

WIRELESS INVENTORY HANDHELD

USER'S Manual

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CHAPTER I BRIEFING

1.1 Package List

1. Handheld 1 ;
2. USB mini-receiver 1;
3. Mini-USB cable 1;
4. Charger 1.

1.2 Safety Cautions

Please read the following concise rules. Violation of these rules may cause danger or infringement of the law.



Boot in safety: Don't switch on the handheld when wireless device is forbidden or is to cause interference and danger.



Interference: all wireless devices may be subject to radio interference which may affect their performance.



Fare use: the handheld can be only used in the purpose described in this manual.



Maintenance: only technically qualified person can disassemble the handheld.



Accessories and battery: use only approved accessories and battery. Don't connect to inconsistent products.



Water-proof: the handheld is not water-proof, please keep it dry.




Data backup: please make a backup for the data saved in the handheld.



Connection: If in need of connecting to other devices, please obtain necessary safety instructions from their manual or manufacturer. Never connect to an inconsistent device.

1.3 Battery Charging

1.3.1 battery icon: a battery icon  displays on top right of the screen to show the battery power. When the battery voltage is lower than 3.6V, the Handheld shuts down automatically.

1.3.2 battery charging: simply plug one end of the charger into the power outlet (AC110-240V) and the other end into the Handheld. In power-off condition, a battery icon will blink on the screen. If the battery icon is at rest, it indicates that the battery is full or the battery is not installed.

CAUTIONS:

- (1) The Handheld accepts only authorized battery and charger;
- (2) Battery may self-discharge. Please charge up the battery before use if the battery stands idle for a long period;
- (3) If a fully charged battery's life goes short greatly, please replace the battery with a

new one;

(4) Do not impact, shock or throw the battery violently, or it may cause leakage, damage or even explosion.

1.4 Battery Installation

1.4.1 Remove battery cover. Turn the Handheld to its back, put some stress on the battery cover, then push it downward as following picture shows:



1.4.2 Load battery. Make sure the metal contacts on the battery and the Handheld are in the same position as the following picture shows:



1.4.3 Refit battery cover. Put some stress on the cover to fit it back to its place, then push upward as the following picture shows:



1.5 Accessories




CHAPER II FUNCTIONS & OPERATIONS

2.1 Overview



2.2 Basic Operation

2.2.1 Bootup

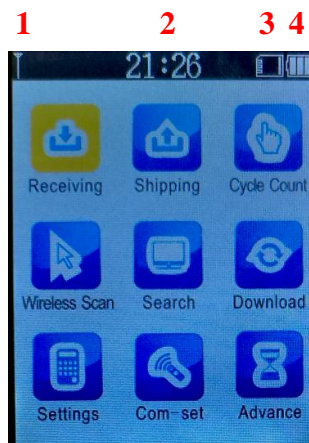
Make sure the battery is properly loaded and fully charged. Long press the power button  until the screen lights up.

2.2.2 Shutdown

Hold down the power button  till the screen turns off.

2.2.3 Menu Description

1. Signal strength
2. Time
3. Memory used
4. Battery level



Note: It is a shortcut pressing the keypad number to enter the corresponding menu item.

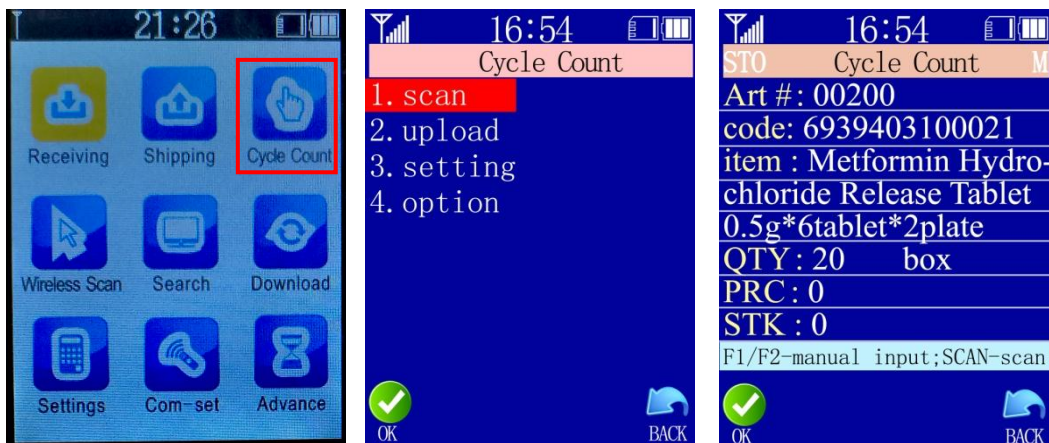
2.3 Main Functions

2.3.1 Receiving/Shipping

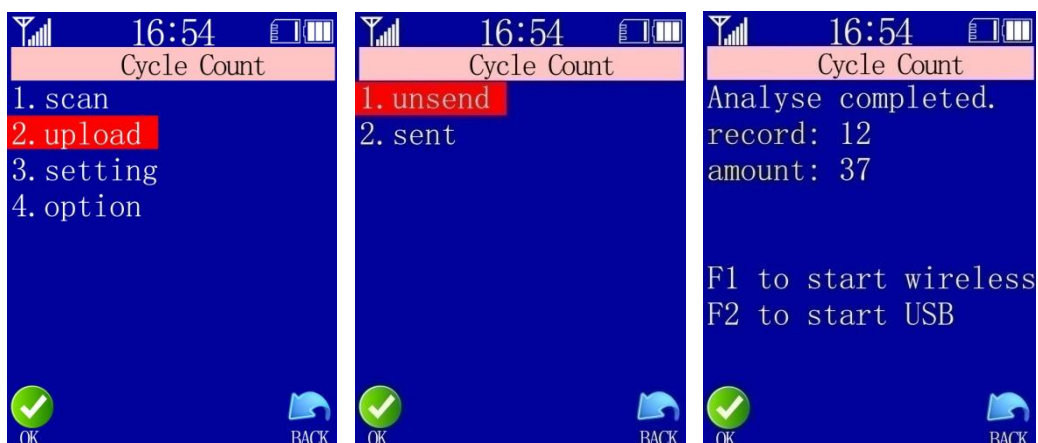
Please refer to the following “Cycle Count” instruction. Operations are the same.

2.3.2 Cycle Count

- In the main menu, select “Cycle Count” or press the number key 3 to enter the operation page;
- In the Scan page, press the SCAN button to start reading barcode or press F1 to input Article# and F2 to input barcode manually;
- If an item file has been imported, the corresponding item information will be displayed as soon as the barcode is read;
- Input quantity and press OK to save.

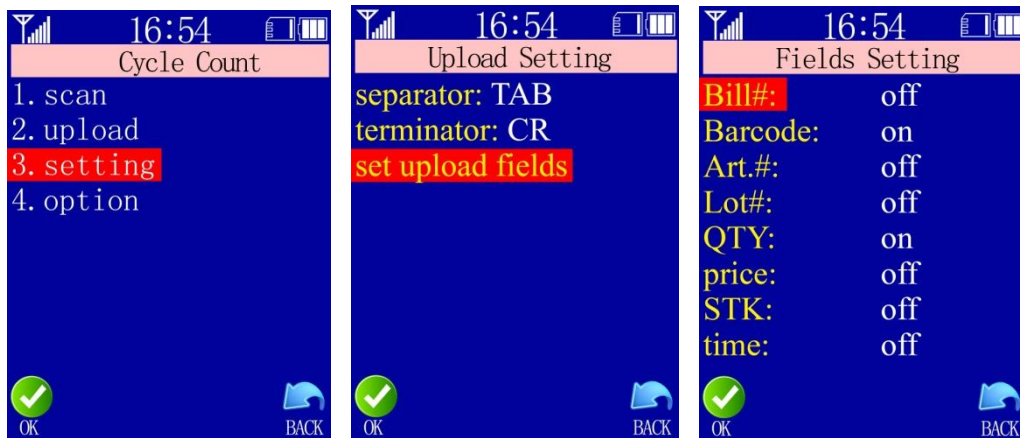


Data Upload: upload scanned data (sent or unsent) to computer text file, excel file or the PC application. “unsent” refers to data that has never been sent to the computer. “sent” refers to data that has been sent to the computer but can be sent again. Press F1 to start a wireless transmission or F2 for a USB transmission.



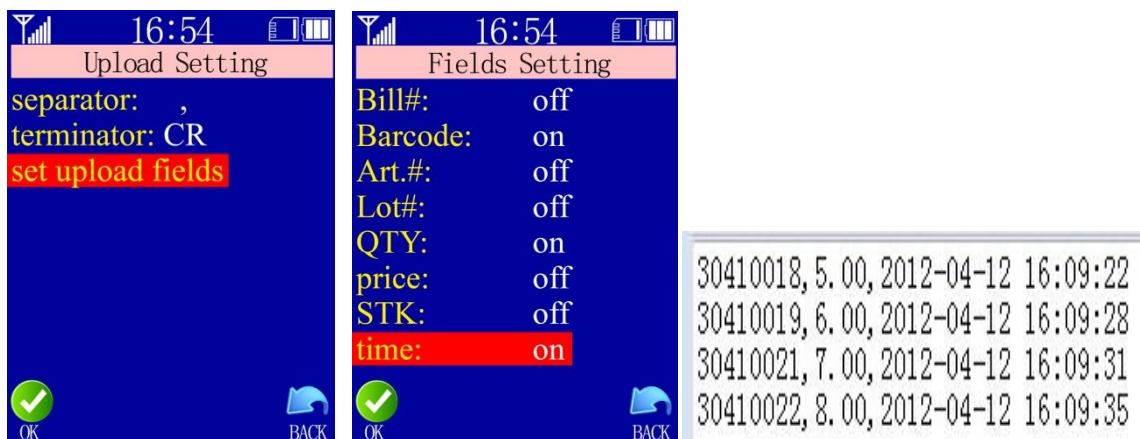
Note: Data is received by the computer in two ways. One is going to where the cursor locates (in an open text or word or excel file), the other is going to the PC application. Please refer to chapter “3.2.3 Data Upload” for operation of sending data to the PC application.

