BIXOLON®

Software Manual

Food Labeling App

Android

Ver.1.06

www.bixolon.com

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Caution

Some semiconductor devices are easily damaged by static electricity. You should turn the printer “OFF”, before you connect or remove the cables on the rear side, in order to guard the printer against the static electricity. If the printer is damaged by the static electricity, you should turn the printer “OFF”.

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1. Manual Information

This manual offers information on how to use Food Labeling App in Android settings. the food labeling app is a useful app for printing labels that contain the expiration date of food ingredients, nutrients, and information about food. When install the app, three different label formats, food safety, nutrition, fresh are contained.
The description of each format, please refer to the contents of the 3-1 manual.

2. Operating Environment

2-1 Operating System

• Android OS V7.0 and later

2-2 Interface

• USB

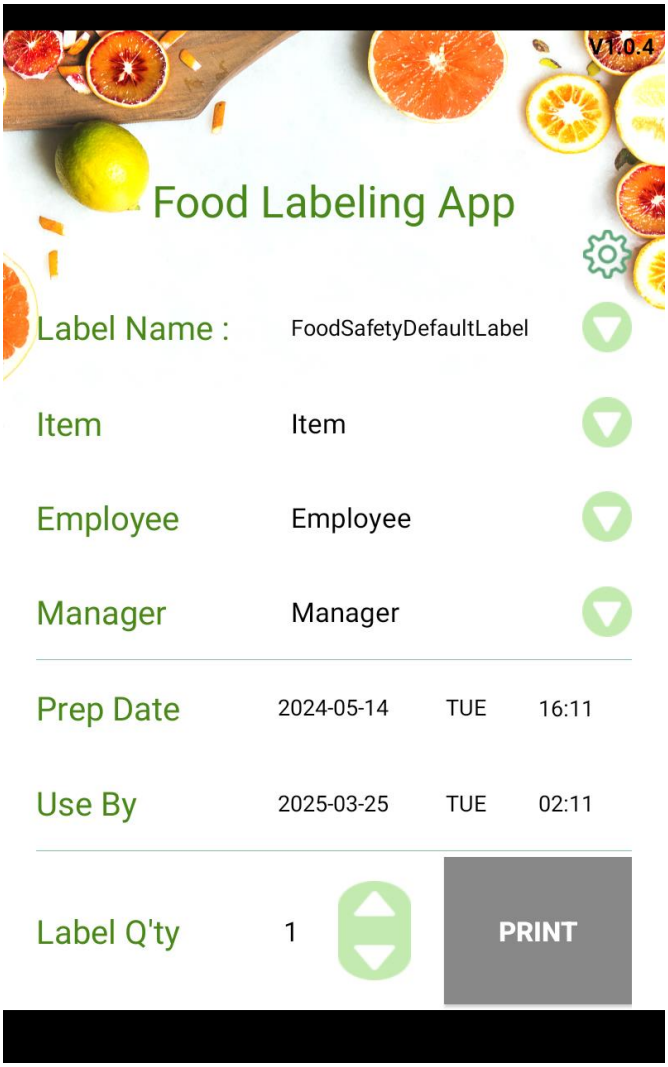
2-3 Printer Support

• XQ-840/843
• XQ-840II/843II

3. Function Details

3-1 Main

• You will see the screen below when you open the Food Labeling App.



1) Label Name

Select the label to edit or print from the saved label list. When entering the first screen of the Food Labeling App after installing the app, three labels are automatically generated: Food Safety Default Label, Nutrition Default Label, Fresh Default Label.

1-1) Food Safety Default Label

This is the default label format that can be used to print the expiration date of food ingredients. You can easily change the product name and print it by linking the barcode scanner. For more information, please refer to using the 3-1-4 barcode scanner

1-2) Nutrition Default Label

It is a default label format that can be used to indicate the nutritional content of food (carbide, protein, fat content, etc.).

1-3) Fresh Default Label

This is a default label format that can be used to indicate the weight and price of food.

2) Item

Choose the Item

3) Employee

Choose the employee

4) Manager

Choose the manager

5) Made Date/Ready Date

Choose the made date/ready date
The day of the week is automatically defined upon date selection.

6) Prep Date/Ready Time

Choose the prep date/ready time
Use the refresh button on the right to select the current time.

7) Use By

Upon Item selection, this value is automatically defined as the expiry date saved in the database for the selected Item and is brought up for reference.

Among the above menus, information about Item, Employee, Manager, Made Data/ Ready Date, Prep Data/Ready Time, Use By is valid only when using the Food Safety label format. For details of adding/deleting each item, please refer to each item in the manual.

8) Q'ty

Choose the Quantity. You can choose from a single label to as many as 99 labels.

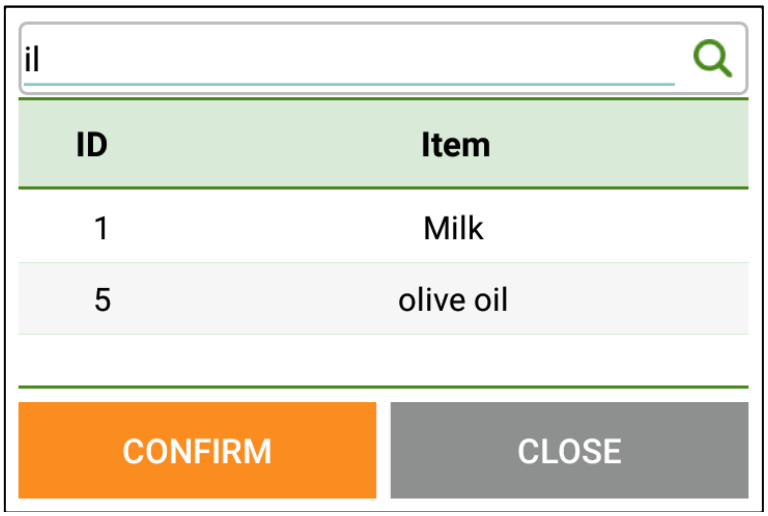
9) Settings

Move to the database management and print setting page.

10) Print

Print a label.

3-1-1 Item Selection

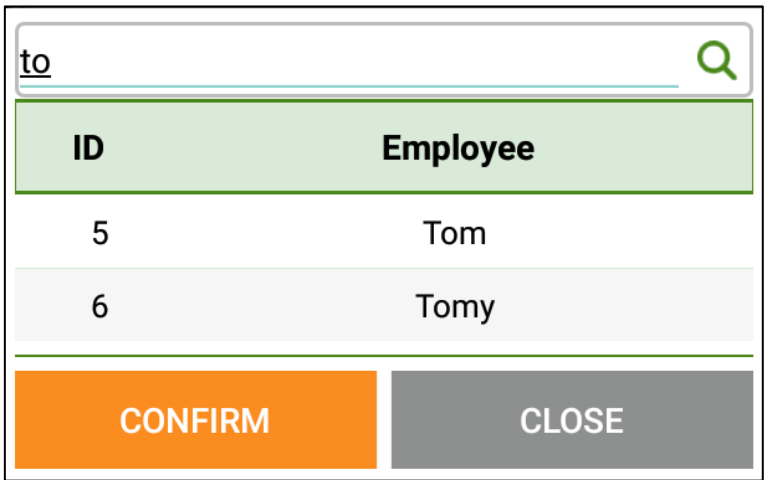


1) Choose a Item from the Item list pop-up.

2) The selected Item is highlighted in yellow.

3) Press "CONFIRM" to apply the Item details.

3-1-2 Employee Selection

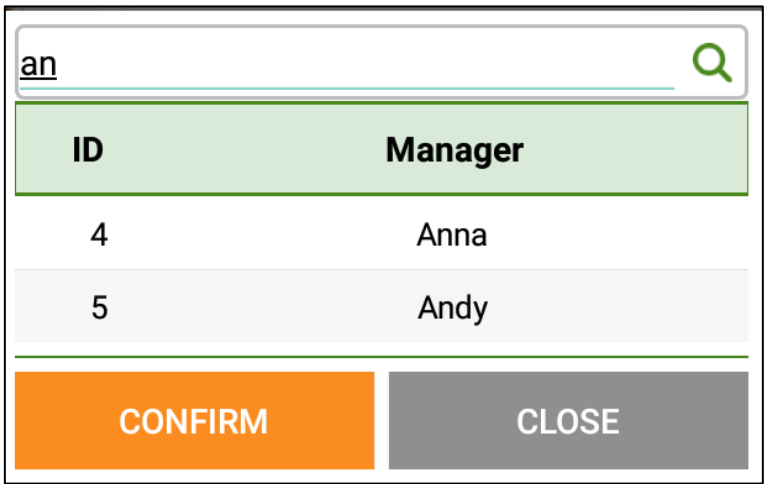


1) Choose a employee from the employee list pop-up.

