



# **LiBS Mobile Version 1.9 Lite RFID Shelf Management User Manual**

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## About LiBS Mobile Lite

Intelletto LiBS Mobile Lite for RFID Shelf Management is a high performance application designed for RFID shelf management in library environments. The Lite version does not require a live SIP connection to the ILS system.

## Product Components

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



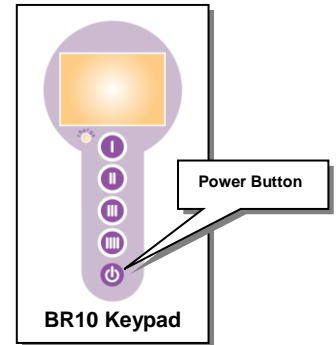
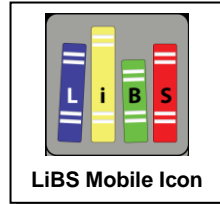
## Product Characteristic

Intelletto BR10 Blade Reader

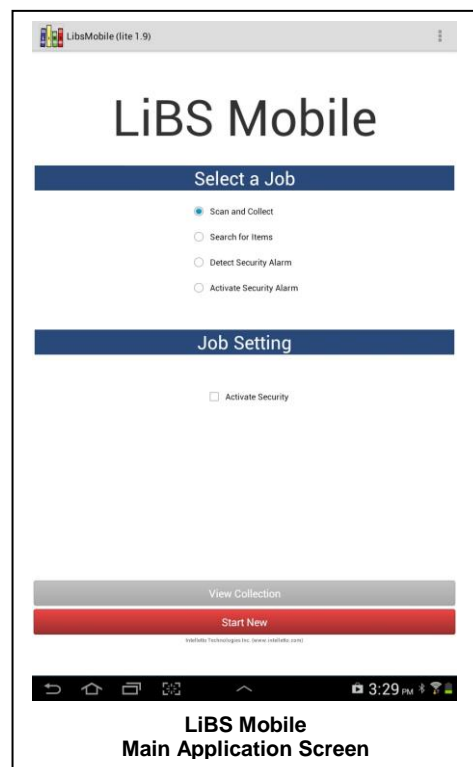
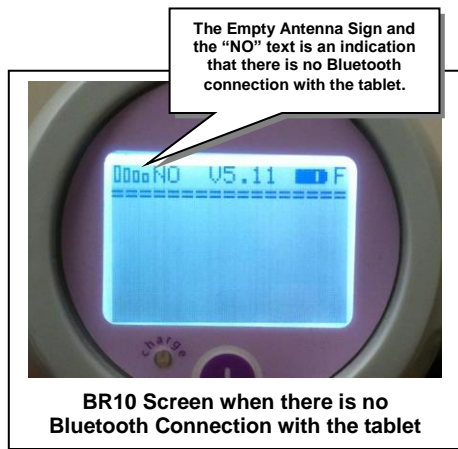
Item	Description
Model No.	BR10-A
Frequency	13.56 MHZ
Baud rate	115200 bps
User Interface	4 Tactile switches, Buzzer and a 102x64 LCD display with back light
RF Power	¼ Watt
Battery Pack	17Wh, 7.2V Lithium Ion, 8 hours of full scanning operation
Charger	9 Volt 1Amp DC adaptor (2.1mm center positive Jack)
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

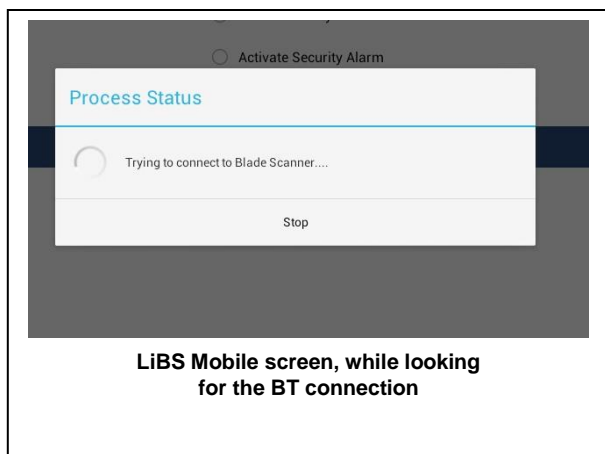
- Open the box and take out the BR10 and Tablet,
- Power up the Tablet by pressing the small button on the side of the tablet,
- Power up the BR10 by pressing the power button,
- Click on the LiBS Mobile icon that is on the desktop of the tablet,