Transmission Setting: define the separator and/or terminator of the transmission data (none, space, tab, CR, LF, comma and semicolon available) and specify fields to be uploaded.



Note: use up or down arrow key to move among options and OK to confirm selection. Then use left or right arrow keys to change status and OK to confirm.

eg. The separator is set to be comma and the terminator “CR”, and fields to be uploaded are barcode, quantity and time, then it should look like this in a txt file:

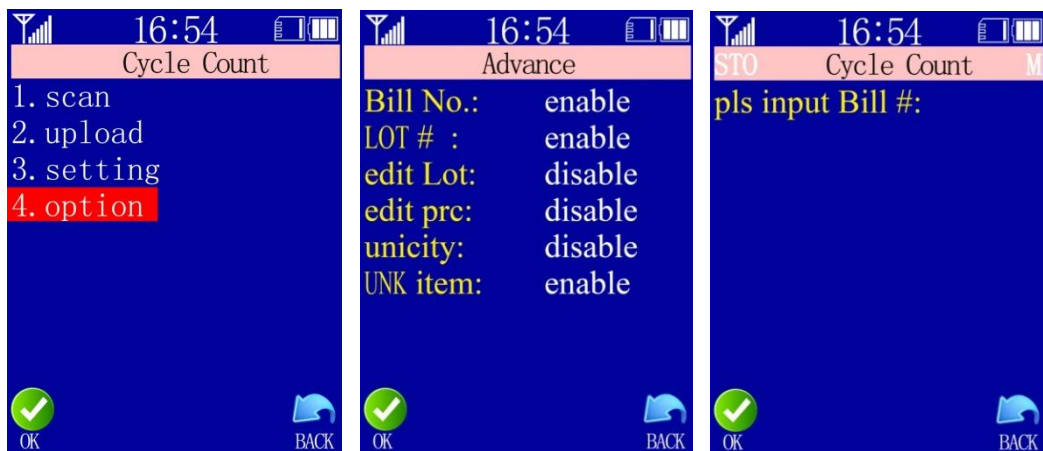


Note: upload setting and fields setting are valid only in wireless transmission to computer txt or excel file.

Advanced Functions:

- 1) Bill No.: when it is enabled, multiple bills, warehouse, shops management is supported;
- 2) LOT #: when it is enabled, multiple lot number management is supported. It is very useful in the pharmaceutical industry. When the barcode is read, press the left or right arrow key to select the corresponding lot number;
- 3) Edit Lot: when it is enabled, the user may change the error lot number manually;
- 4) Edit price: when it is enabled, the user can change manually the default price to the actual price at the time of sale;
- 5) Unicity: it is usually applied to manage serial number. When it is enabled, a notification will come ask the user if it is allowed to process repeat barcode;

- 6) UNK item: when it is enabled, the user can decide whether to process the unknown items or not (new item or item missing in the item file). Otherwise, unknown item is forbidden.



2.3.3 Wireless Scan

- a. Establish communication between the Handheld and the Receiver.



- b. create/open a text file on the computer and place the cursor in the blanks;
 c. In the handheld main menu, select “Wireless scan” “1.scan”, then press the SCAN

button to start reading barcodes. When the signal is good, the scanned data will be uploaded right away to the computer and show up at where the cursor locates. With no signal or weak signal, the data will be automatically saved in the handheld and uploaded to the computer when the signal restores.

Note: only barcode will be displayed when using the Wireless Scanner function.

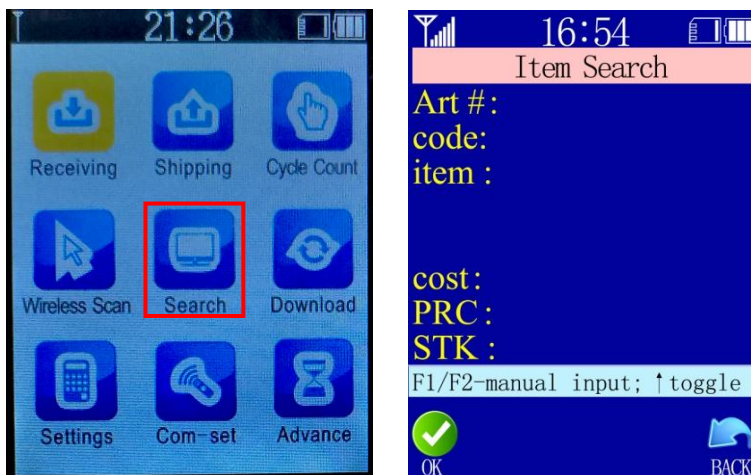
Data upload: upload data sent or unsent to the computer PC Software or text/excel file.

Unsent data refers to those that has never been sent to the computer and sent data are those that has been sent to the computer but can be sent again. Press F1 to start wireless transmission or F2 for a cable transmission to the PC Software.

Header & Trailer: This option allows you to append a header and/or a trailer to the barcode. Header or trailer characters include space, tab, carriage return, linefeed, comma and semicolon. Default is none. Use the left / right arrow key to switch among characters and OK to confirm.

2.3.4 Search

Input or scan Art# or barcode to look up item information, then press F3 to look up Lot#. Use up or down arrow keys to view if there are more than one Lot#. If the screen says "Item not found, try again!", it means the item is missing in the item file.



2.3.5 Download

Item file download must work together with the PC application. Please refer to chapter "3.2.2 Download Item File" for details.

2.3.6 Settings

basic settings: set date, time, auto power off time and standby time.

Use up or down arrow keys to move among options and OK to confirm.

Then input characters with the button and OK to save.

2.3.7 Com-set

normal mode: one receiver to multiple handheld

unique mode: one receiver to a sole handheld

connection: select one mode and press OK to start pairing, then plug the receiver into the usb port of the computer. If pairing failed, try again.

2.3.8 Advance

clear memory:

1. remove all scanned records;
2. remove item information;
3. restore to factory default.

update: please refer to chapter “3.2.1 Update Program” for details.

CHAPTER III PC APPLICATION

The major function of the PC application lies in two:

1. To download a program to refresh the handheld in case of a new version or a breakdown;
2. To download item information to the handheld so that the user can check the relative commodity details right on the handheld.

Both can only be accomplished with the cable attached.

3.1 Installation

Double click on the application installer:

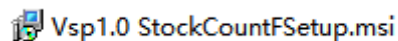



Figure 3-1

Follow the instructions of the wizard until completion and the application icon  will be created on the desktop.

Double click on the icon, the application dialog should pop up as below:

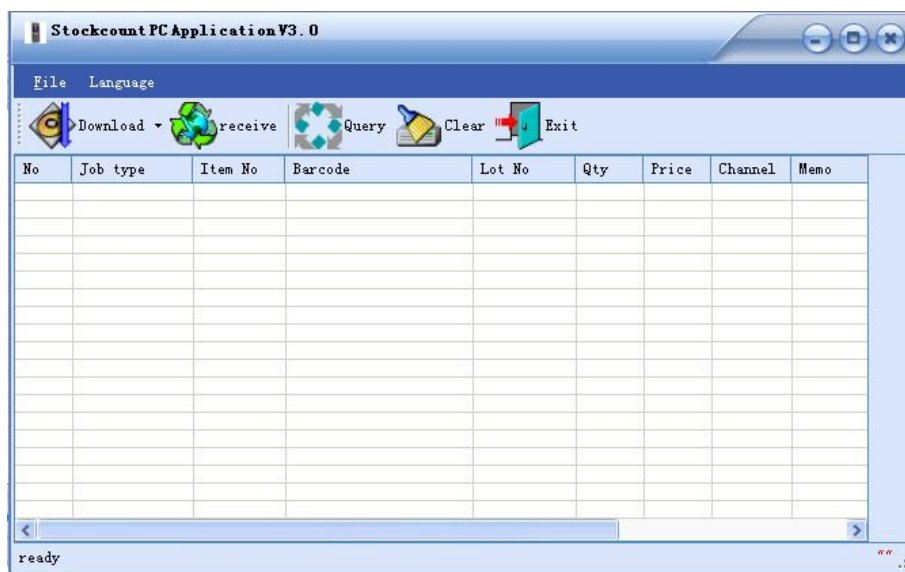


Figure 3-2

Note: during installation if an error message pops up as below:

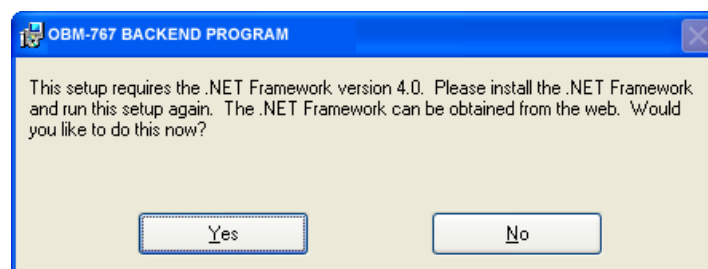


Figure 3-3

Click No and then find the folder of framework 2.0 and install the .net program:



Figure 3-4

This may take a few minutes. After completion, go back to install the application again as shown in figure 3-1 & 3-2

3.2 Operation Description

3.2.1 Update Program

In the Handheld, select “Advance” “update” and press OK into the updating page:

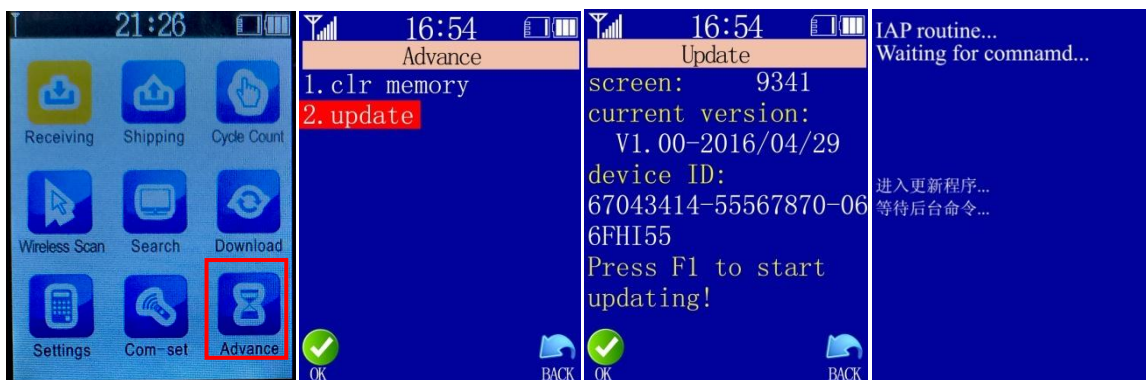


Figure 3-5

Open the PC application, expand the DOWNLOAD drop-down menu and select “Download Program”:

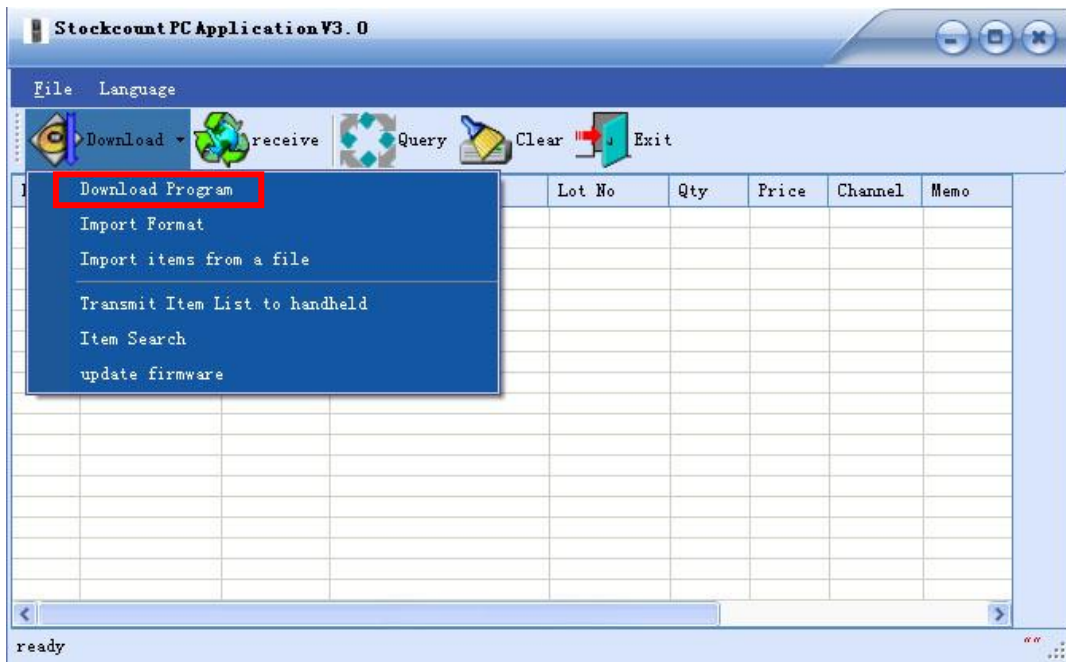


Figure 3-6

A dialog box pops up. Specify the path of the file to be updated to the Handheld then click OPEN:

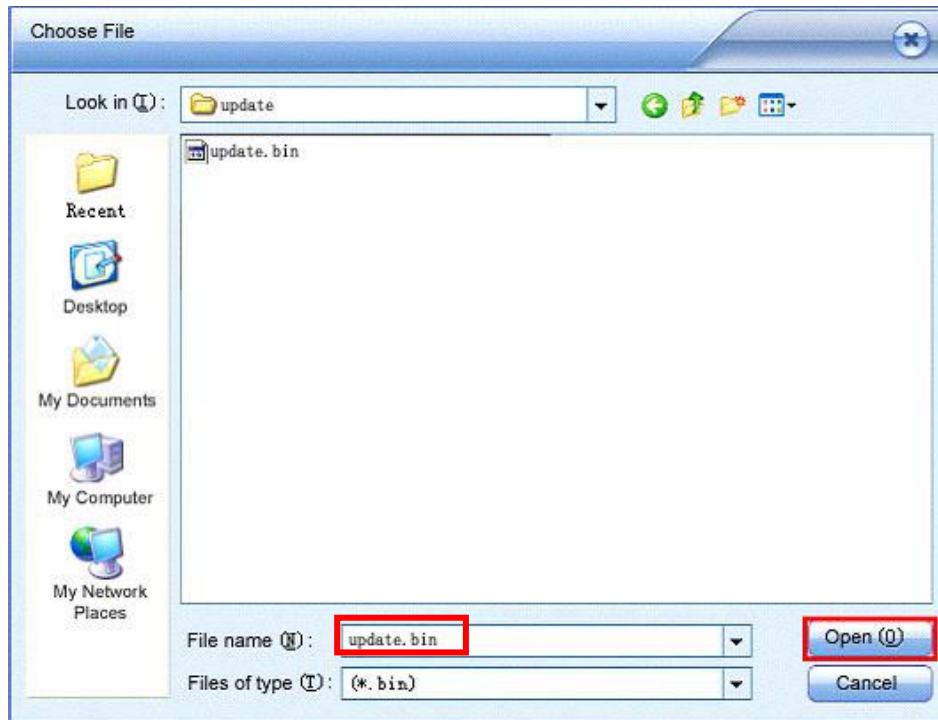


Figure 3-7

Now a hint of “downloading” is shown on the Handheld. When the download completes, the handheld will reboot automatically. A new program is updated. Meanwhile the PC application also gives a notification of completion.

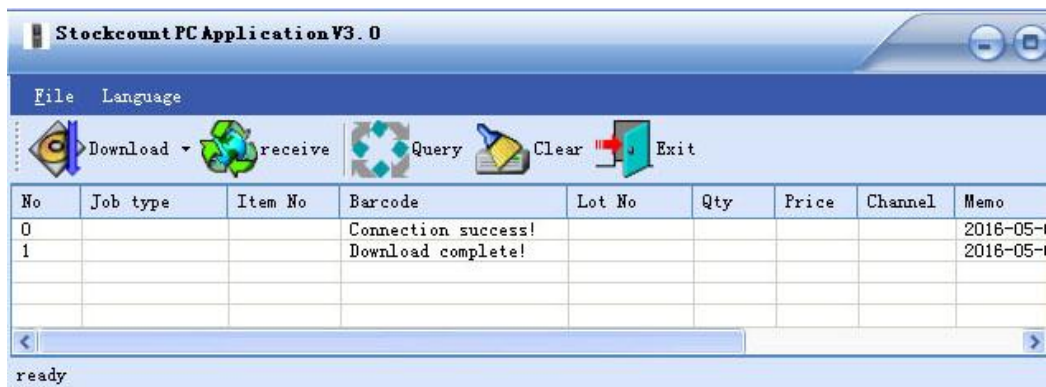


Figure 3-8

3.2.2 Download Item File

Simply speaking, it is a process to import the item file into the PC application and then export it to the handheld.

To import the item file into the PC application, the first and most important thing is to match its format with the pc application.

Open the PC application, expand the DOWNLOAD drop-down menu and select “Import Format”:

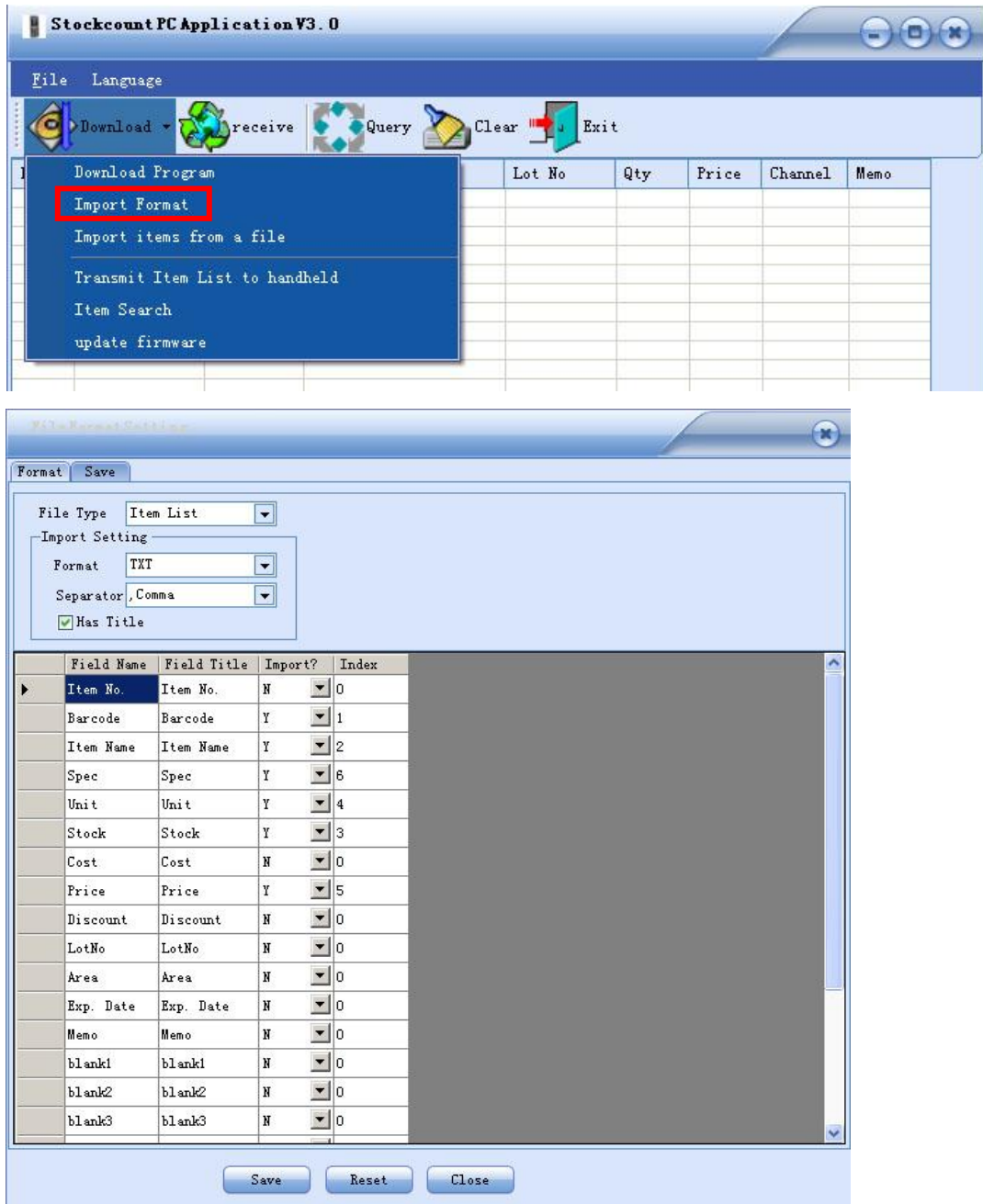


Figure 3-9

Configuration Instruction:

1. File Type: Item List
2. file Format: MS Excel, CSV and TXT format available. Select one according to your item file.
3. Separator: choose one from comma, semicolon, TAB and fix-length or input one according to your item file, but leave it as it is for an Excel format file.
4. Has Title: check to import a file with field headings.
5. Field Name: default fields to be displayed on the handheld. It can not be changed.
6. Field Title: field name of your item file. You may change it to be the same as your item file.
7. Import: Y for yes to import the field; N for not to import the field
8. Index: corresponding column number of the item file
9. Length: for fix-length file only

EXAMPLE:

● **Import an EXCEL file**

Step 1: import format configuration

Suppose you have an item file named inventory.xls. There are 9 columns in it, but we need only 7 fields as barcode, item name, unit, stock, cost, price and specification. The import format is set as below:

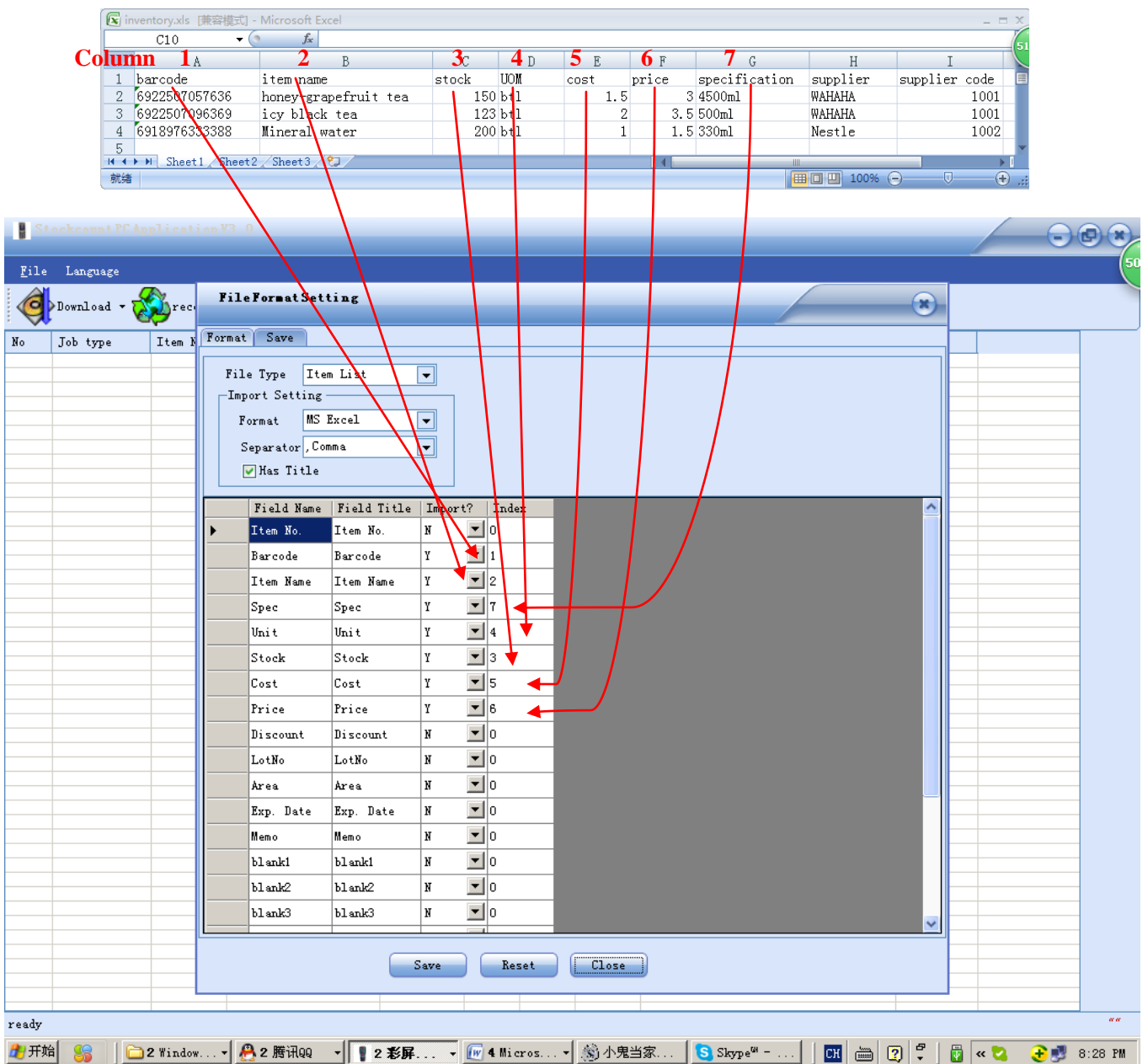


Figure 3-10

Step 2: import item file into the PC application

Click SAVE and CLOSE when format is configured. Then on the menu bar, click “import items from a file” and specify the directory of the inventory.xls:

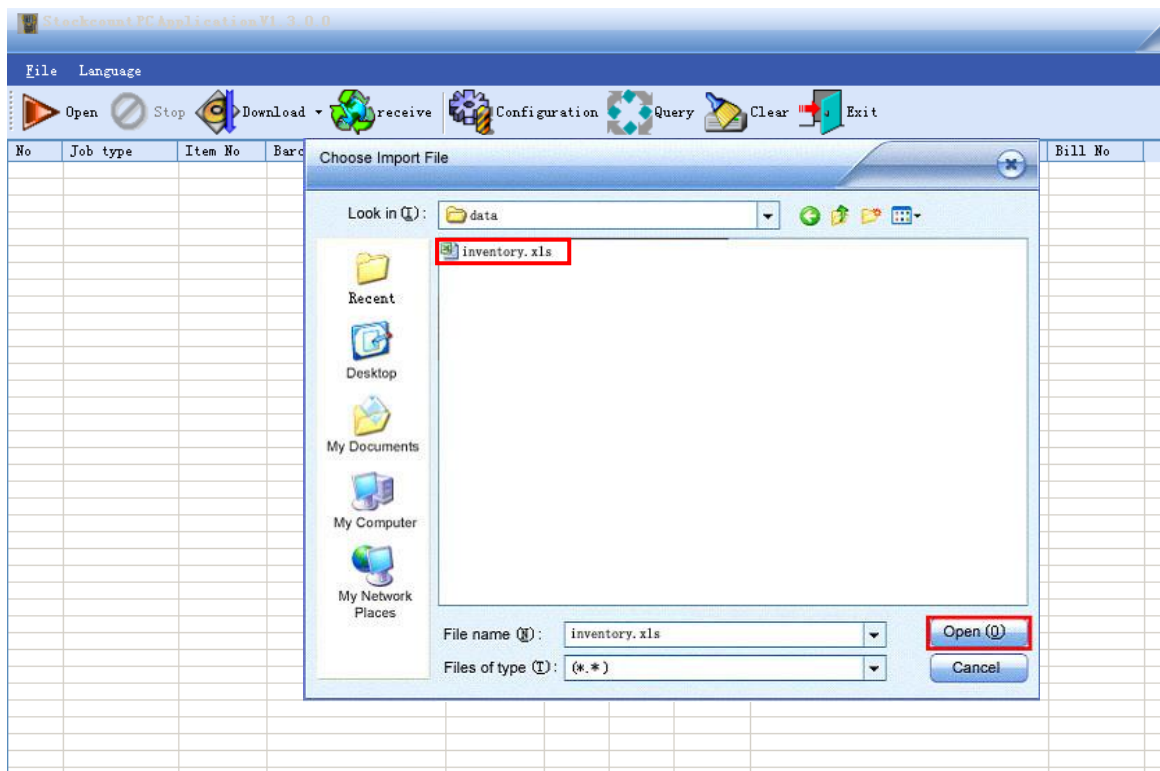
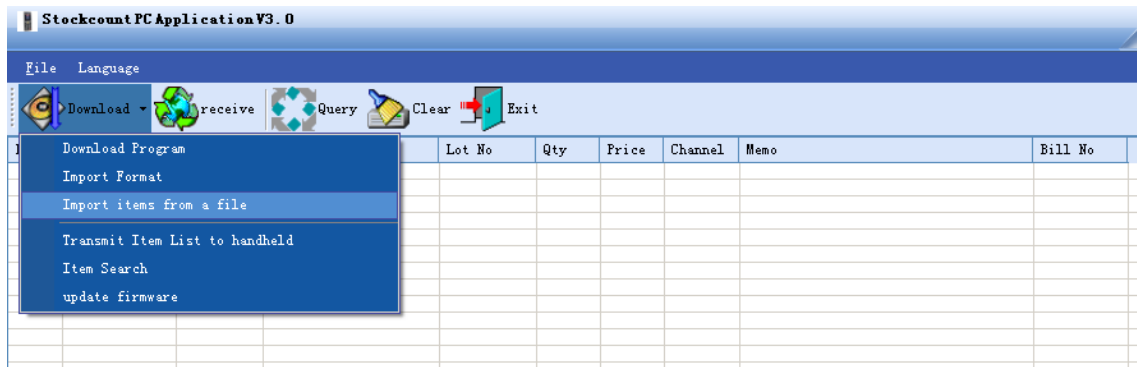