2) The selected employee is highlighted in yellow.

3) Press "CONFIRM" to apply the employee details.

3-1-3 Manager Selection



1) Choose a manager from the manager list pop-up.

2) The selected manager is highlighted in yellow.

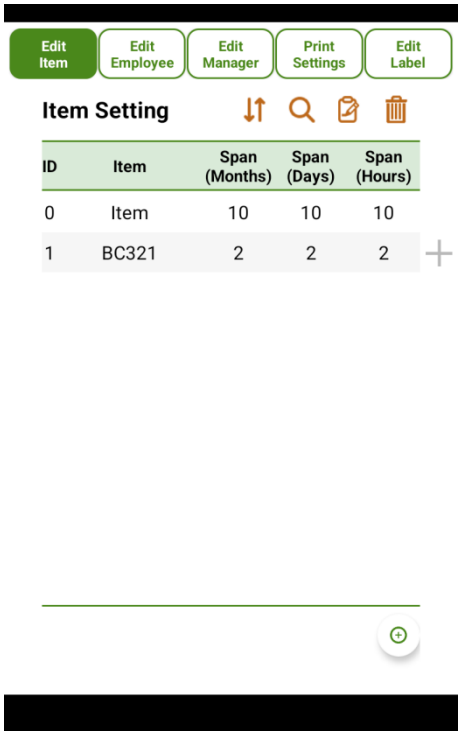
3) Press "CONFIRM" to apply the manager details.

3-1-4 Barcode scanner

When using the Food Safety Label type, you can easily change the product name by using the barcode scanner.

* Example

1) Register the product name. for details, please refer to the manual 3-2 item selection.



2) Prepare a barcode with registered product name data.



3) Connect the barcode scanner

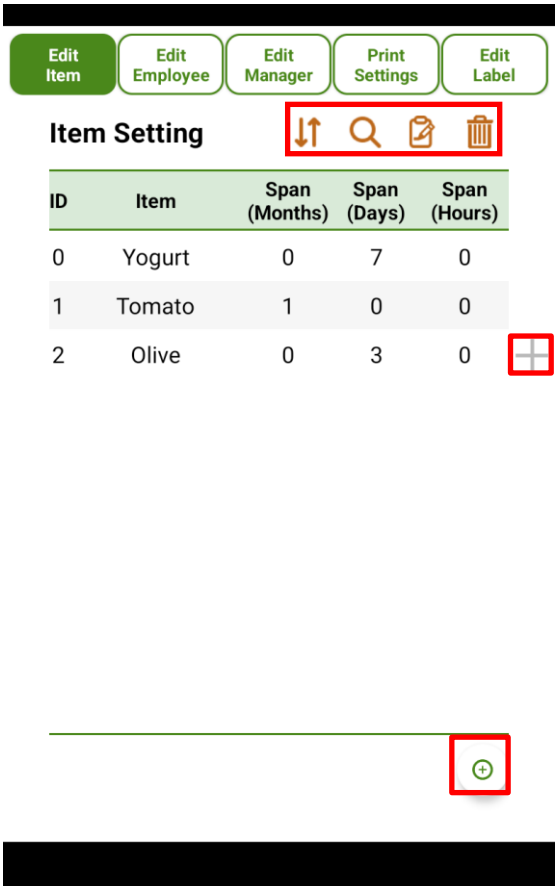
4) Scan the barcode prepared

5) Verify that the product name item changes to the scanned data.

*Support barcode scanner model
DS9908
Please contact the relevant departments for other model support.

3-2 Edit Item

• Manage Item information.



1) Sort Out

: Sort Item either from A to Z or Z to A.

2) Search

: Search Item.

3) Edit

: Edit Item information.

4) Select and Delete

: Select and delete a Item.

5) Add a Row

: Add a new row.

6) More Details

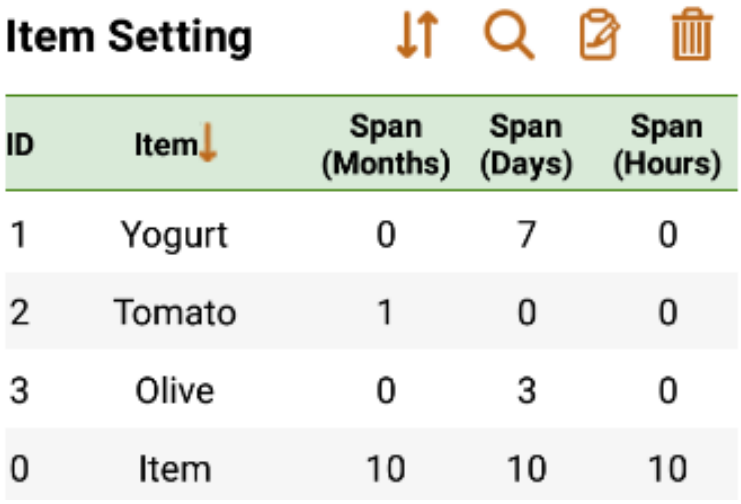
: Press this to see Advanced Settings.

> Please refer to **3-6 Advanced Settings** for further information on More Details.

3-2-1 Sort Out

Sort Items.

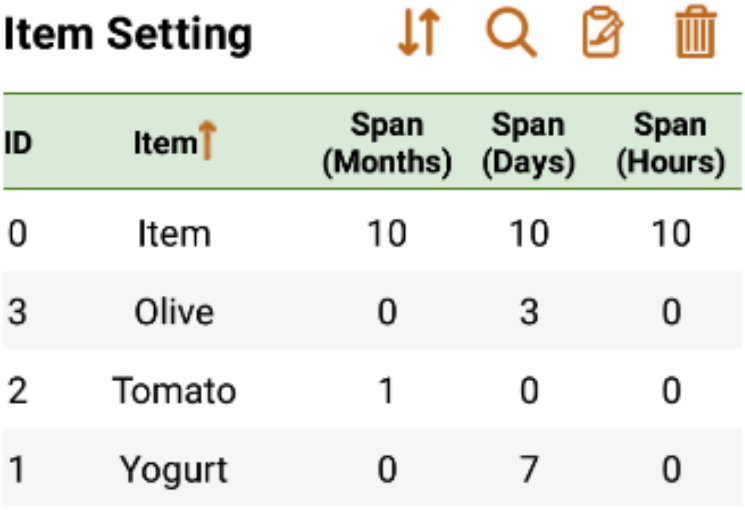
▪ If you press the Sort Out button, the accounts will be displayed in descending order.



Item Setting

ID	Item	Span (Months)	Span (Days)	Span (Hours)
1	Yogurt	0	7	0
2	Tomato	1	0	0
3	Olive	0	3	0
0	Item	10	10	10

▪ If you press the Sort Out button while the Items are displayed in descending order, the accounts will be rearranged in ascending order.



Item Setting

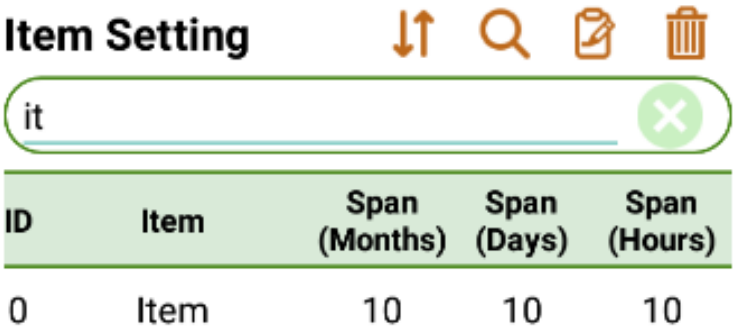
ID	Item	Span (Months)	Span (Days)	Span (Hours)
0	Item	10	10	10
3	Olive	0	3	0
2	Tomato	1	0	0
1	Yogurt	0	7	0

- You can press the header to sort the accounts.
- The accounts will be displayed in descending order first and then ascending order before reverting back to the initial arrangement.