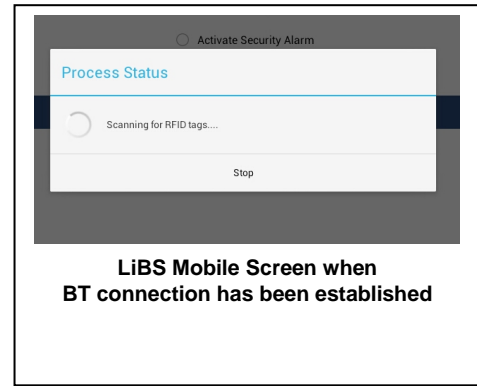
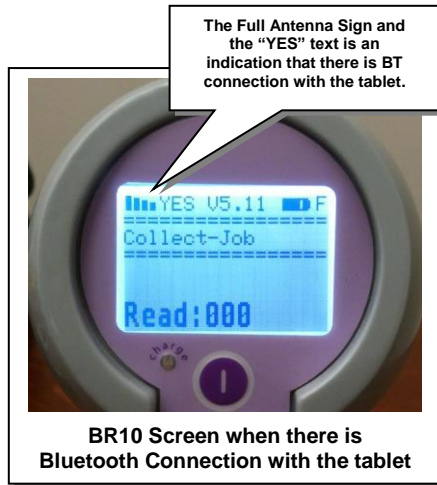
- Once the LiBS Mobile software is running on the tablet, you should see the following screens for both the BR10 and the Tablet.



- 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.



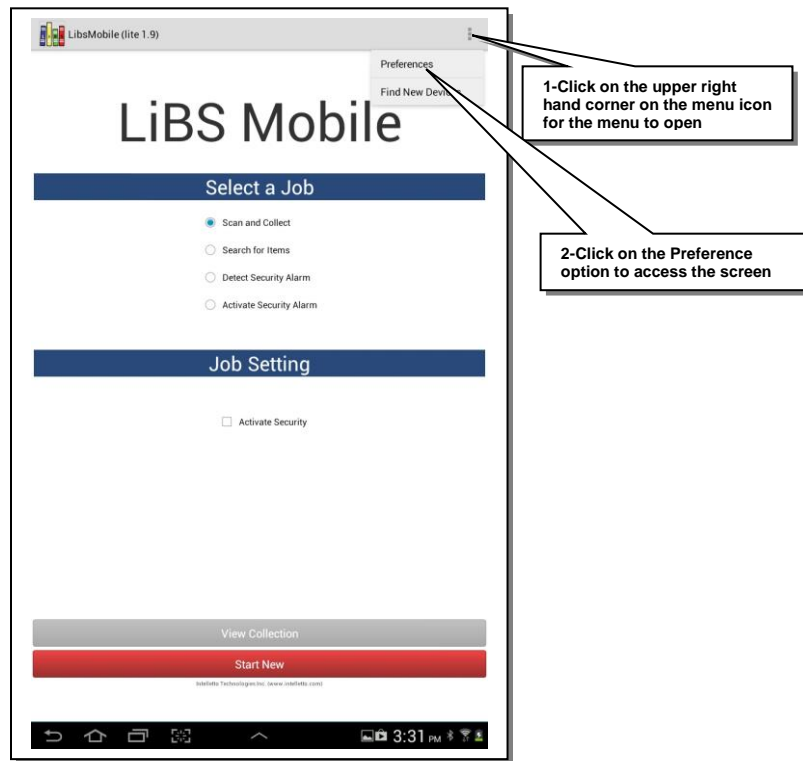
- Once the Bluetooth Connection is established, BR10 will beep and both the BR10 and the tablet screens will look as follows:



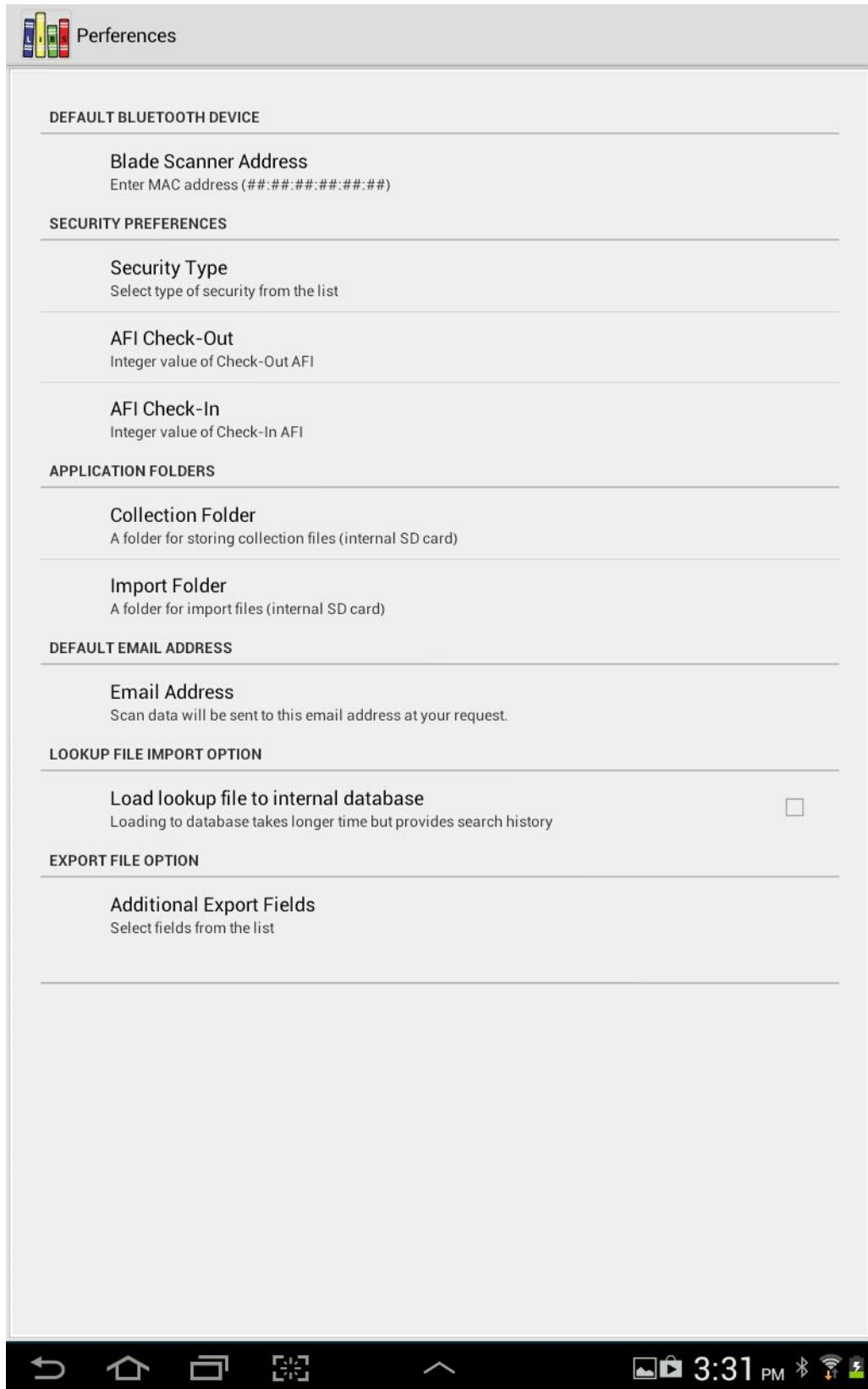
- If after passing a couple of seconds, a BT connection can not be established, meaning the BR10 screen continues showing empty antenna, and LiBS Mobile screen says Trying to connect , please refer to the details discussed on **Preference screen >> Default Bluetooth Device >> Blade Scanner Address** 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:



## Default Bluetooth Device

### Blade Scanner 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.

## Application Folders

### 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 email address will be defaulted by this preference option.

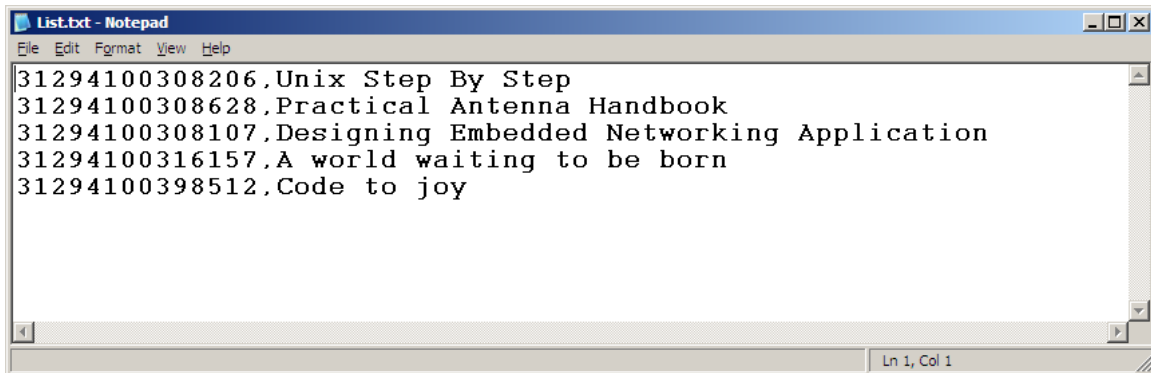
## Lookup File Import Option

This check box allows the user to load the search file into tablet memory, or to load it into an internal database. This option is useful when user is looking for a large number of books and they wish to keep a history of their search. For example if the user is looking for 20,000 books, they might wish to have it loaded once and saved into internal database. Loading 20,000 books into internal database takes about 23 minutes, but afterwards it is saved and the user can use the resume option to continue their search each time they stop. Alternatively loading 20,000 books into memory takes 1 ½ minutes, after which the tablet will only show user a list of found items and

there is no resume option. i.e. each time the user begins search they have to wait 100 seconds for loading 20,000 items. The search file can contains the following fields:

- Barcode,
- Title,
- Author,
- Call Number,
- Location

If any of the fields are missing in the middle, the user can simply use N/A instead. If a file as follows is used, the system will assume that the rest of the information is missing,

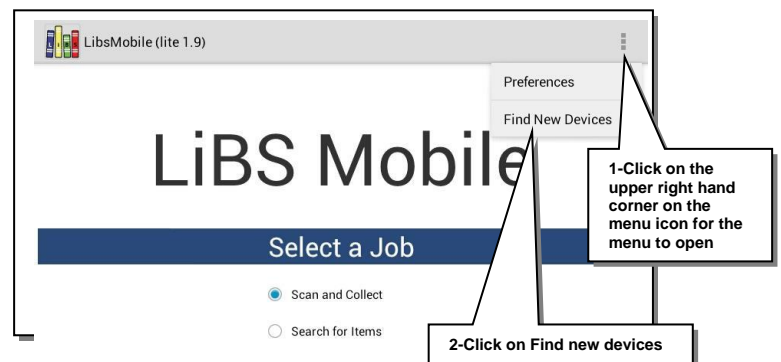


## Export File Option

This option allows the user to control the information items that they wish to appear in their export collection that could be emailed.

## Find 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.



## 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.

### 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.

### 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 is shown in the screen to the right.

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.

## Email Selected Items

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.

## Sort Criteria

User has the option to sort the view of **Collected data** screen by **Barcode, Title** ... etc.