Figure 3-11

Select a work sheet:

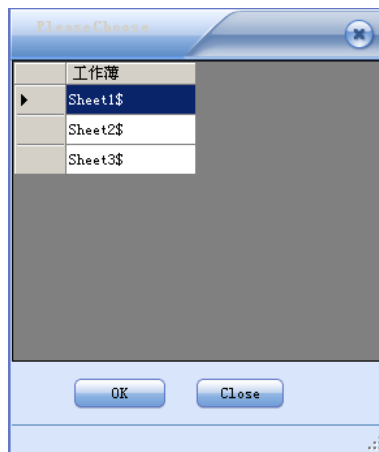


Figure 3-12

Confirm to start the import. When “import success!” appears, the item file has been imported into the database of the PC application.

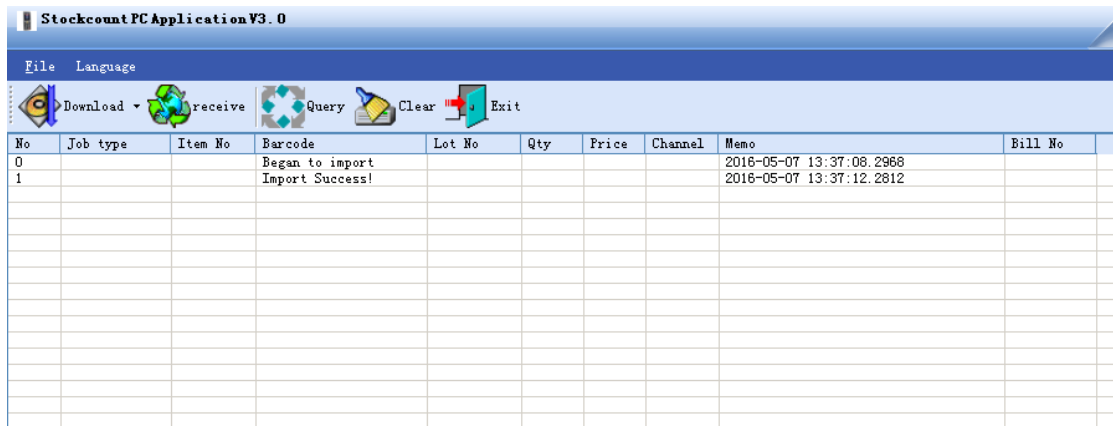
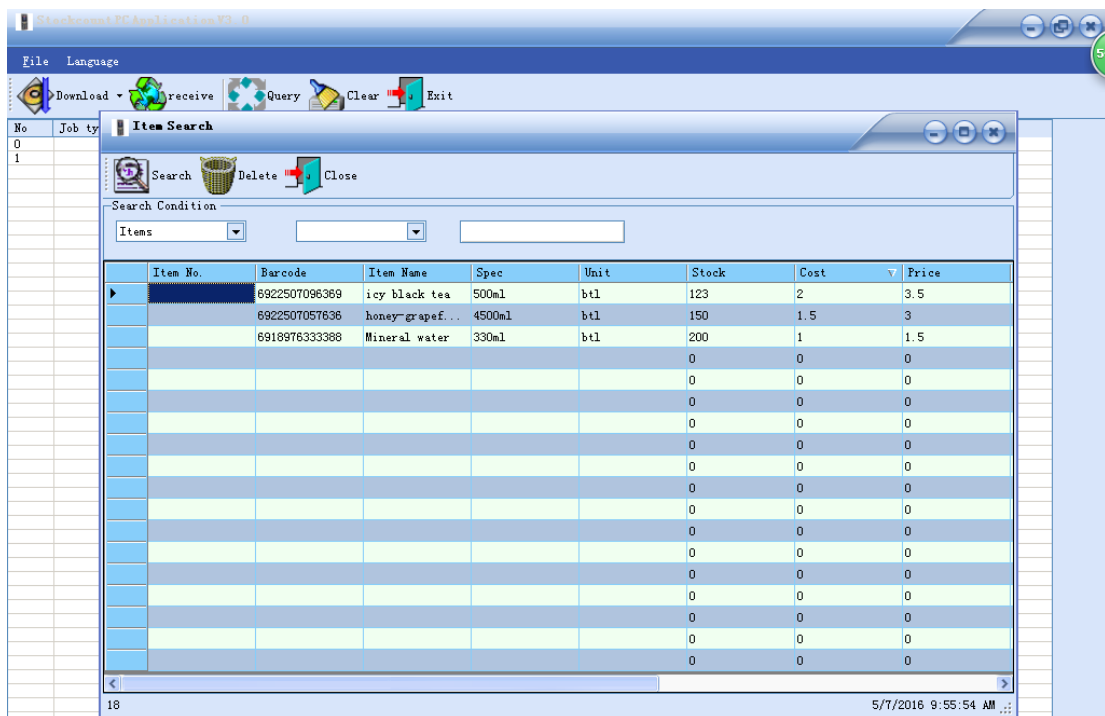
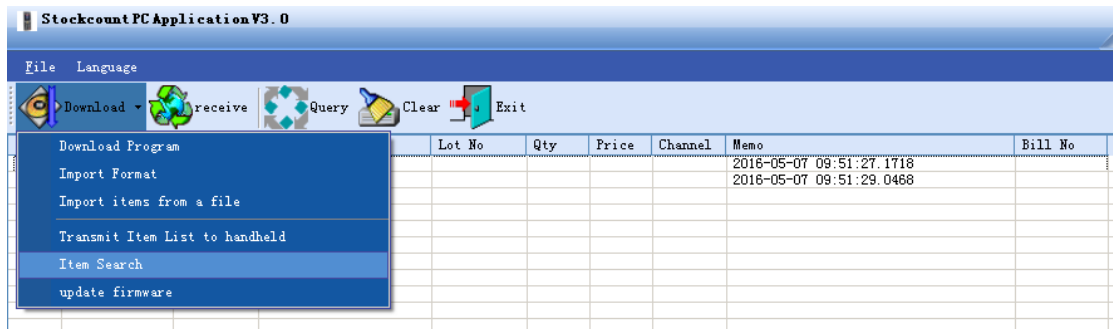


Figure 3-13

Step 3: item search

Click DOWNLOAD and select “Item Search” to confirm and view commodity details imported in the PC application:



Step 4: download item file to the handheld

To start the download operation, select “Transmit Item List to handheld” from the drop-down menu of DOWNLOAD. If download has been successfully proceeding, the PC application gives a notification of success and the handheld screen refreshes automatically.

