



**LiBS Mobile Version 1.8
RFID Shelf Management
User Manual**

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About LiBS Mobile

Intelletto LiBS Mobile for RFID Shelf Management is a high performance application designed for RFID shelf management in library environments.

Product Components

- Intelletto BR10 plus charger,
- Samsung Galaxy tablet 7 plus charger.



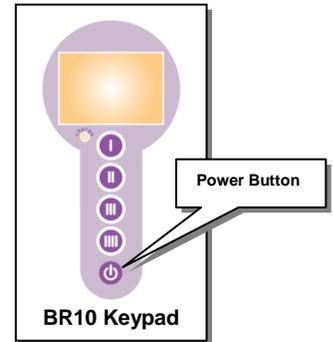
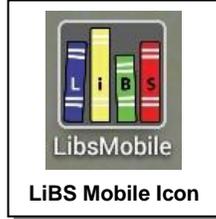
Product Characteristic

Intelletto BR10 Blade Reader

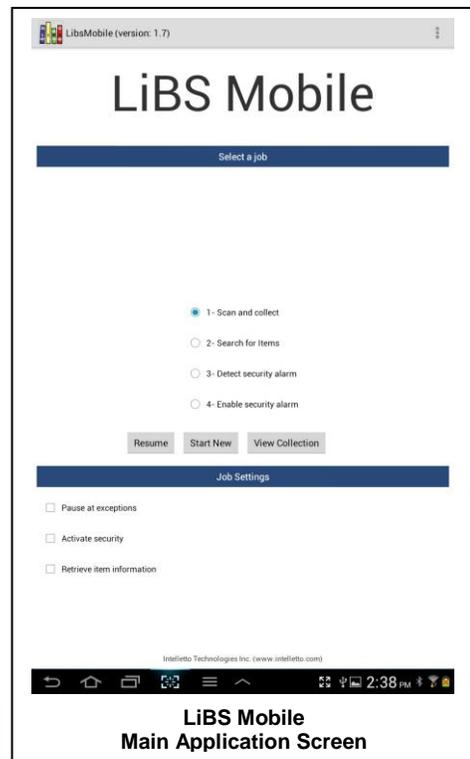
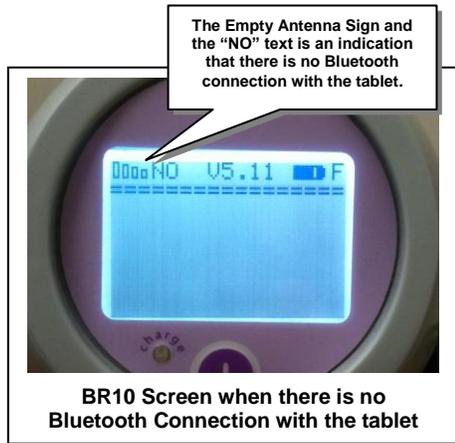
Item	Description
Model No.	BR10-A
Frequency	13.56 MHZ
Baud rate	115200 bps
User Interface	4 Tactile switches, Buzzer and a 102x64 LCD display with back light
RF Power	¼ Watt
Battery Pack	17Wh, 7.2V Lithium Ion, 8 hours of full scanning operation
Charger	9 Volt 1Amp DC adaptor (2.1mm center positive Jack)
Weight	0.345 KG
Color	Gray and Purple
RFID Tag Support	ISO 15693, ISO 14443A/B, HF EPC, Tag-it™, FeliCa™
Dimension	9cmx22cmx29cm (WxHxD)
Bluetooth	Bluetooth 2.1/2.0/1.2/1.1 compliant, connection range up to 20 meters
Compliance	FCC, ICS, CE and RoHS
Operating Temperature	0 up to +40 centigrade
Storage Temperature	-15 up to +50 Centigrade
RFID Read Range	Up to 250 mm on each side of the blade reader antenna with 50mm book tags. Users may experience different read range, depending on the tag type they use