3-2-2 Search

Search Items.

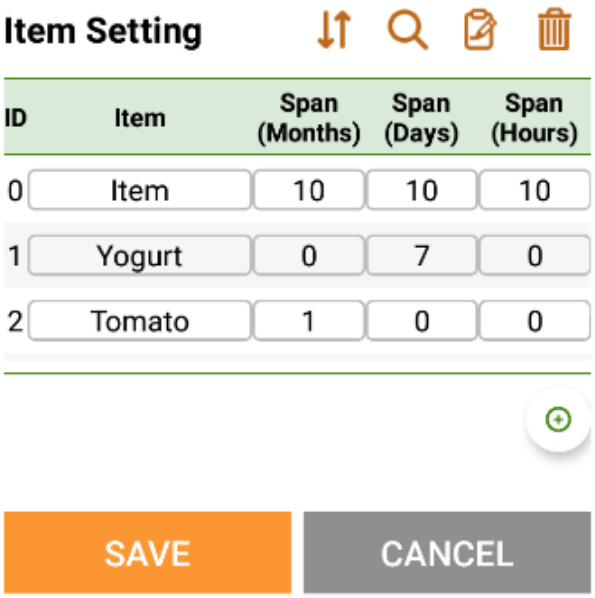
▪ Search Items by keyword included in the names.



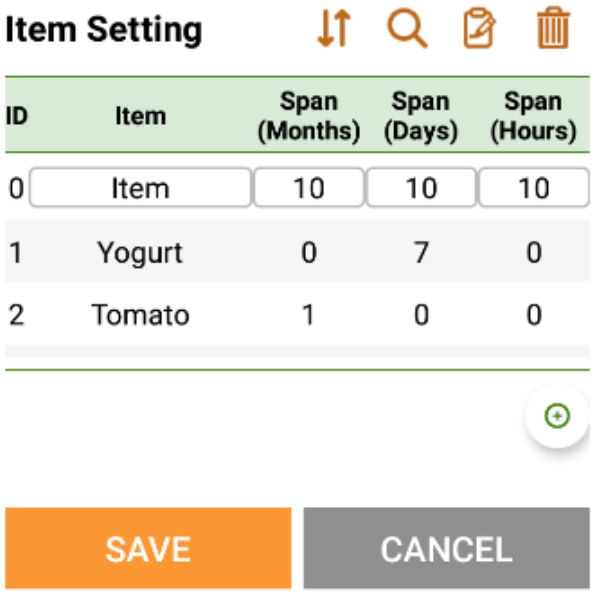
3-2-3 Edit

Edit Item information.

▪ After completely or partially updating Item information, press the "SAVE" button to save the changes.



▪ Press an item and hold to edit the individual item.

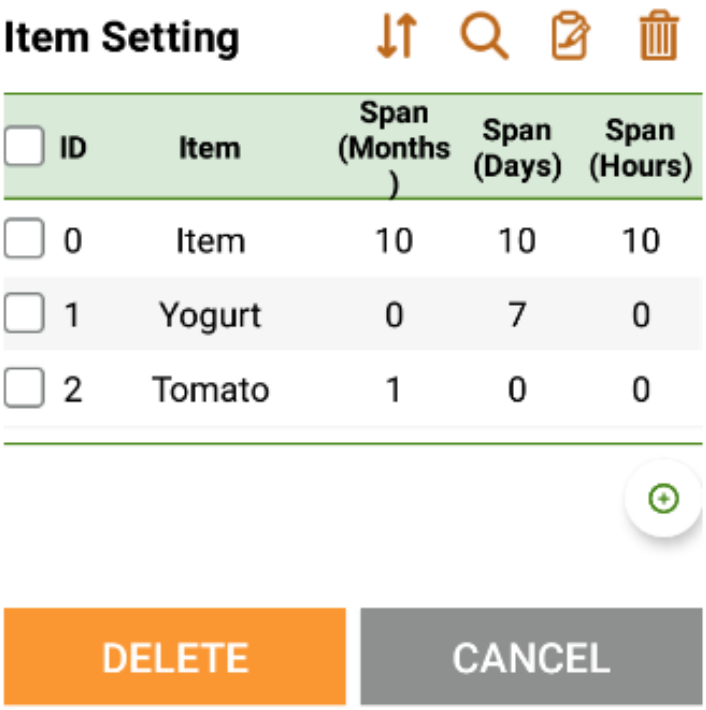


- ID cannot be altered.
- If you leave the menu without pressing the "SAVE" button, the changes will not be reflected in the data.

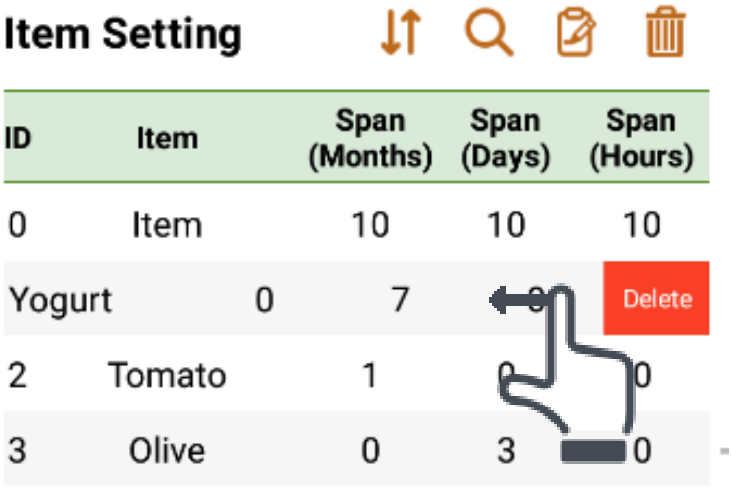
3-2-4 Select and Delete

Select and delete a Item.

▪ Select the item by ticking the corresponding box on the left.
▪ Tick the box on top to select all.



▪ Push a row to the left to remove an individual item.

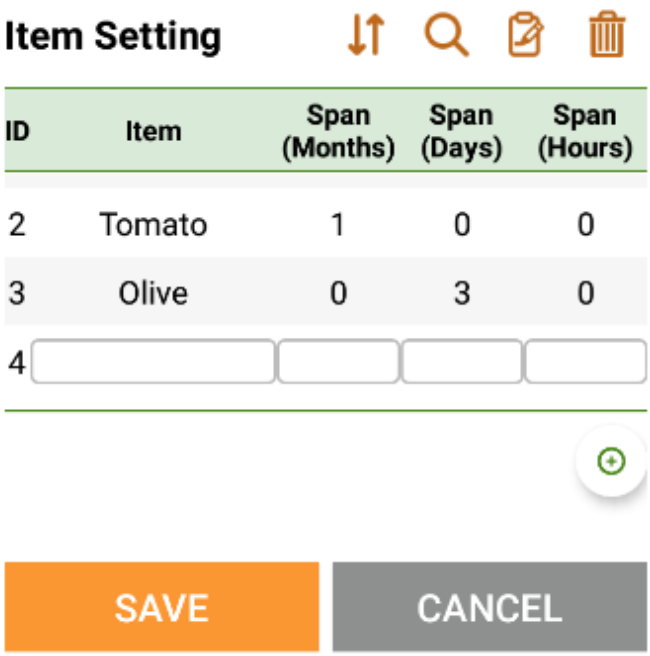


Deleted accounts cannot be restored.

3-2-5 Add a Row

You can add a Item here.