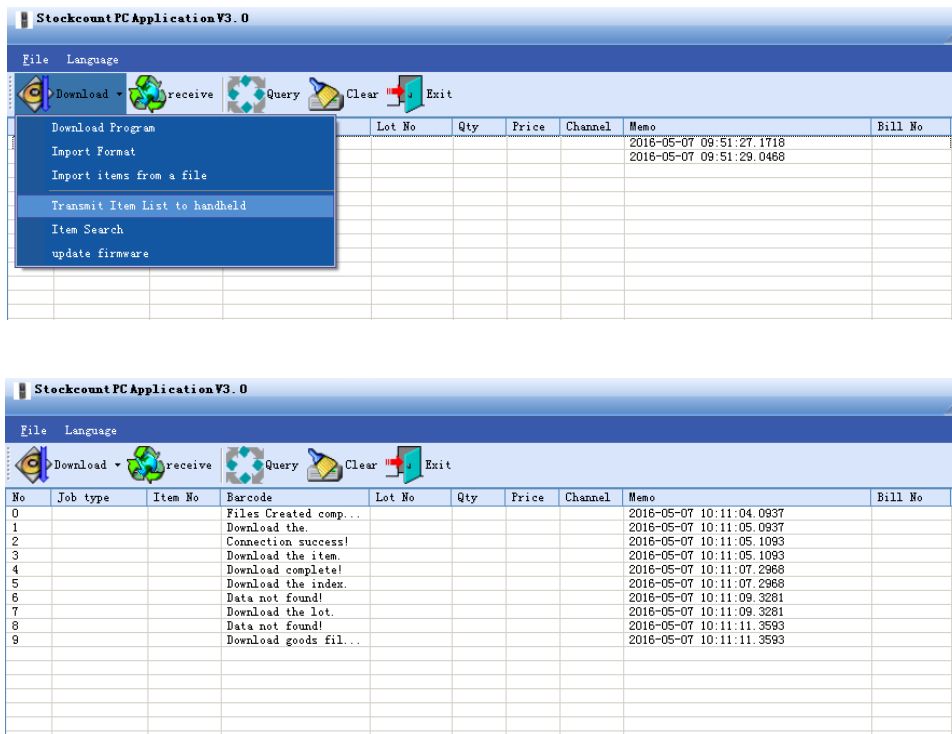
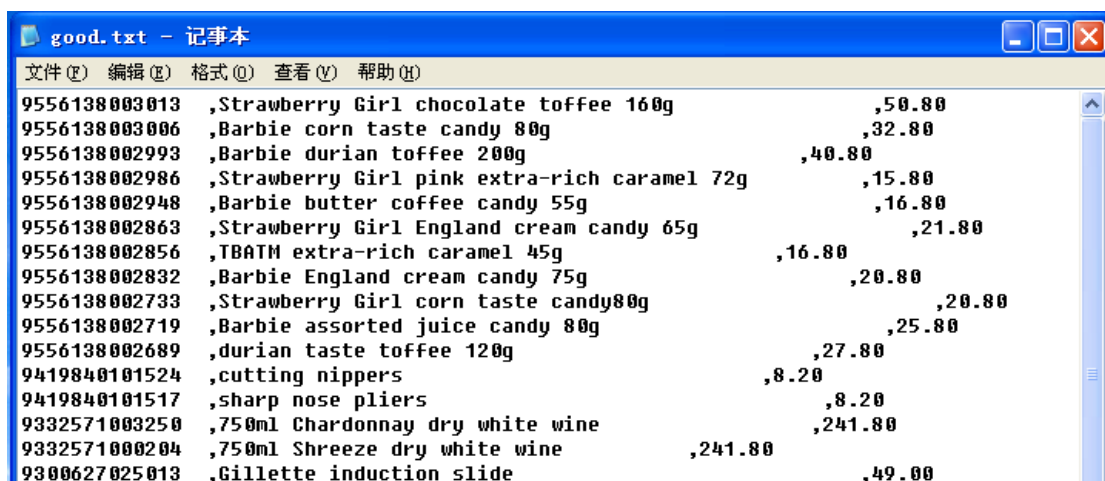


Figure 3-15

- **Import a TXT file:**

1. The item file is a text file with a comma as the separator. The first column is barcode, the second item name, the third cost. There is no field name for each column:



2. format is set as below:

The screenshot shows the 'FileFormatSetting' dialog box with the following settings:

- File Type: Item List
- Import Setting:
 - Format: TXT
 - Separator: Comma
 - Has Title:

The table below shows the field mapping for import:

Field Name	Field Title	Import?	Index
Item No.	Item No.	N	0
Barcode	Barcode	Y	1
Item Name	Item Name	Y	2
Spec	Spec	N	0
Unit	Unit	N	0
Stock	Stock	N	0
Cost	Cost	Y	3
Price	Price	N	0
Discount	Discount	N	0
LotNo	LotNo	N	0
Area	Area	N	0
Exp. Date	Exp. Date	N	0
Memo	Memo	N	0
blank1	blank1	N	0
blank2	blank2	N	0
blank3	blank3	N	0

The rest steps please refer to the first example “import an excel file”.

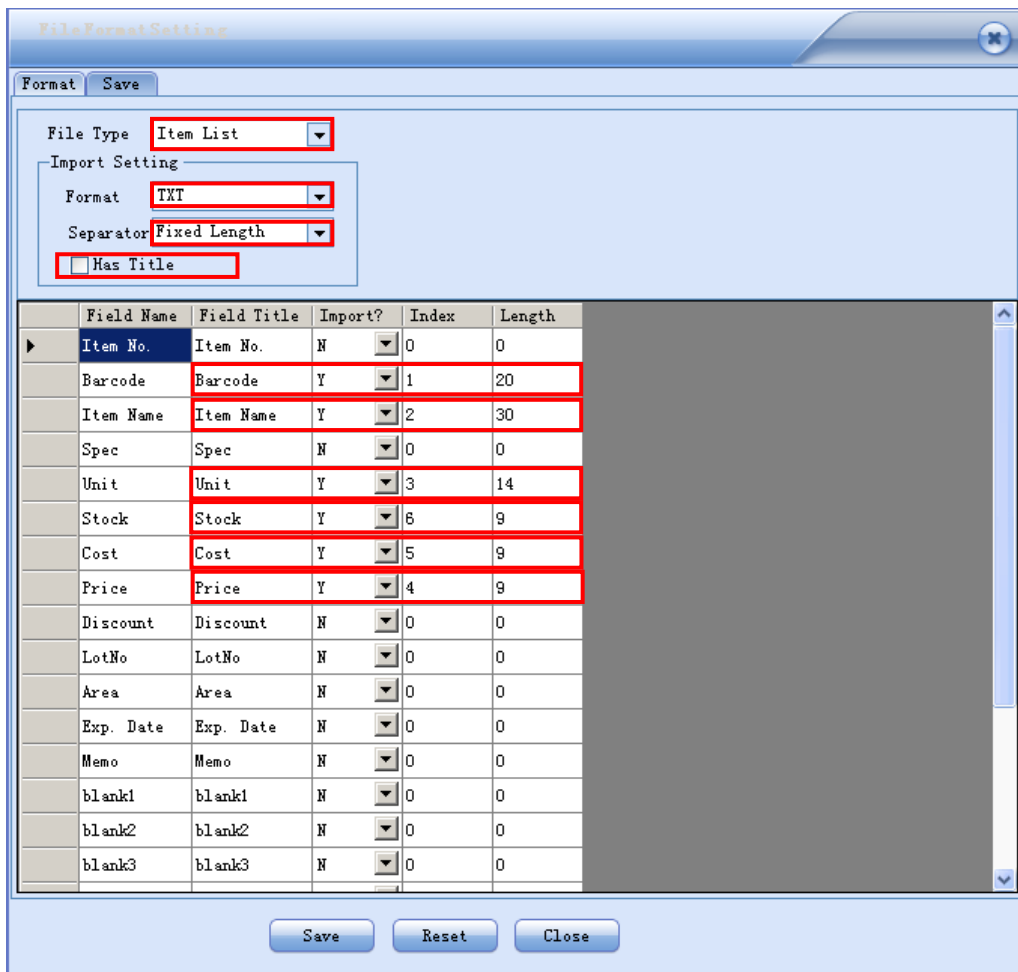
- **Import a fix-length TXT file:**

1. The first column is barcode, the second item name, the third UOM, the fourth price, the fifth cost and the sixth stock. There is no field name for each column:

The screenshot shows a Notepad window titled 'fix-length txt test.txt - 记事本' containing the following data:

Barcode	Item Name	UOM	Price	Cost	Stock
0018023635277	wire ball (3pcs)	pcs	7.50	5.0000	0.0000
0026102146460	Korean wire ball		21.00	14.0000	0.0000
0026102235416	cutting nippers		23.00	15.5000	0.0000
0026102484845	sharp nose pliers	piece	31.50	21.0000	0.0000
0026102808832	chocolate toffee	g	8.70	5.8000	0.0000
0026102808856	durian taste toffee		14.30	9.5000	0.0000
0026102927472	Barbie England cream candy		75.00	50.0000	0.0000
0029321619197	durian taste toffee		45.00	30.0000	0.0000
0029321621923	DC dried jackfruit		45.00	30.0000	0.0000
0037000078388	DC dried jackfruit	g	15.80	11.7857	0.0000
0037000078395	potted coffee peanut	g	15.80	11.7857	0.0000
0037000078401	potted coconut peanut	g	5.00	4.3333	0.0000
0037000078418	TBAM extra-rich caramel	g	5.00	4.3300	0.0000
0037000080565	Barbie butter coffee	g	5.00	4.3300	0.0000

2. format is set as below:



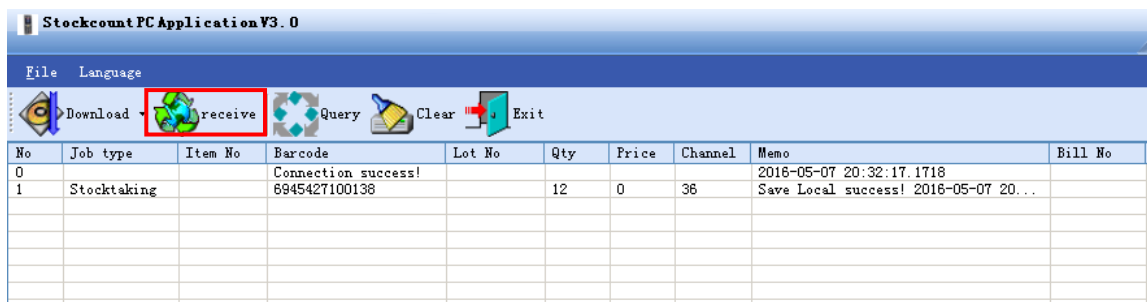
The rest steps please refer to the first example “import an excel file”.