Bluetooth Connection

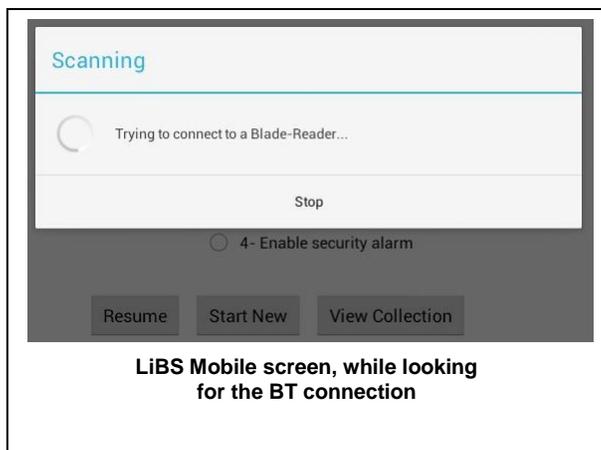
- Open the box and take out the BR10 and Tablet,
- Power up the Tablet by pressing the small button on the side of the tablet,
- Power up the BR10 by pressing the power button,
- Click on the LiBS Mobile icon that is on the desktop of the tablet,



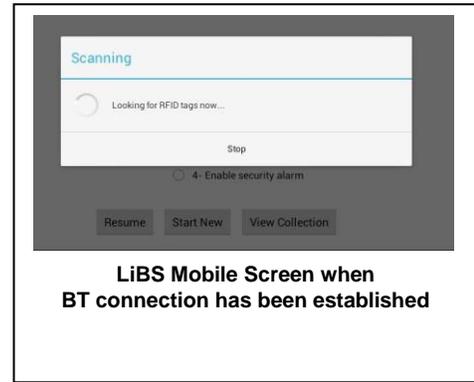
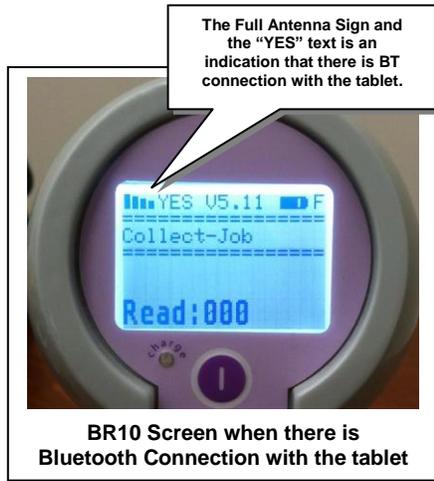
- Once the LiBS Mobile software is running on the tablet, you should see the following screens for both the BR10 and the Tablet.



- Once Start New button is pressed on the tablet Screen, you will briefly see the following screen that shows the tablet is trying to establish Bluetooth connection with the BR10.



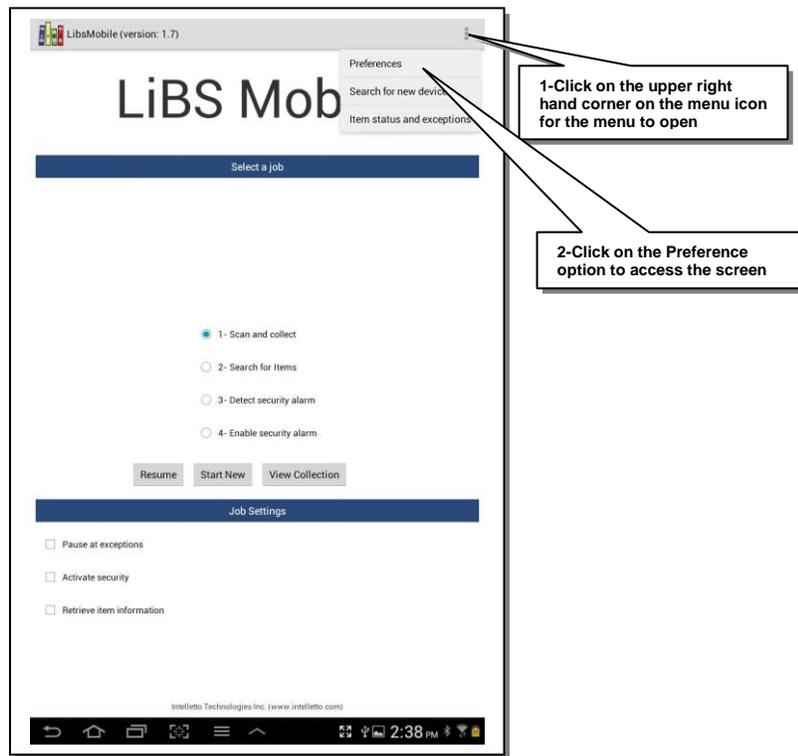
- Once the Bluetooth Connection is established, BR10 will beep and both the BR10 and the tablet screens will look as follows:



- If after passing a couple of seconds, a BT connection can not be established, meaning the BR10 screen continues showing empty antenna, and LiBS Mobile screen says Trying to connect , please refer to the details discussed on **Preference screen, Preferred Blade Reader MAC Address** control.