## Results Filter

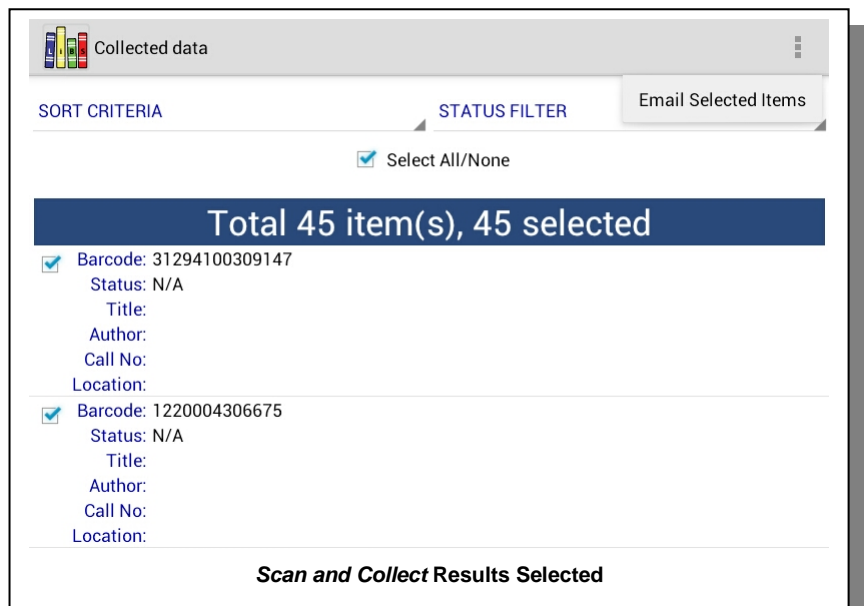
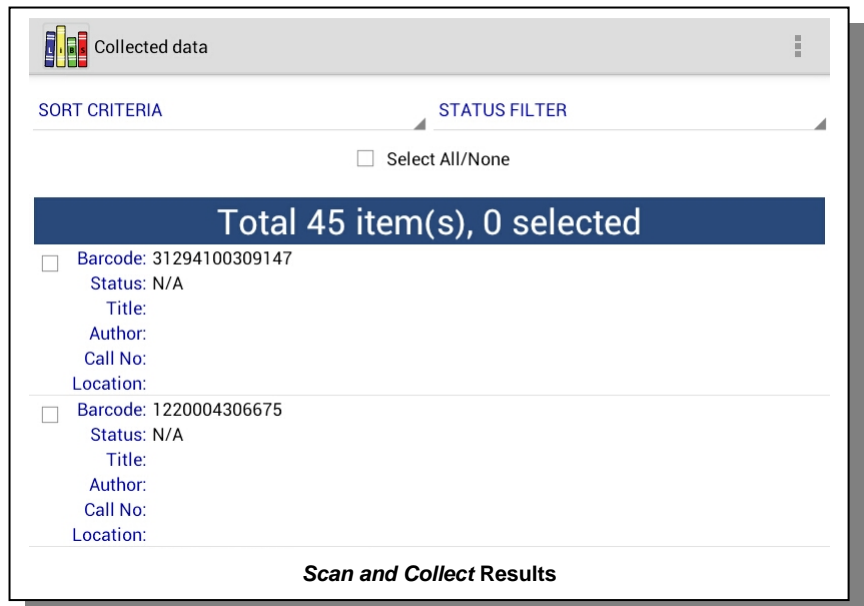
This option is used in Search screen.

## Status Filter

This option is used in LiBS Mobile Full version.

## File Filter

This option is used in Search screen.