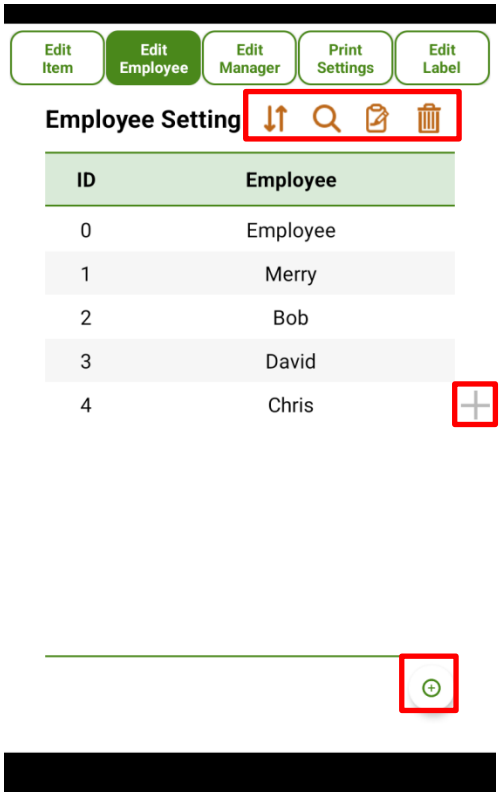
▪ After entering Item information, press the "SAVE" button at the bottom to save the changes.



- ID cannot be altered.
- If you leave the menu without pressing the "SAVE" button, the changes will not be reflected in the data.

3-3 Edit Employee/Manager

• Manage employee/manager information.



1) Sort Out

: Sort out employees/managers in ascending or descending order.

2) Search

: Search manage employee/manager.

3) Edit

: Edit employee/manager information.

4) Select and Delete

: Select and delete an employee/manager

5) Add a Row

: Add a new row.

6) More Details

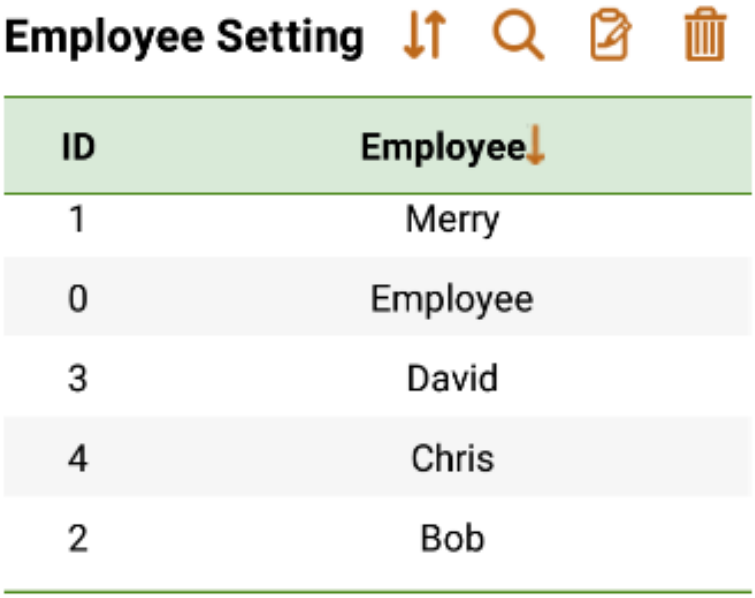
: Press this to see Advanced Settings.

Please refer to **3-4 Advanced Settings** for further information on More Details.

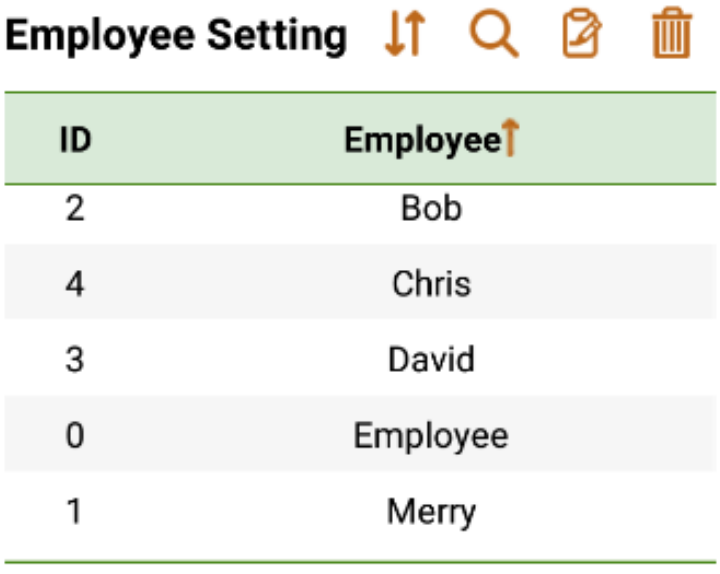
3-3-1 Sort Out

Sort employees/managers.

▪ If you press the Sort Out button, the accounts will be displayed in descending order.



▪ If you press the Sort Out button while the accounts are displayed in descending order, the accounts will be rearranged in ascending order.

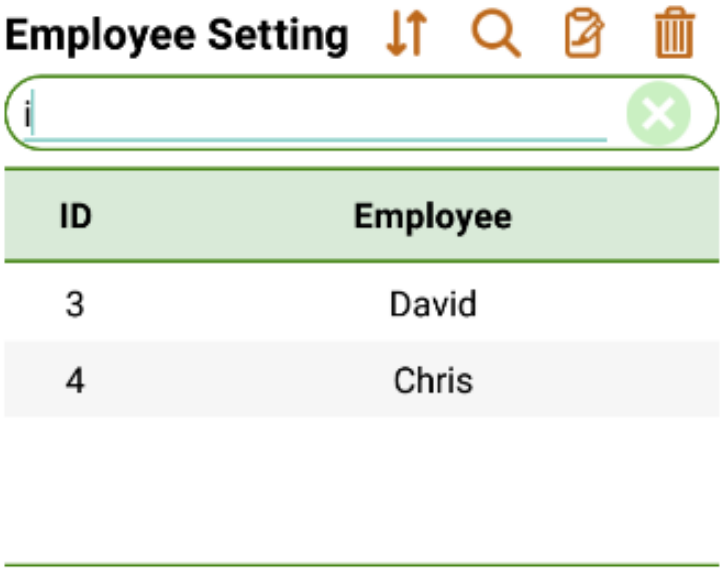


- You can press the header to sort the accounts.
- The accounts will be displayed in descending order first and then ascending order before reverting back to the initial arrangement.

3-3-2 Search

Search employees/managers.

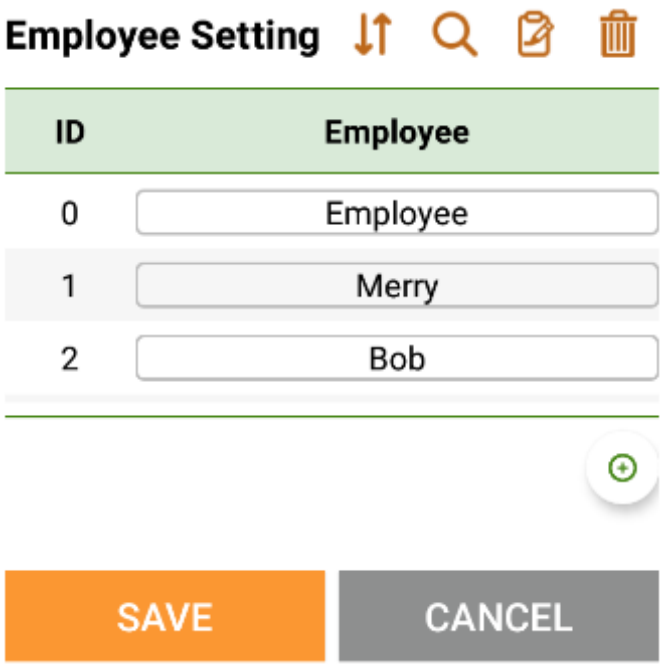
▪ Search employees/managers by keyword included in the names.