Preference screen

The **Preference** screen allow the user to access the settings of LiBS Mobile. User can access Preference screens through main page, upper right hand corner, as shown below.



The **Preference** screen – shown below – contains controls for the following setup:

Preferences

DEFAULT BLUETOOTH DEVICE

Preferred Blade-Reader Mac address
Enter the Mac address (##:##:##:##:##:##)

SECURITY PREFERENCES

Security Type
Select the type of security from the list

AFI Check out

AFI Check in

ILS SYSTEM SETTINGS

SIP Server
Set ip address for remote server (i.e. SIP Server)

Terminal user name

Terminal server password

Port

SIP User

SIP Password

Institution Identification

APPLICATION FOLDER

Collection folder
A folder on SD card for storing collection files

Import folder
A folder on SD card for import files

EMAIL ADDRESS

Email address
Scan data will be sent to this email address at your request.

Navigation icons: back, home, recent apps, scan, menu, up arrow, expand, USB, battery, 2:39 PM, Bluetooth, Wi-Fi, signal strength.

Bluetooth Devices

Preferred Blade Reader Mac Address

Clicking on this option will invoke a screen that allows user to specify the Mac Address of the Blade Reader.

In order to find out the Mac Address of the Blade Reader, take the following steps:

- Turn off the Blade Reader,
- Press and hold button one of the Blade reader, while it is off,
- While holding buttons 1, turn the Blade reader On,
- When you see the Blade Reader displaying *BT Set, Please Wait*. let go of the button 1.
- The Blade reader will now display it's Mac Address.

Security Preferences

Security Type

This screen allows user to select security preference. User can select either EAS or AFI or both.

AFI Check out

User can specify the value of AFI when the tag AFI status is updated to checked out.

AFI Check in

User can specify the value of AFI when the tag AFI status is updated to checked in.

ILS System Settings

SIP Server

User can specify the IP address of the SIP server.

Terminal user name

User can specify the terminal user name for the SIP connection.

Terminal server password

User can specify the terminal password for the SIP connection.

Port

User can specify the port number for the SIP connection.

SIP User

User can specify the ILS user name for the SIP user.

SIP Password

User can specify the ILS password for the SIP user.

Institution Identification

User can specify the institution associated with the ILS SIP user.

Application Folder

Collection Folder

User can specify the name of the folder that will contain data collected during various scanning and data collection operations.

Import Folder

User can specify the name of the folder that LiBS Mobile will look to in order to load data used for search purposes.

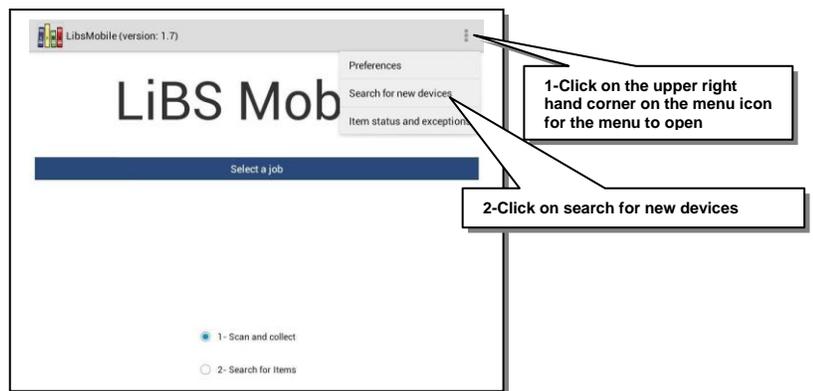
Email address

Email address

User has the option to email the collected data as a file attachment. When emailing, the sender email address will be specified by this preference option.

Search for New Device

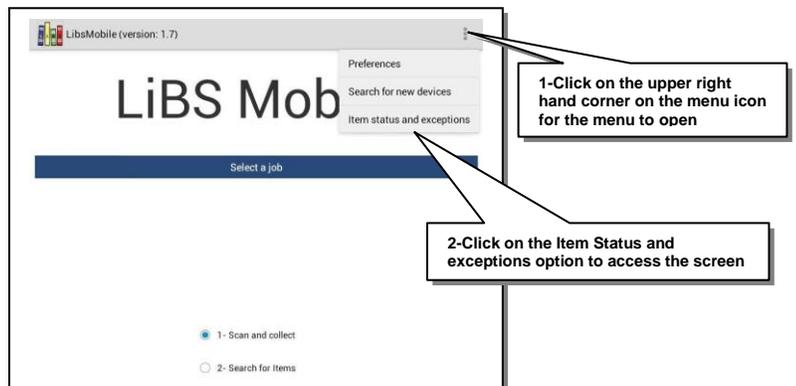
This functionality allows user to find other BR10 devices to connect to without going through the steps of finding the BR10 MAC address and keying in through the preference screen. This is most usefull for environments when you have multiple BR10 devices and you might want to use a Different one each time you use your tablet.