3.2.3 Data Upload

Step 1: connect the handheld and the computer with the USB cable;

Step 2: in the main menu of the handheld, enter any of the options you are going to process (wireless scanner / receiving / shipping / Cycle Count). In the sub-menu, select “2. Upload” → “unsent” or “sent”, then press F2 to start transmission and the screen says “linking”;

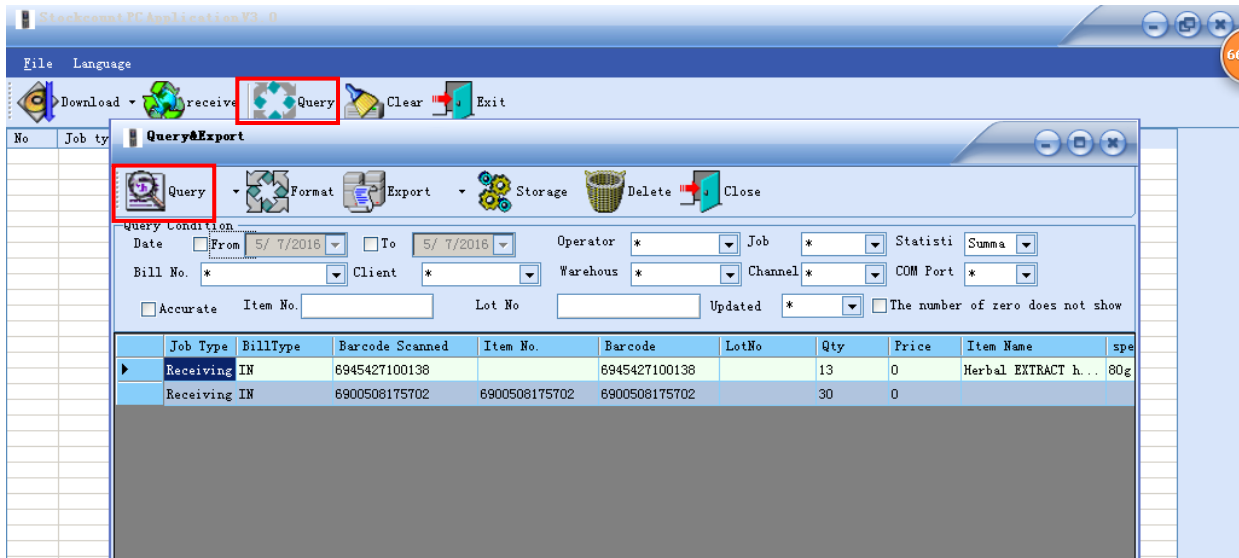
Step 3: in the PC application, click the RECEIVE button.



3.2.4 Data Query

When all data is collected and uploaded to the PC application, you may carry out an enquiry, export and cleanup of data according to different conditions.

As the query condition set, click the QUERY button to view the result:

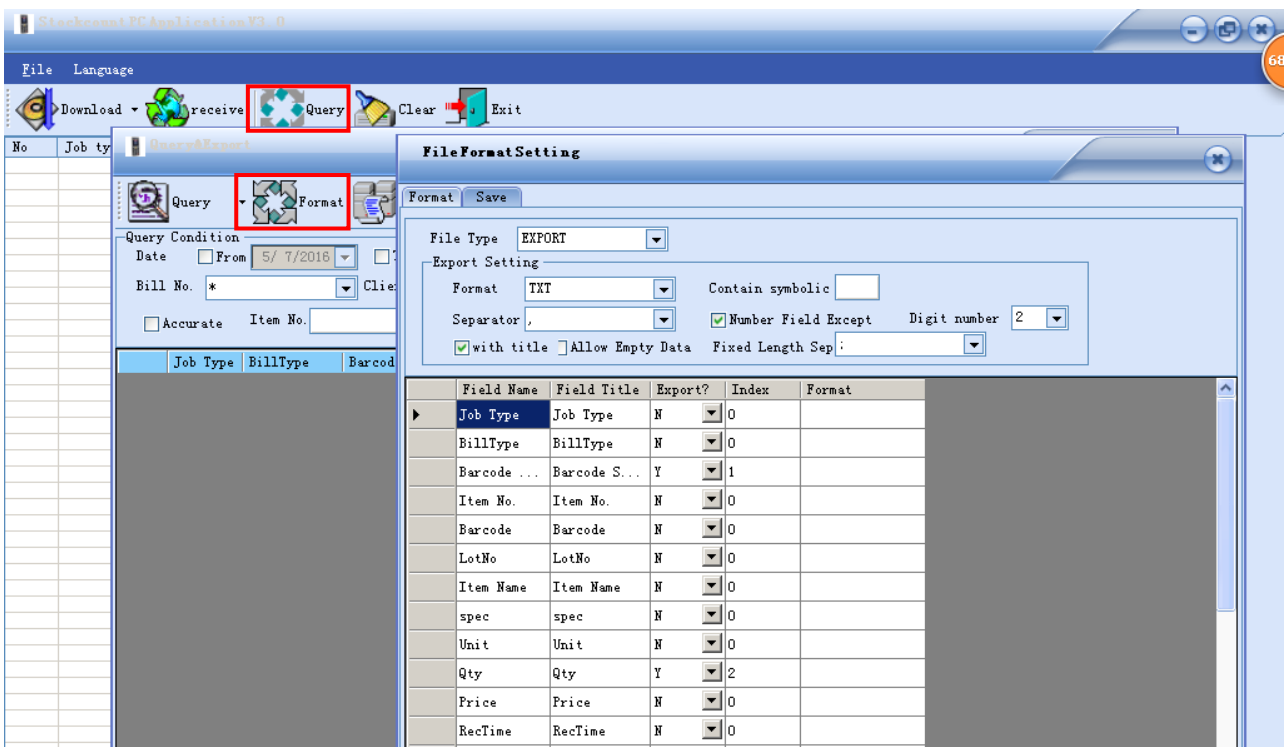


3.2.5 Export File

You could export and save query results in various file formats (eg. xls, txt, clipboard).

Click QUERY and open the QUERY & EXPORT dialog.

Click FORMAT to open the following dialog box:



FileFormatSetting

Format Save

File Type: EXPORT

Export Setting

Format: TXT Contain symbolic:

Separator: , Number Field Except Digit number: 2

with title Allow Empty Data Fixed Length Sep:

Field Name	Field Title	Export?	Index	Format
Job Type	Job Type	N	0	
BillType	BillType	N	0	
Barcode ...	Barcode S...	Y	1	
Item No.	Item No.	N	0	
Barcode	Barcode	N	0	
LotNo	LotNo	N	0	
Item Name	Item Name	N	0	
spec	spec	N	0	
Unit	Unit	N	0	
Qty	Qty	Y	2	
Price	Price	N	0	
RecTime	RecTime	N	0	
OPTime	OPTime	N	0	
Operator	Operator	N	0	
Oper Name	Oper Name	N	0	
Client	Client	N	0	

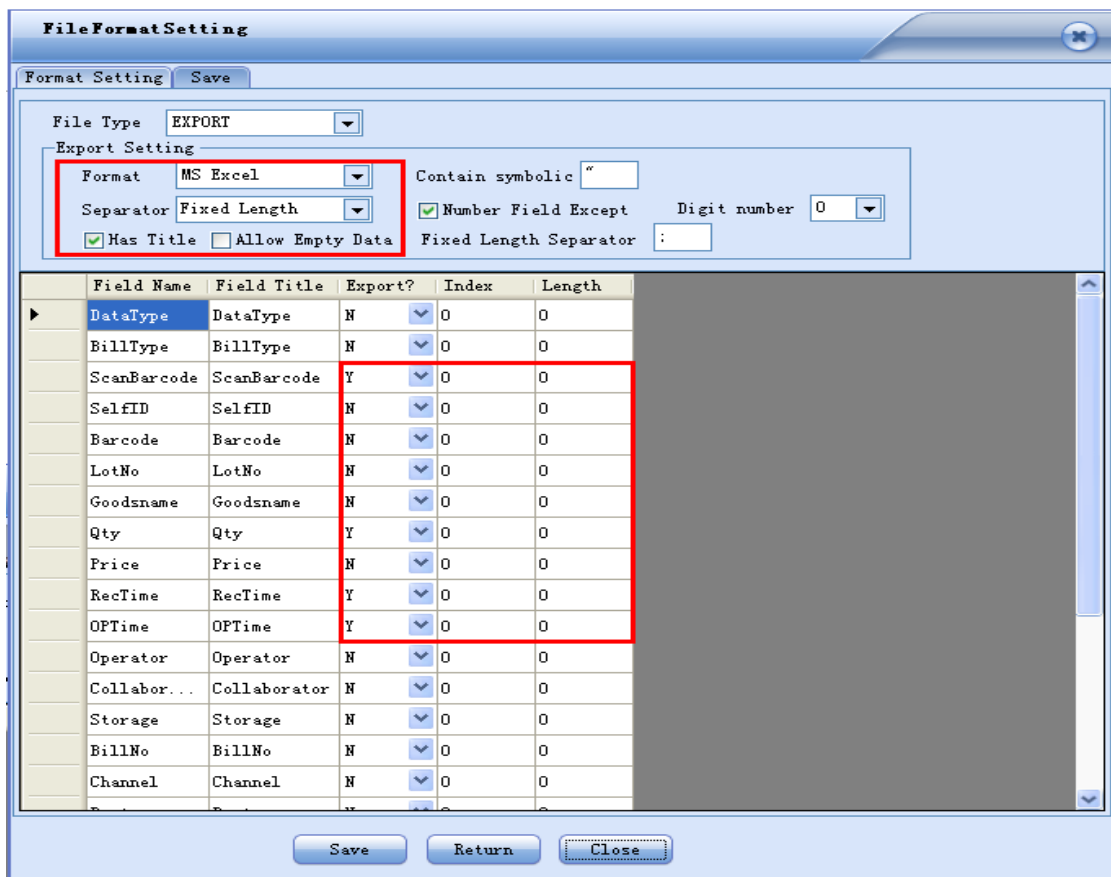
Save Reset Close

Configuration instruction:

1. file type: export data;
2. file format: Excel, TXT, CSV, XML, clipboard, cursor, DRUGXML, WPS, ET, DBF available;
3. contain symbolic: add a quotation mark to each field (valid only for TXT file);
4. number field except: no quotation mark to numbers even though the MARK option is selected;
5. separator: choose one from comma, semicolon, TAB and fix-length (column width as in excel) or input one instead;
6. with title: export a file with field headers;
7. allow empty data: allow to export blank data source.
8. fix-length separator: export a fix-length file with a separator.
9. digit number: -1(remove decimal); 0(rounded to integer); 1(one decimal);
10. Export?: Y for yes to export the field, N for not to export the field.
11. index: sequence the fields to be exported starting from 1;
12. format: define a specific format for quantity and/or date.