## Search for Items

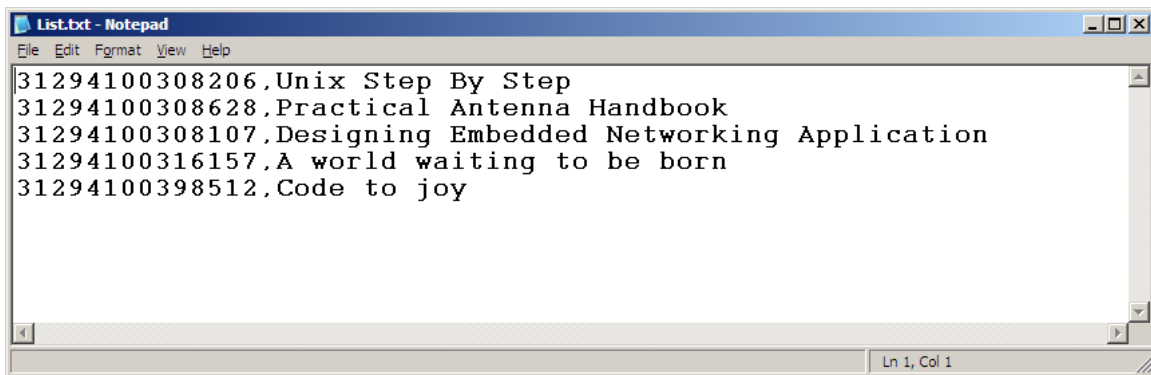
Search for Items enables user to look for predefined items that are imported through a list. The limit of the list of data to be looked for is the amount of the memory space available on the SD card or UDB memory stick that is used to import the information.

The user has the option to load multiple lists from different files. In such case the contents of the files will simply be appended at the end of each other.

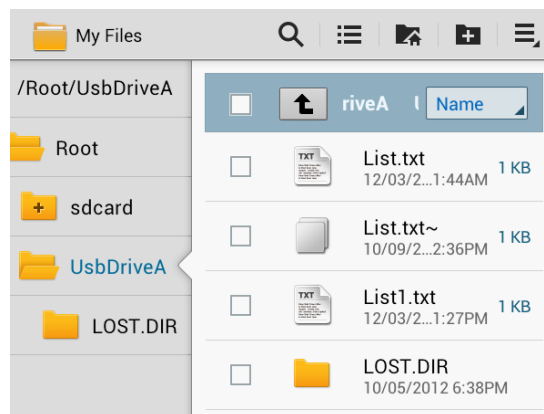
The search file can contains the following fields separated by comma in this order:

- Barcode,
- Title,
- Author,
- Call Number,
- Location

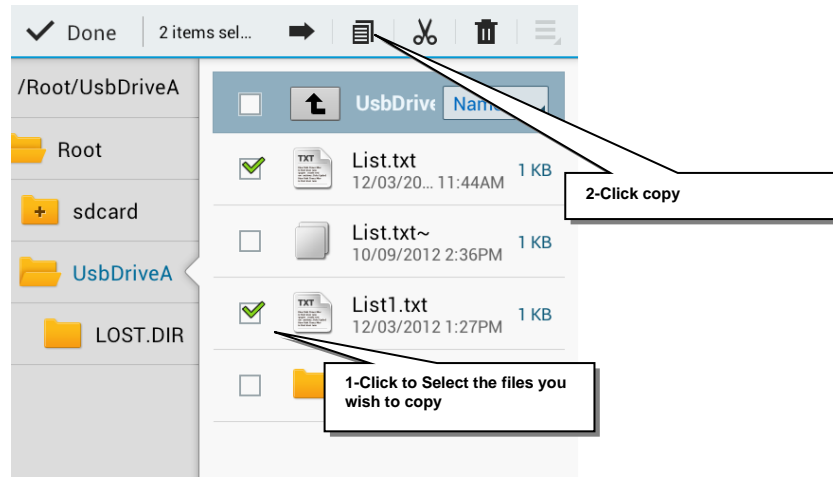
If any of the fields are missing in the middle, the user can simply use N/A instead. If a file as follows is used, the system will assume that the rest of the information is missing,