Item Status and Exceptions

Item status and exceptions screen allows the user to update the description of item statuses and as well specify which of these statuses can be viewed as exceptions during **Scan and collect**.

If a status is identified as an exception, during **Scan and collect** cycle and if **Retrieve item information** check box is checked, then the handheld will warn the user that an exception has been encountered.



Main LiBS Mobile Screen

Scan and Collect

Scan and collect enables user to scan a collection of RFID data. The limit of the data collected is the amount of the memory space available on the tablet device.

Pause at exceptions

If this check box is checked AND if exceptions have been defined through **Item status and exception** screen, the BR10 will warn the user through the BR10 screen that an exception has been encountered. The user can override the exception and continue by pressing Button I on the BR10 keypad.

Activate security

If this check box is checked, the security of each RFID tag scanned will be set to active position according to the security settings of the **Preference** screen.

Retrieve Item Information

If this check box is checked, the item status and description information is retrieved from ILS during the RFID scan cycle. This feature is most useful where users are working in areas of the library where a wireless connection to the SIP server is not available or it is intermittent. This way the user can continue with collecting the data and then attempt to retrieve information later when the collection is complete. Please refer to the **View Collection** section below for explanation on how the retrieval after the collection can be performed.

Start New

When pressing **Start New** for **Scan and collect**, LiBS Mobile deletes the previous collection and starts a new collection of data acquired through the BR10.

Resume

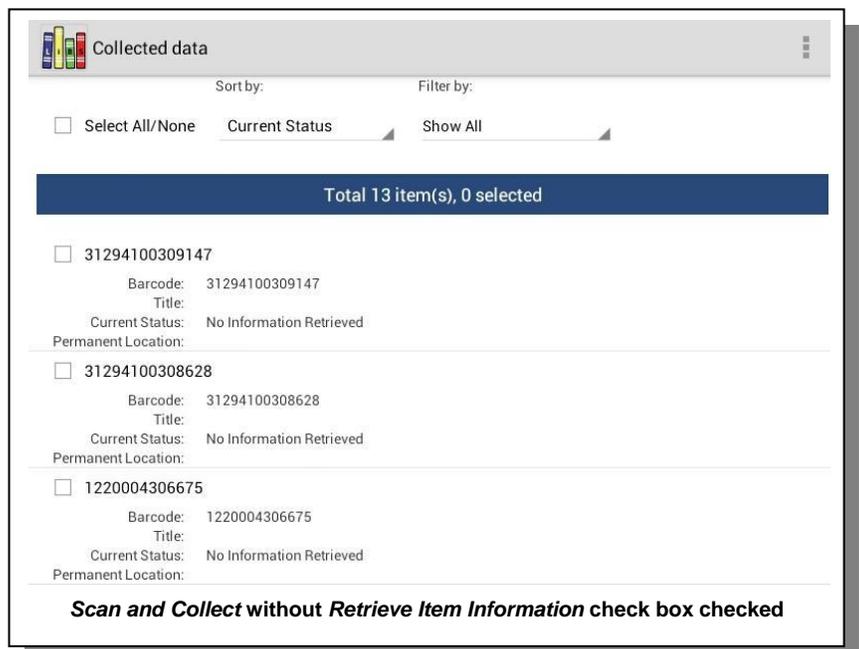
After viewing the collection acquired so far, user can continue collecting data and adding to the existing collection by pressing **Resume**.

View Collection

User can view the collection that they have acquired so far during **Scan and collect**. Results of a **Scan and Collect** session where **Retrieve Item Information** check box has been unchecked is shown in the following screen.

Looking at the data collected on the screen to the right, you can see that Title, Current Status and permanent location are not retrieved during data collection.

In order to retrieve item information later the user should invoke the menu option on the top right hand side of the Collected data screen and select the related menu option.