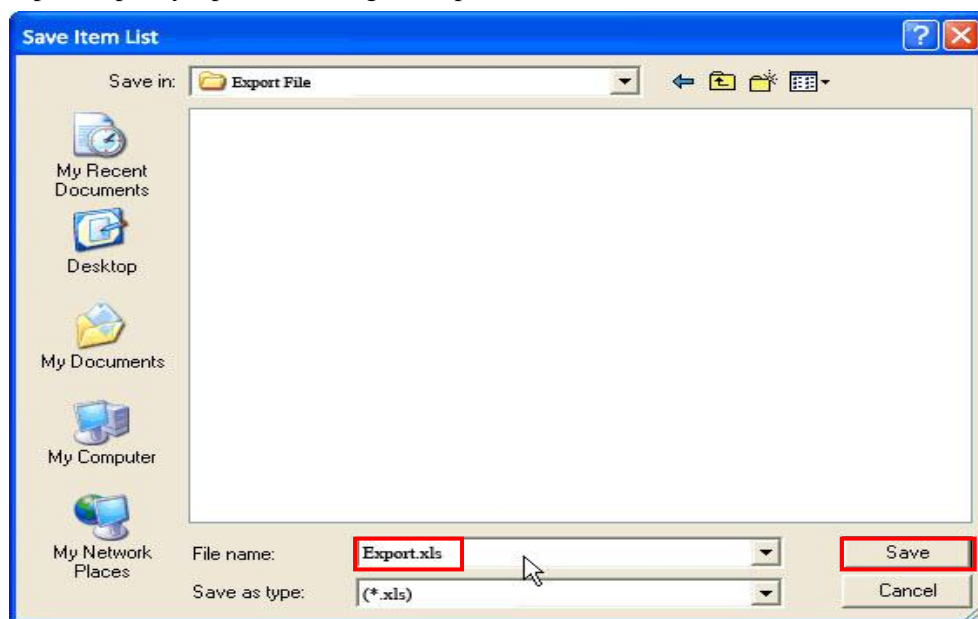
EXAMPLE:

Step 1: configure the format of the file to be exported



Click SAVE and CLOSE to shut the dialog box then click EXPORT again

Step 2: specify a path for saving the exported file:



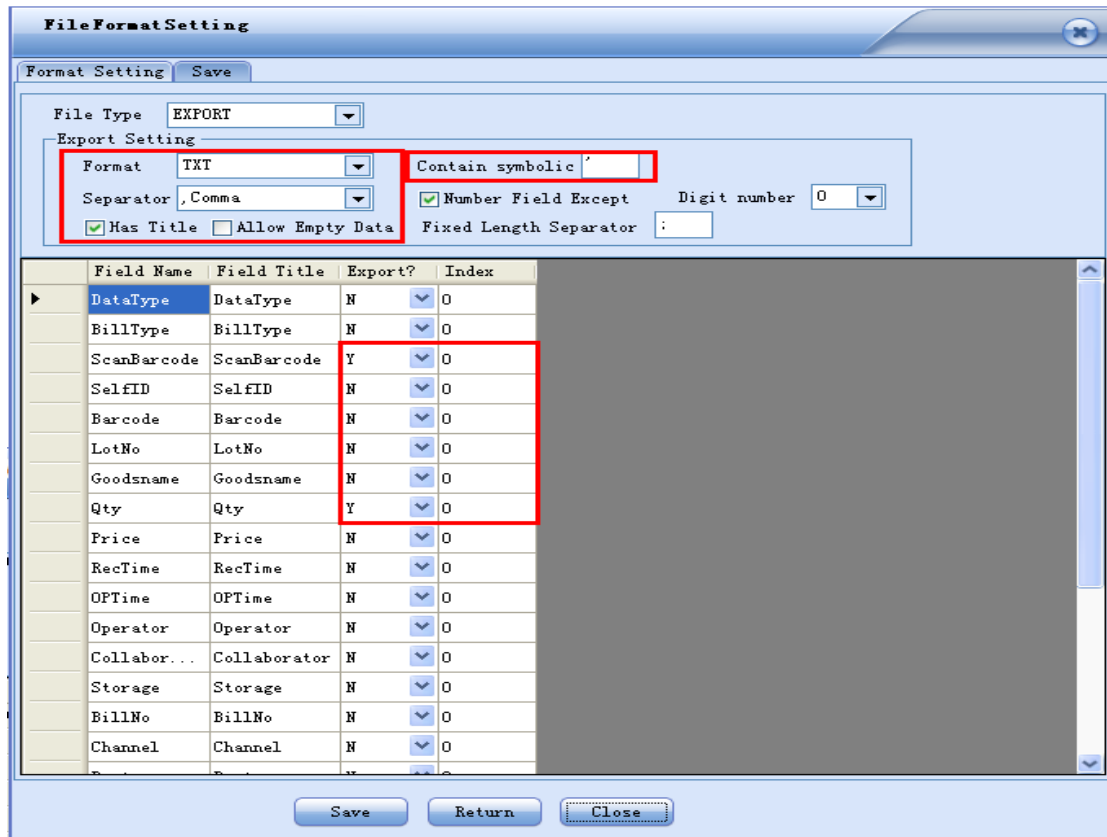
Enter a file name (eg. Export.xls) and click SAVE.

Step 3: Open the exported file:

	A	B	C	D	E	F
1	ScanBarcode	Qty	RecTime	OPTime		
2	8802188000917	1	2011-07-25 11:33:58	2011-07-25 11:34:10		
3	8802188000917	1	2011-07-25 11:33:56	2011-07-25 11:34:09		
4	8802790222240	1	2011-07-25 11:33:54	2011-07-25 11:34:07		
5	8802790222240	1	2011-07-25 11:33:52	2011-07-25 11:34:04		
6	8802800335243	1	2011-07-25 11:34:00	2011-07-25 11:34:12		
7	8802800335243	1	2011-07-25 11:33:59	2011-07-25 11:34:11		
8						
9						

To get an exported TXT file like this, the format should be configured as below:

```
ScanBarcode ,Qty
'8802188000917' ,1
'8802188000917' ,1
'8802790222240' ,1
'8802790222240' ,1
'8802800335243' ,1
'8802800335243' ,1
```



To get an exported fix-length TXT file like this, the format should be configured as below:

8802188000917	1
8802188000917	1
8802790222240	1
8802790222240	1
8802800335243	1
8802800335243	1

Field Name	Field Title	Export?	Index	Length
DataType	DataType	N	0	0
BillType	BillType	N	0	0
ScanBarcode	ScanBarcode	Y	0	20
SelfID	SelfID	N	0	0
Barcode	Barcode	N	0	0
LotNo	LotNo	N	0	0
Goodsname	Goodsname	N	0	0
Qty	Qty	Y	0	8
Price	Price	N	0	0
RecTime	RecTime	N	0	0
OPTime	OPTime	N	0	0
Operator	Operator	N	0	0
Collabor...	Collaborator	N	0	0
Storage	Storage	N	0	0
BillNo	BillNo	N	0	0
Channel	Channel	N	0	0

3.2.6 Delete Data

In the "QUERY&EXPORT" interface, click "Delete" and choose YES in the pop up dialog box.

Query Condition

Date From 5/ 7/2016 To 5/ 7/2016 Operator * Job * Statisti Summa

Bill No. * Client * Warehouse * Channel * COM Port *

Accurate Item No. Lot No Updated * The number of zero does not show

Job Type	BillType	Barcode Scanned	Item No.	Barcode	LotNo	Qty	Price	Item Name	spe
Receiving	IN	6945427100138		6945427100138		13	0	Herbal EXTRACT h...	80g
Receiving	IN	6900508175702	6900508175702	6900508175702		30	0		
Stockt...								EXTRACT h...	80g

Confirmation

This will delete all data matching the search condition. Please verify that all search results are unwanted and should be removed. The deletion can not be reversed. Are you sure you want to continue?

确定 取消

WARRANTY

The Wireless Handheld is warranted for a period of twelve (12) months from the date of purchase.

Terms & Conditions:

A. Warranty service is only available for products purchased from original manufacturer or its authorized dealers

B. Product may be serviced provided it remains unmodified and is operated under normal and proper conditions, while the buyer must present the original purchase invoice or receipt for verification when warranty service is rendered. No charge will be made to Buyer for replacement parts for warranty repairs.

C. The above warranty provisions shall not apply to the following cases, but repair service may be rendered at the Buyer's expense:

1. Warranty service is expired.

2. The Buyer is incapable of presenting a warranty card or the information in the warranty card is not complete or is altered.

3. Defects or damage cause by accident or artificial factors like unusual physical or electrical stress, water or other liquids, etc.

4. Defects or damage results from failure to perform operator handling and scheduled maintenance instructions stating in the user's manual.

5. Other defects or damage do not cause by workmanship or material.

D. No repair service shall apply to the following products:

1. Products not made by original manufacture.

2. Products that has been repaired, tampered with, altered or modified, without authorization from original manufacturer.

E. Warranty service is valid in Mainland China only.

Notes:

The product specification and information mentioned in this manual is subject to changes without prior notice. For the latest news and information, please consult a distributor nearby.