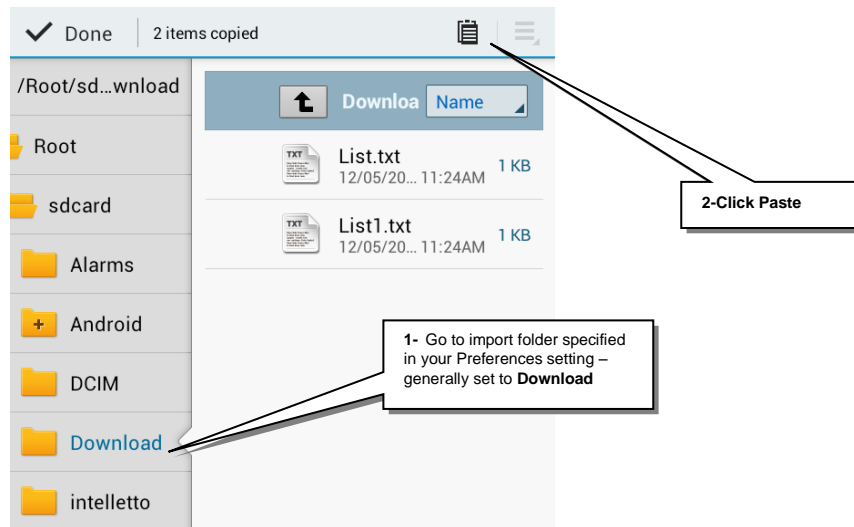
Copy your .txt file on an SD card or a memory stick. Then use the connection accessories that come in the connection kit of your Android device to plug in your SD card or a memory stick into the Android Tablet. The following screen pops up:



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

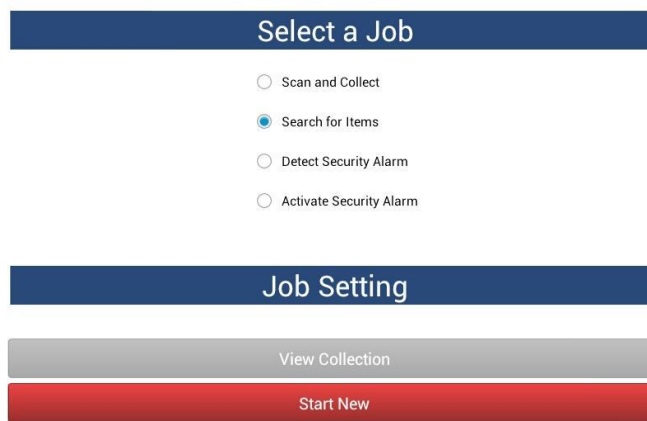


Once you have copied the files, go to import folder specified in your Preferences setting – generally set to Download – and paste the file by pressing the paste icon as shown below:

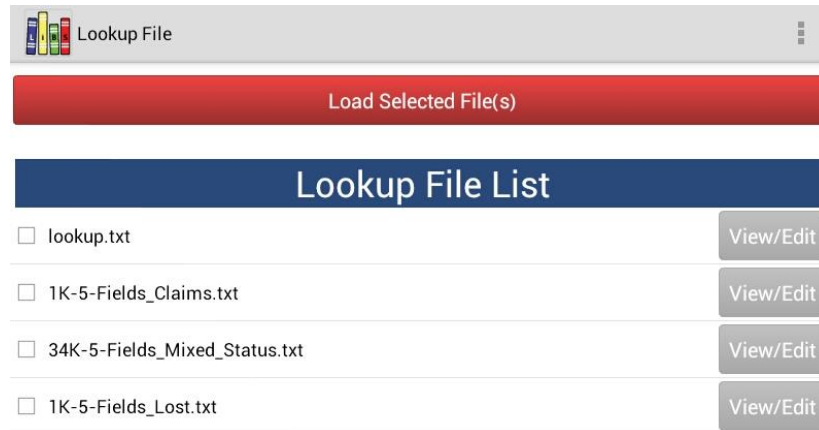


### Start New

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

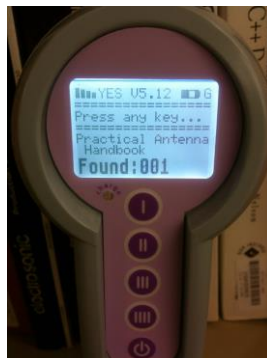


LiBS Mobile loads a list of files from **Import folder**. This folder can be set through the **Preference** screen. The screen looks as follows:



Once the file is located, tapping on View/Edit will open the file for editing. Check the box to the left of the file and click **Load Selected File(s)** and LiBS Mobile will load the information in the file(s) and start looking for the data. The file is a simple text file where each line contains an item barcode and a book title , ... etc. The user has the option to load multiple lists from different files. In such case the contents of the files will simply be appended at the end of each other.