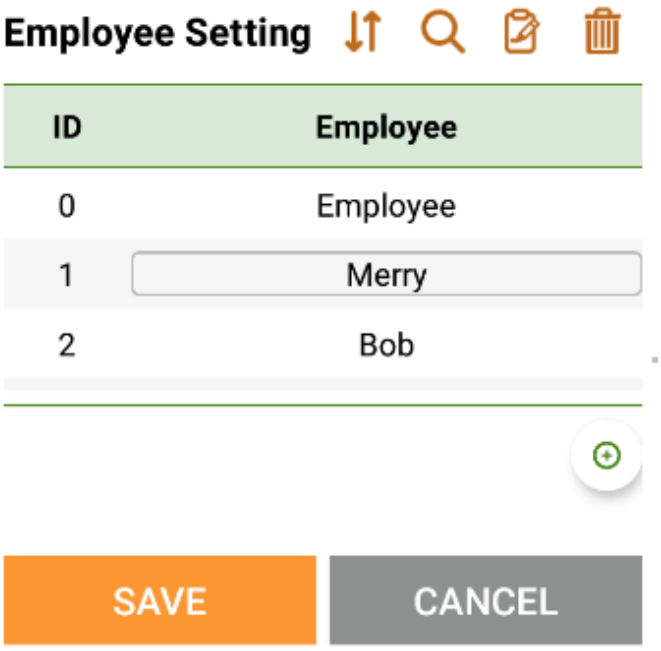
3-3-3 Edit

Edit employees/managers.

▪ After completely or partially updating information, press the "SAVE" button to save the changes.



▪ Press an item and hold to edit the individual item.

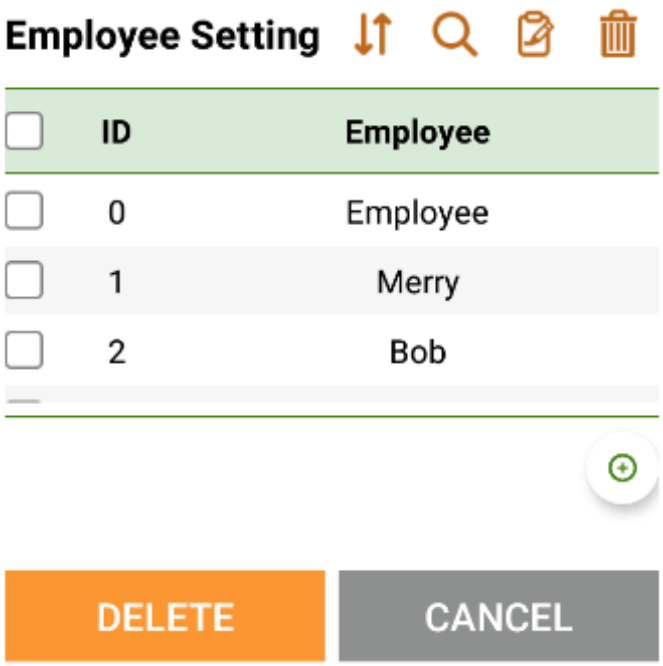


- ID cannot be altered.
- If you leave the menu without pressing the "SAVE" button, the changes will not be reflected in the data.

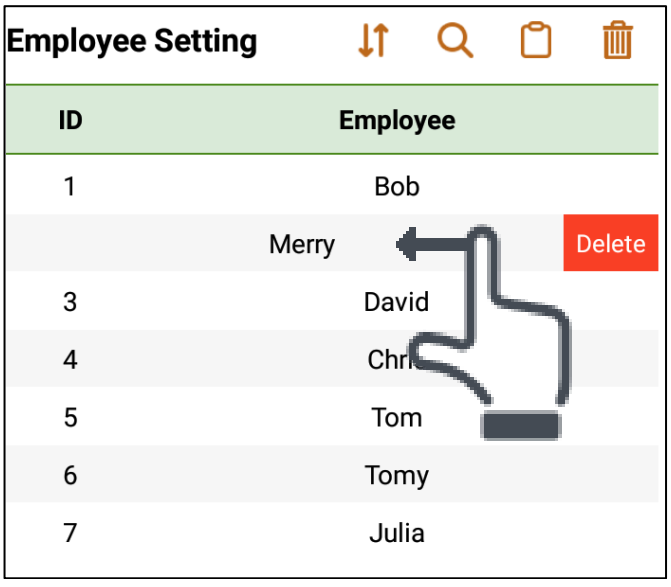
3-3-4 Select and Delete

Select and delete an employee or a manager.

▪ Choose an item you wish to delete by ticking a box on the left.
▪ Tick the box on top to select all.



▪ Push a row to the left to remove an individual item.

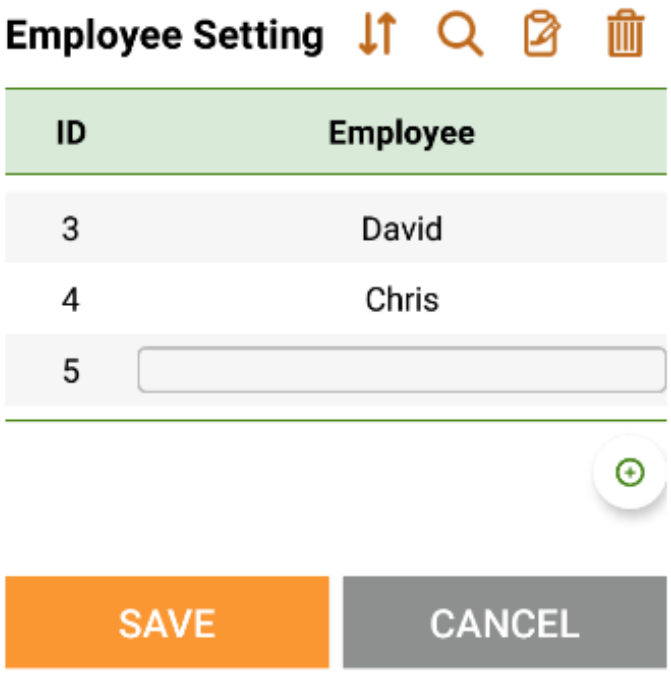


Deleted accounts cannot be restored.

3-3-5 Add a Row

Add an employee or a manager.

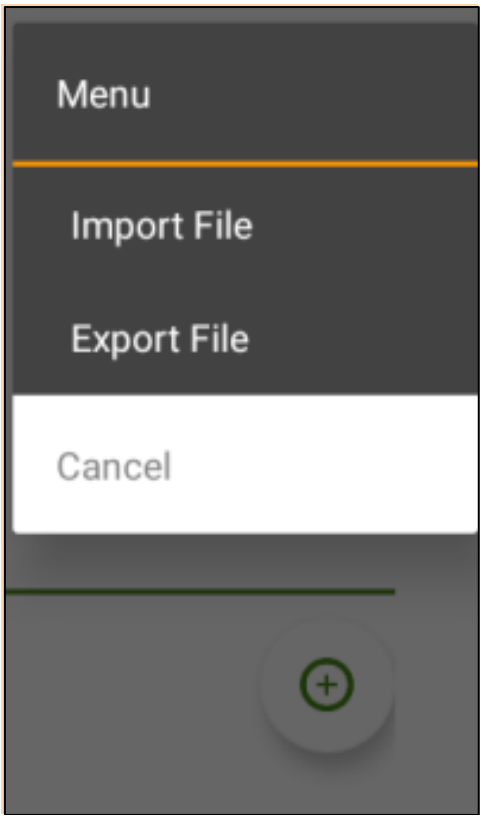
▪ After entering employee/manager information, press the "SAVE" button at the bottom to save the changes.



- ID cannot be altered.
- If you leave the menu without pressing the "SAVE" button, the changes will not be reflected in the data.