This is demonstrated in the screen capture on the right of this page.

All operation on this screen depends on item selection. The user has to select the items by checking the checkbox that is to the left side of each item and then proceed to invoke the menu on the upper right hand corner of the screen and select the menu option that performs their desired operation.

The check box titled **Select All/None** located on the Upper left corner of the **Collected data** screen can be used to facilitate the process of selecting/unselecting large number of records.

Transfer selected items by email

Selecting this menu option on the **Collected data** screen will cause a collection of the selected items to be emailed to any email address that the user enters. The From email address has to be entered on **Preferences** screen. The collected data will be sent as a text file attachment.

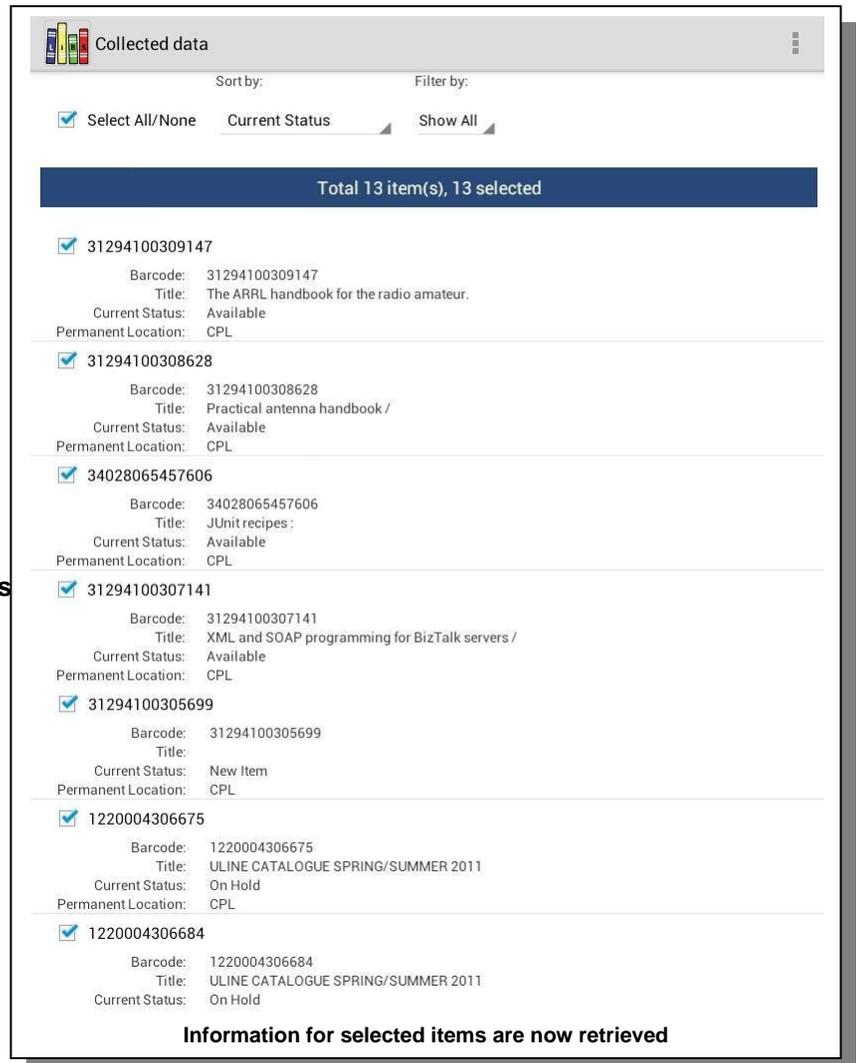
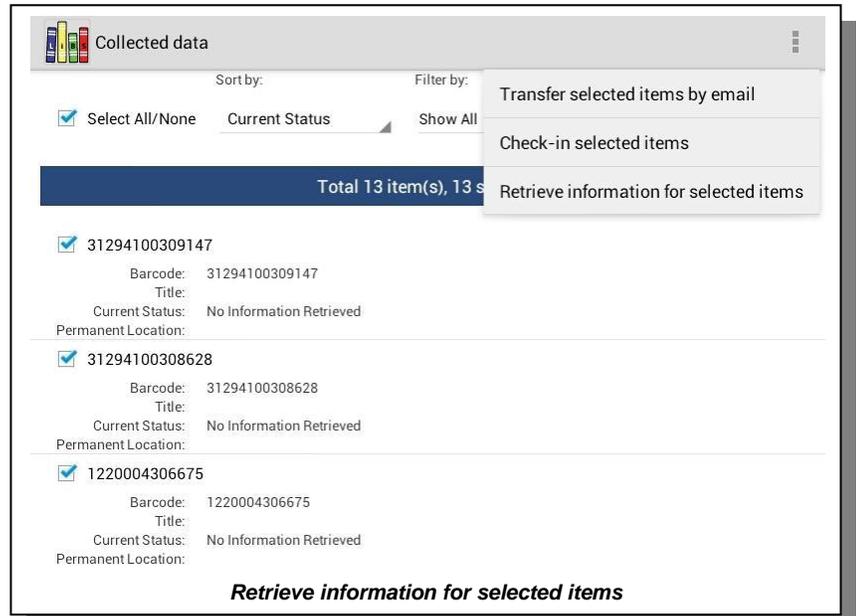
Check-in selected items