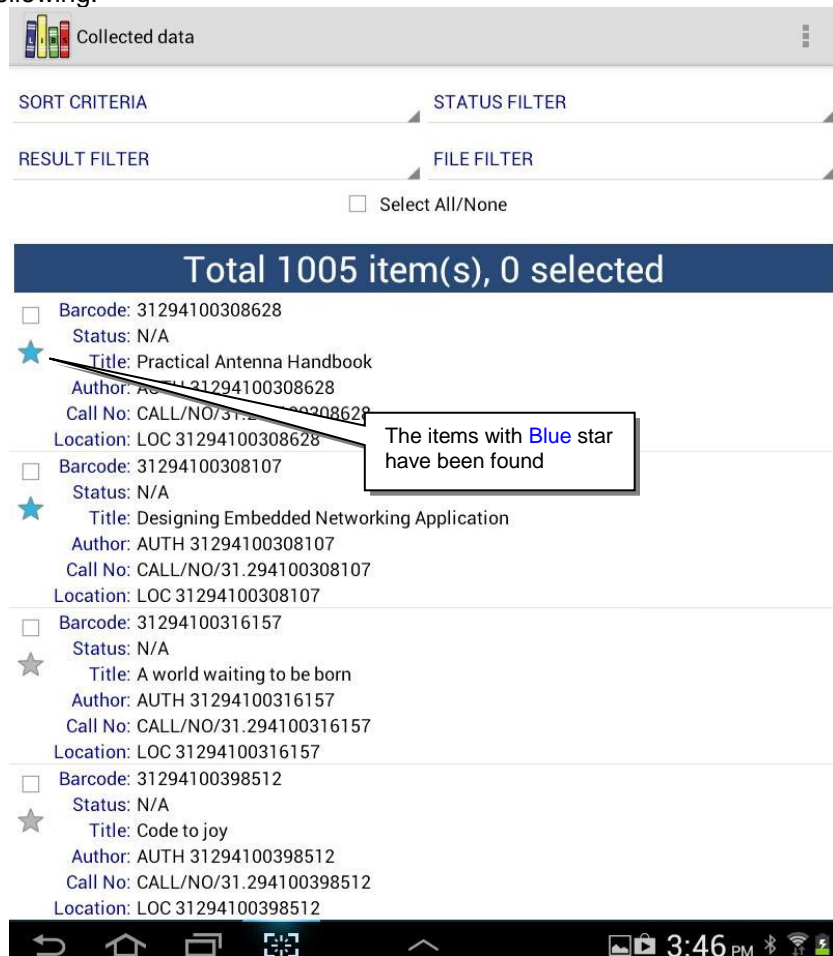
Each time an item is found the BR10 will display the title. The user can then press any button on the BR10 to continue with the search. Following screen shot shows the BR10 screen when the book "*Practical Antenna Handbook*" has been found:



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 the **Lookup File Import Option** in the **Preference** screen is set to load into internal database, both found and not found items will be displayed, otherwise only a list of found items will be displayed. Click on View Collection when Search for Item is selected on the main screen and you will see the following:



The items with **Blue star** have been found.

### Sort Criteria

User has the option to sort the view of **Found/Not Found data** screen by **Barcode**, **Title** ... etc.

### Results Filter

This option is used to show **Found/Not Found** data.

### Status Filter

This option is used in LiBS Mobile Full version.

### File Filter

This option is used to show data separated by the text file they came from.

## **Resume**

If the **Lookup File Import Option** in the **Preference** screen is set to load into internal database, 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.