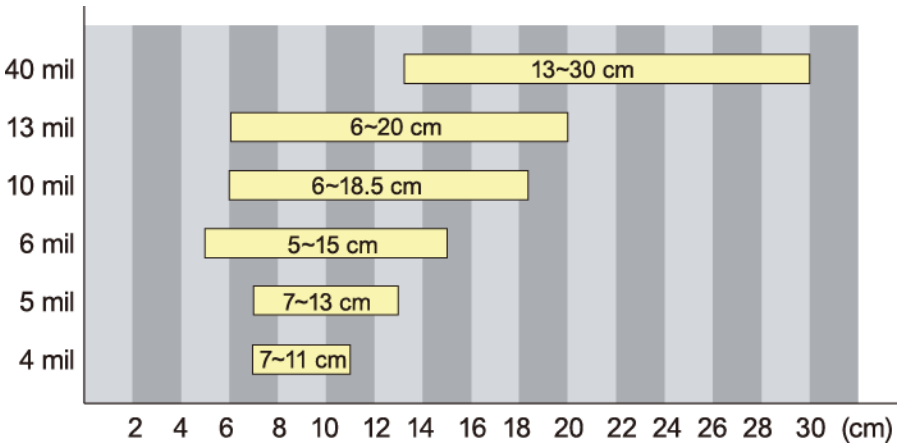
7 Appendix

Scan Zone

BCP-5500-N



BCP-5500-C



Status Indicator

The following table shows what the LED status indicators and Audio Indicators are for and what the different colors or blinking of the lights mean.

Basic Operation

Status/Operation	Data collector	
	LED Indicator	Audio
Turn ON	----	----
Turn OFF (keep pressing scan trigger for 3 sec)	Blink RED twice	----
Scan	Blink GREEN	1 beep sound (scan trigger pressed)

Connecting to Computer (via Recharge/Communication Cradle)

Status/Operation	Data collector	
	LED Indicator	Audio
Connecting to computer (Battery Charge)	Lit RED steadily	1 beep sound
Transmit Success (Configuration)	Blink GREEN	7 Descending beep sound

Battery Status

Status/Operation	Data collector	
	LED Indicator	Audio
Battery Charge (Connect to computer)	Lit RED steadily	1 beep sound
Battery Charge Full	Lit GREEN steadily	---
Battery Low	----	2 beeps sound (scan trigger pressed)

Memory Full

Status/Operation	Data collector	
	LED Indicator	Audio
Memory Near Full (scan trigger pressed)	Blink RED/Blink GREEN	1 beep sound
Memory Full (scan trigger pressed)	Lit RED steadily	Continuous beep sound