Selecting this menu option on the **Collected data** screen will cause the selected items to checked-in the ILS through SIP connection.

Retrieve Information for selected items

Information retrieval can take place for selected items. Therefore the user has to select the items by checking the checkbox that is to the left side of each item and then proceed to invoke the menu on the upper right hand corner of the screen and select the menu option for **Retrieve information for selected items**.

The screen to the right now shows that the information for each item has been retrieved. As you see title, current status and permanent



location of each item is now present on the list.

Sort by

User has the option to sort the view of **Collected data** screen by **Current Status**, **Barcode**, **Permanent Location** and **Title**.

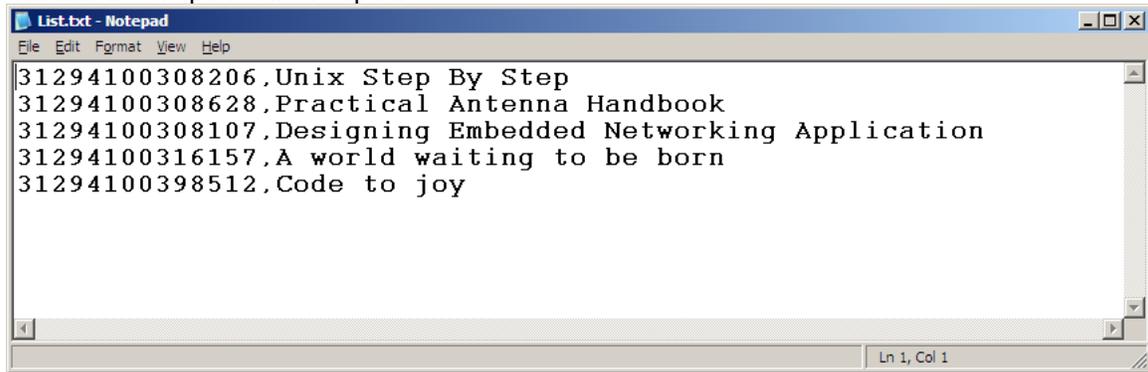
Filter by

User has the option to filter the view of **Collected data** screen by a distinct list of statuses that exist among the collected data. i.e. the filter criteria is constructed dynamically from statuses of the collected items.

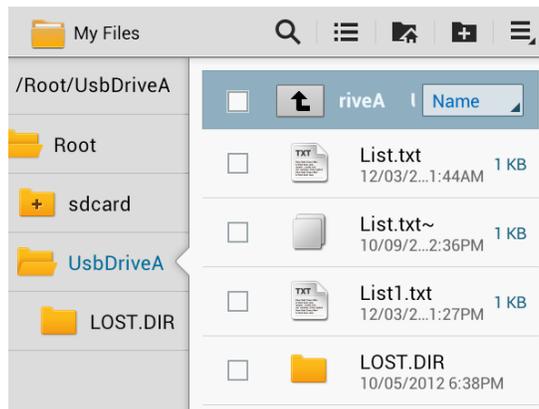
Search for Items

Search for Items enables user to look for predefined items that are imported through a list. The limit of the list of data to be looked for is the amount of the memory space available on the SD card or UDB memory stick that is used to import the information.