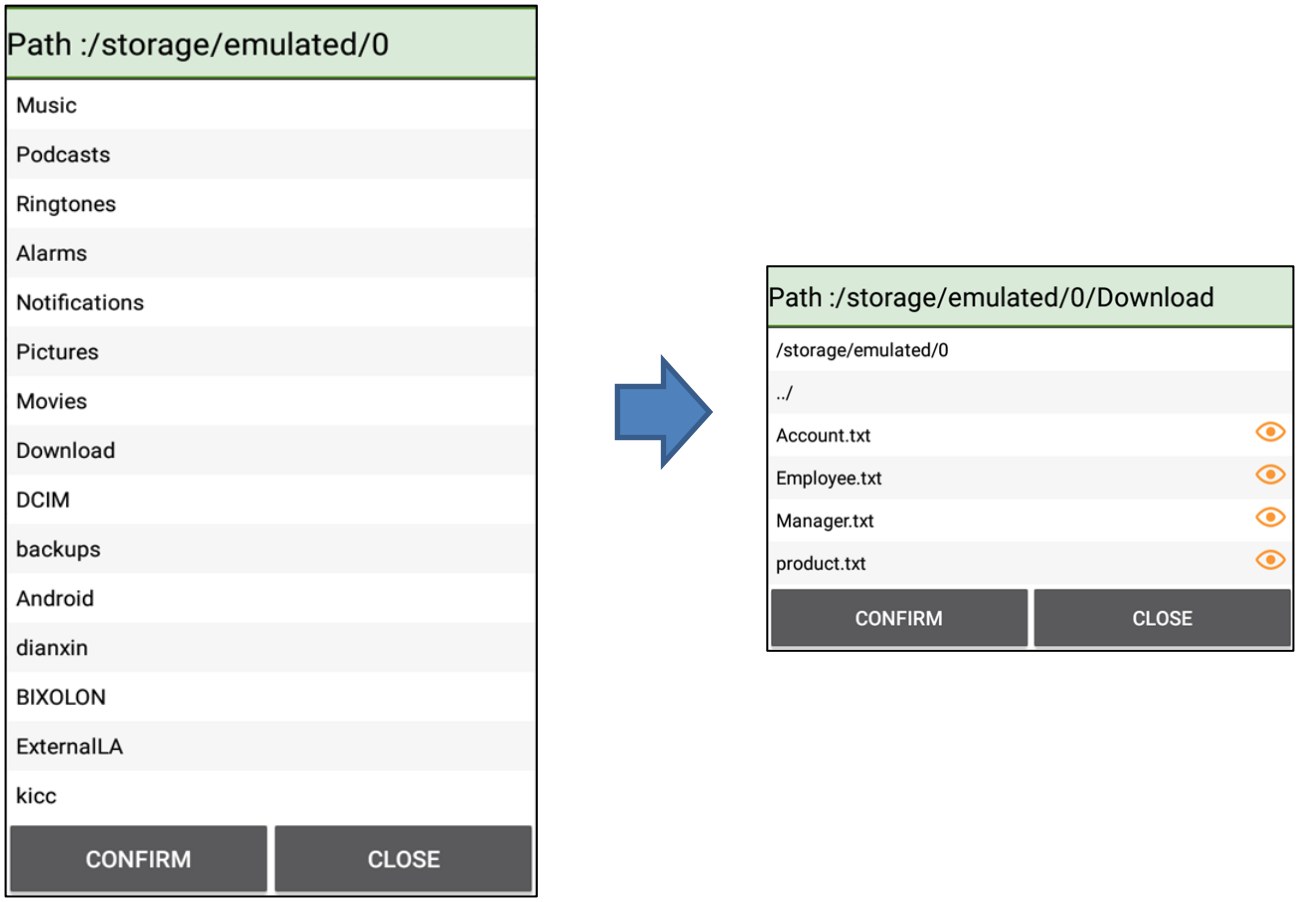
3-4 Advanced Settings

• This menu offers advanced settings for Item, employee or manager.

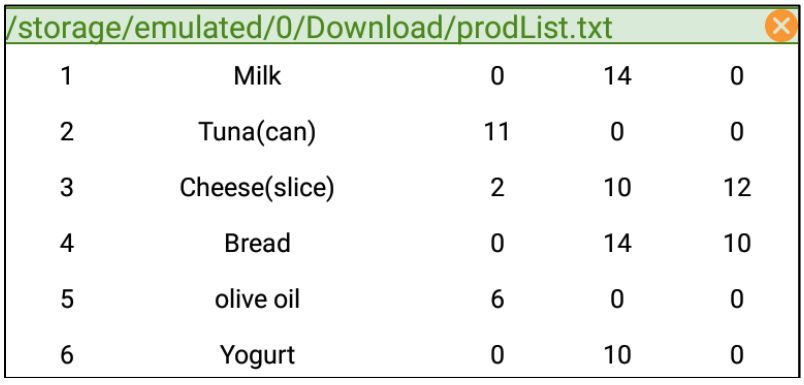


3-4-1 Open a File

Open a file to overwrite the current database.



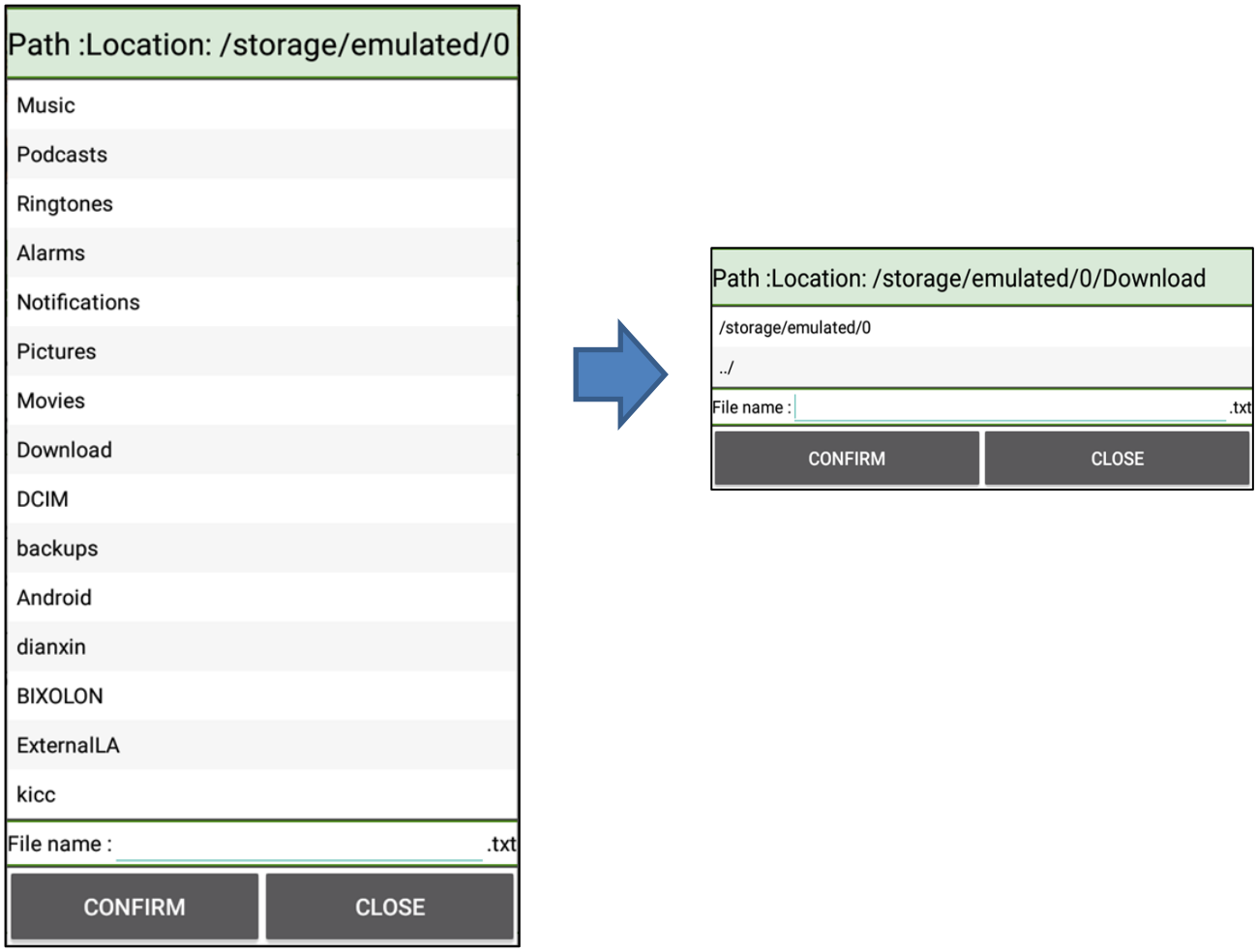
- Select the file path first to choose the file.
- Press  to see the file details in advance.



- If the file details do not match the number of the items on the current page, the file cannot be opened.
- Only *.csv, *.txt files can be opened.