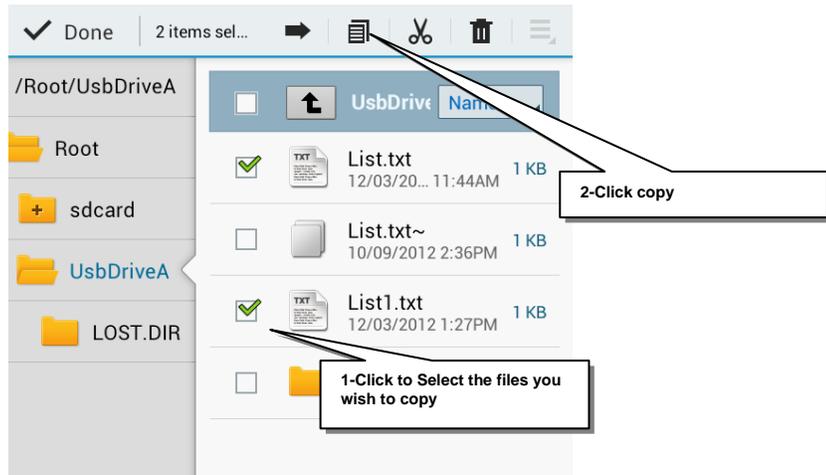
In order to import your list of item, simply save your list in a text file. Following is a simple .txt file that has been opened in Notepad.



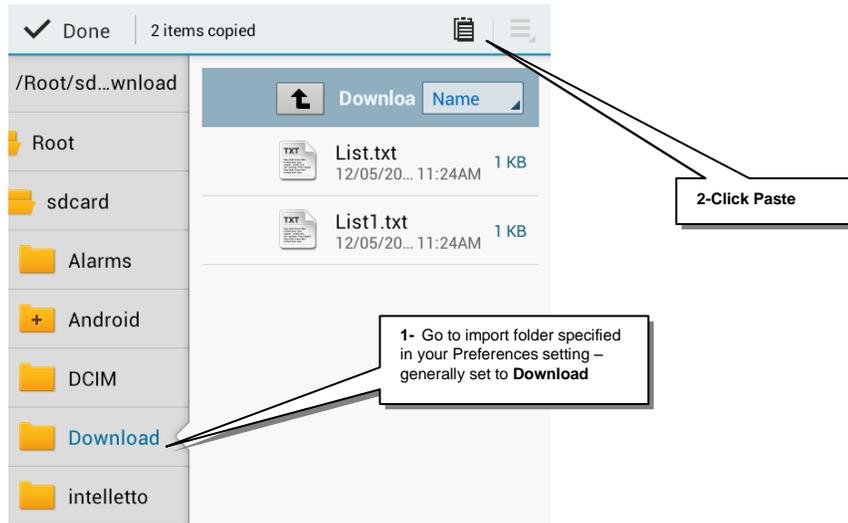
Copy your .txt file on an SD card or a memory stick. Then use the connection accessories that come in the connection kit of your Android device to plug in your SD card or a memory stick into the Android Tablet. The following screen pops up:



Once you see the screen, select the files you wish to load by ticking the check box to the left and then press copy.

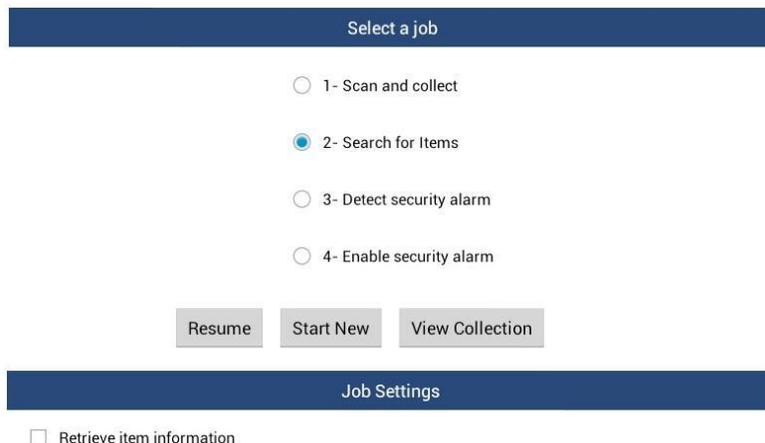


Once you have copied the files, go to import folder specified in your Preferences setting – generally set to Download – and paste the file by pressing the paste icon as shown below:

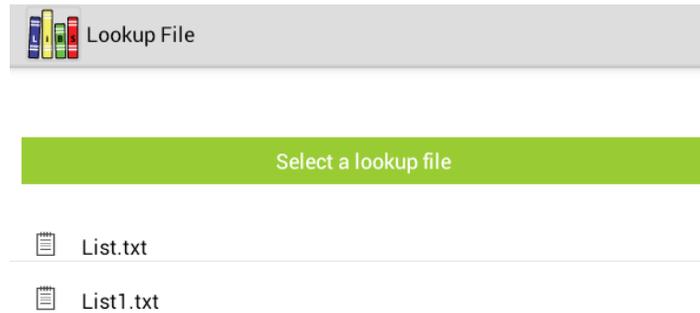


Start New

Click **Search for Items** and press **Start New**.