3-4-2 Export a File

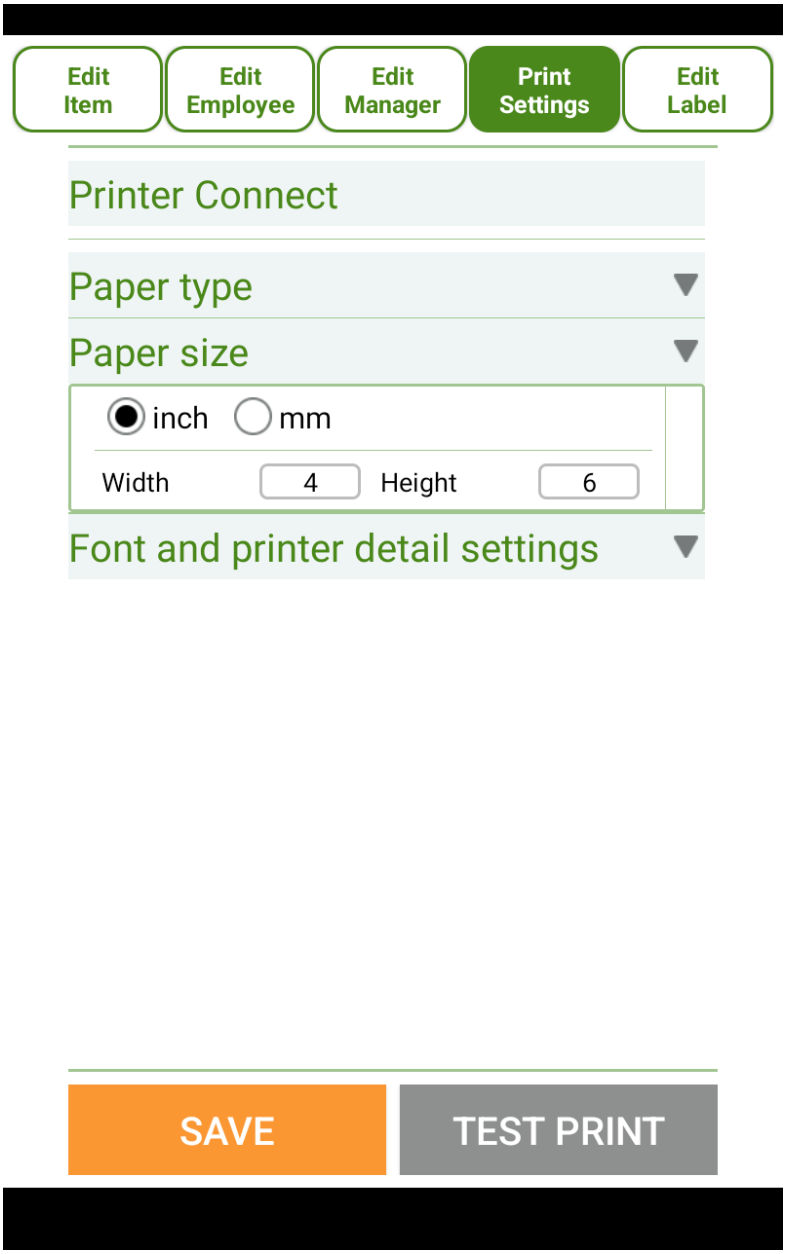
Save the current database as a file.



- Select the location of the file you want to use.
- Once the file name is entered, the file is automatically saved as a txt file.

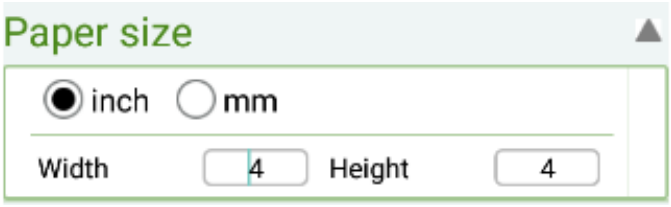
3-5 Print Settings

• Select print connection settings and fonts.



3-5-1 Paper size

Select the metrics to display and choose the paper size.



▪ inch/mm
Select the metrics to display.

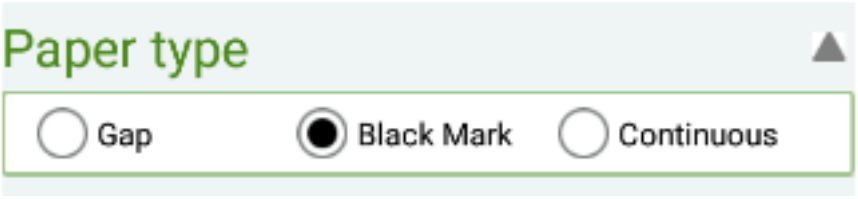
▪ Width
Enter the width of the paper.

▪ Height
Enter the height of the paper.

▪ AutoFit text to placeholder
- The font and content location are automatically selected for the chosen paper size
- Please refer to the detailed options on item-based location adjustment.

3-5-2 Paper type

Select the type of paper.



- GAP
  Gap

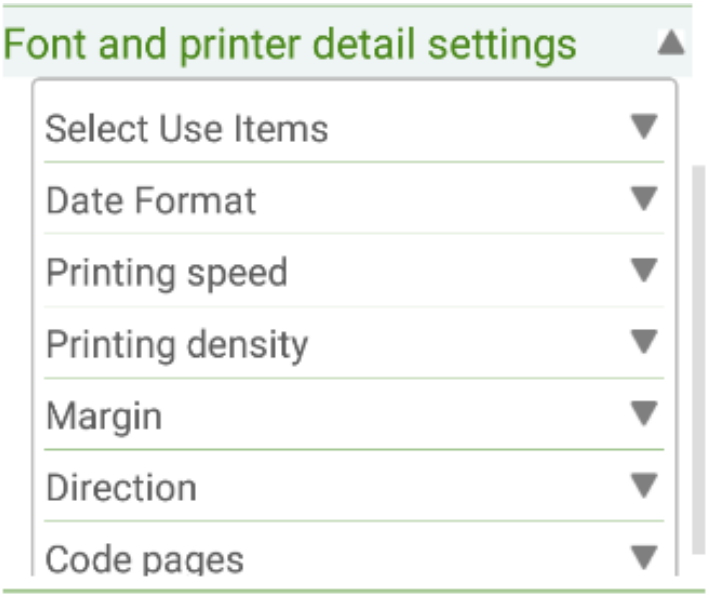
- Black mark
  Black mark

- Continuous
  Continuous

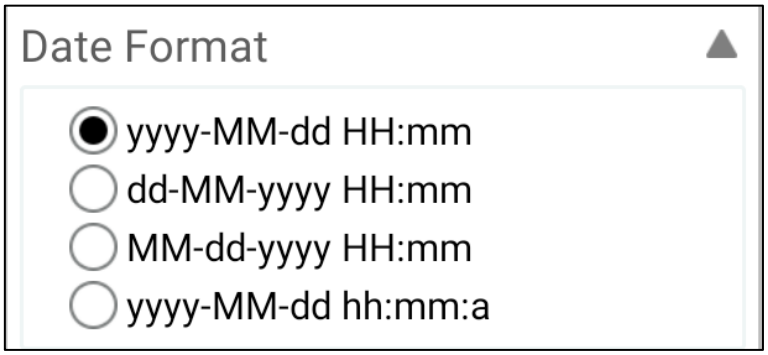
3-5-3 Font and printer detail settings

Choose detailed font and printer options.

▪ Select and set the values for Item, Made Date, Ready Date, Prep Date, and Employee & Manager separately.



1) Date Format
Select the date format to be displayed on the screen and printed paper.



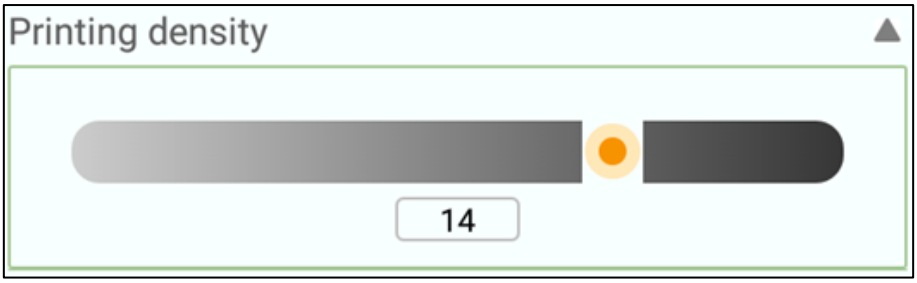
- yyyy: Year
- MM: Month
- dd: Day
- HH: Hour (0~23)
- mm: Minute (0~59)
- a: AM, PM

2) Printing Speed
Select the printing speed.