LiBS Mobile loads a list of files from **Import folder**. This folder can be set through the **Preference** screen. The screen looks as follows:



Once the file is located, tap on the file and LiBS Mobile will load the information in the file and start looking for the data that is in the file. The file is a simple text file where each line contains an item barcode and a book title.

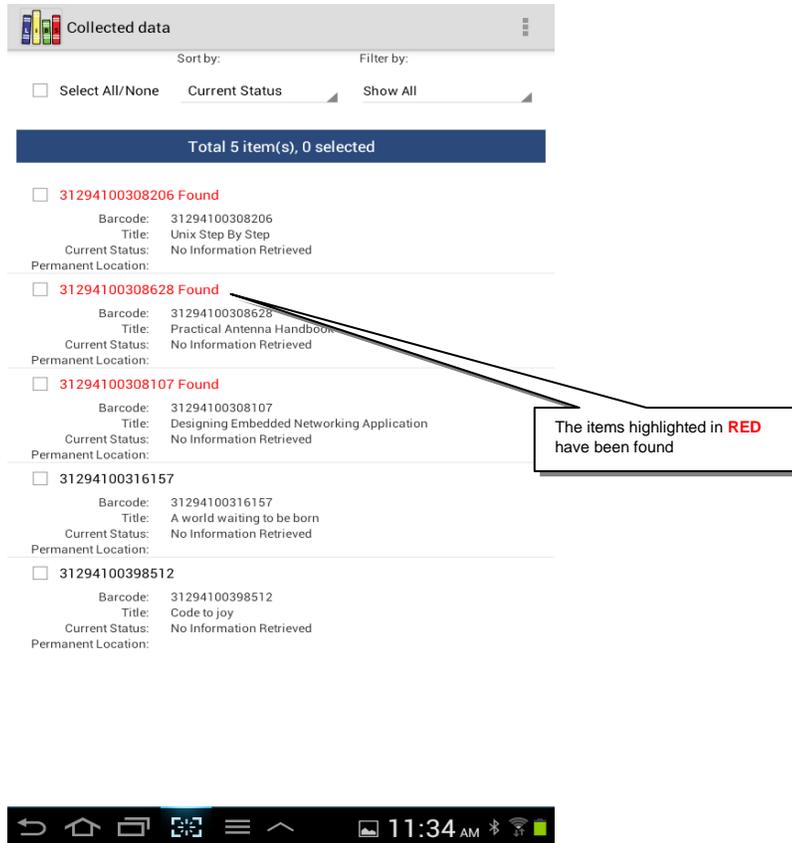
Each time an item is found the BR10 will display the title. The user can then press any button on the BR10 to continue with the search. Following screen shot shows the BR10 screen when the book "*Practical Antenna Handbook*" has been found:



Pressing any key on the BR10 keyboard will cause the search to continue. Following screen shot shows the BR10 screen when all the books in the list have been found:



If all the items were not found, you can view a list of the items and find out which ones have been found and which ones have not been found, click on View Collection when Search for Item is selected on the main screen and you will see the following:



The items that are highlighted in **RED** have been found.

Retrieve Item Information

If this check box is checked, item information is retrieved from ILS during the RFID scan cycle. This feature is most useful where users are working in areas of the library where a wireless connection to the SIP server is not available or it is intermittent. This way the user can continue with collecting the data and then attempt to retrieve information later when the collection is complete. Please refer to the **View Collection** section below for explanation on how the retrieval after the collection can be performed.

Resume

After viewing the search results acquired so far, user can continue searching and adding to the existing search results collection by pressing **Resume**.

View Collection

User can view the collection that they have acquired so far during **Search for Items**. All functionality of this section is exactly the same as the **View Collection** functionality of **Scan and collect**.

Detect Security Alarm

Allows user to scan a collection of RFID tagged books and look for items that have their security set to activate position according to the security settings of the **Preference** screen.

Enable Security Alarm

Allows user to scan a collection of RFID tagged books and set the security status of each RFID tag to activate position according to the security settings of the **Preference** screen.