XQ-840 Printer supports up to 6.0ips as printing speed.

3) Printing Density
Choose the printing density.



If the density is set to be too low, the printed outcome might look plain white.

4) Margin
Set the margins for the print paper.



▪ Horizontal margin: Set the horizontal margin on the left.
▪ Vertical margin: Set the vertical margin on top.

5) Direction

Select the print direction.



▪ Top to Bottom: Print from the top.
▪ Bottom to top: Print from the bottom.

3-6 Edit Label

• Edit label saved in device.



1) Print

: Print the displayed preview label.

2) Save

: Save the label

3) Load

: Load the label

4) Delete

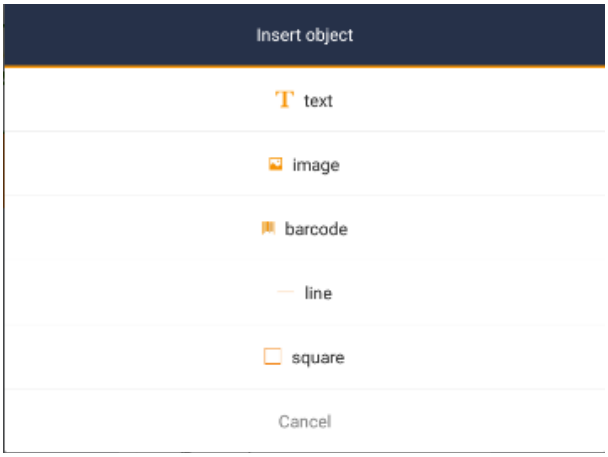
: Delete the saved label

5) Insert object

: Insert the new object entity.

3-6-1 Insert text object

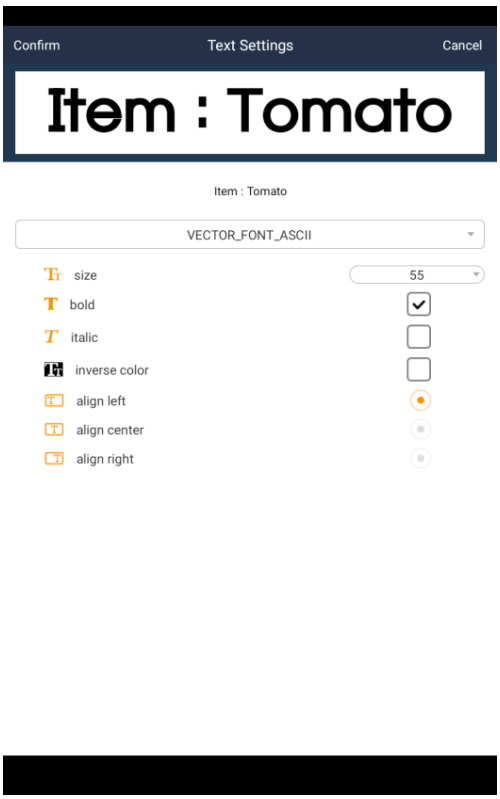
Add a new text object on the label. After touch button, select the text category.



3-6-2 Edit text object

Edit the selected text object on the label. Double tap the text object to edit or touch action bar icon.





▪ Text
Input text of the text object.

Item, Employee, Manager, Prep, Use By category title text should be contained on the food safety label.

▪ Font
Select the font of the text object

▪ Size
Select the size of the text object

▪ Bold
Select the bold option of the text object

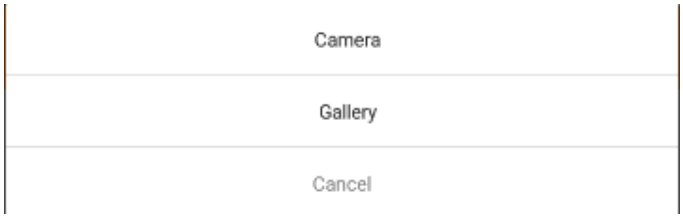
▪ Italic
Select the italic option of the text object

▪ Inverse
Select the inverse option of the text object

▪ Alignment
Select the alignment option of the text object

3-6-3 Insert image object

Insert the new image object



- Camera
  Take a new picture

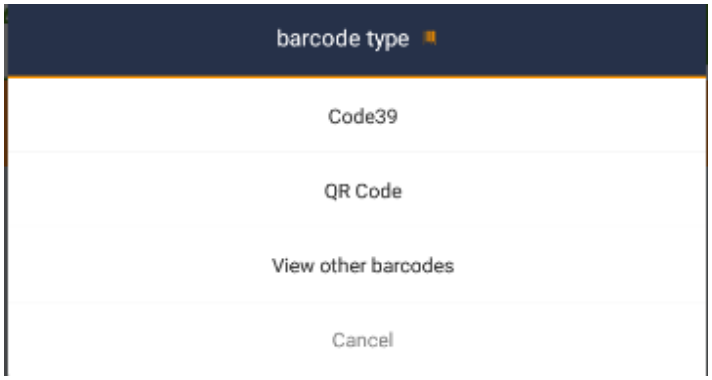
- Gallery
  Load a picture from gallery.

- Edit image
  Cut or rotate the image to add.



3-6-4 Insert barcode object

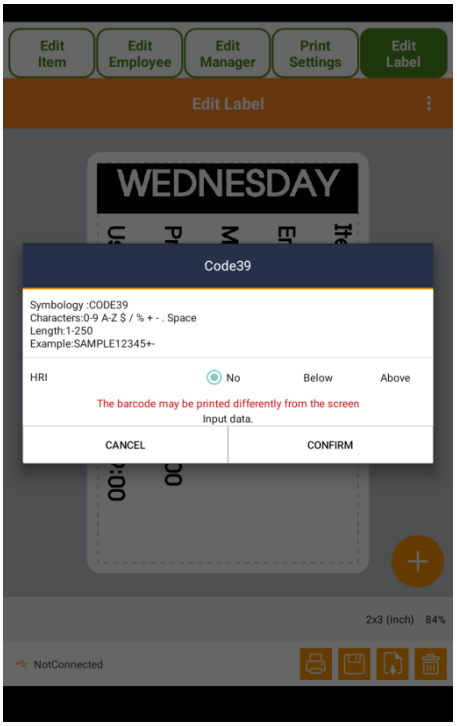
Add 1d or 2d barcode object.



1st, 2nd list is the Recently selected barcode type.
If you select the others touch the View other barcodes category.

3-6-5 Edit barcode object

Input a barcode data or change options of the barcode object to add or edit.



▪ See below for the available options for 2D barcodes

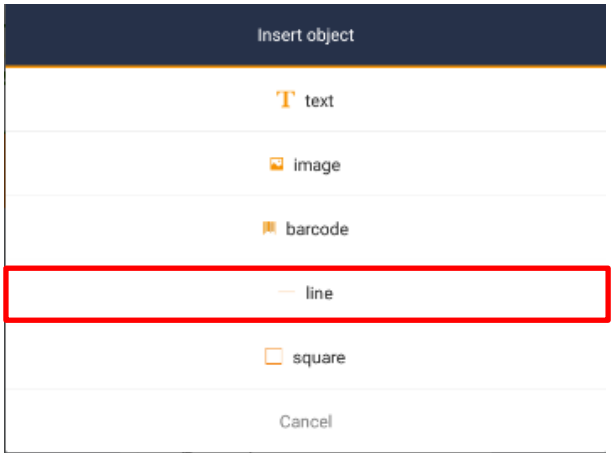
Type	Option	Description
Maxi Code	Mode	Mode according to usage purpose
	Post Code	Domestic or International postal code
	Country code	country code
	Service code	The carrier specifies Service Code
PDF417	Number of Data Columns	Number of data columns
	Error Correction Capacity	Error detection and correction
	Maximum codeword Length	Maximum codeword length
QR Code	Add Error Correction	Add Error Correction
Data Matrix	Size	Cell Size
Aztec	Adjust Size	Cell Size
	Add Error Correction	Add Error Correction
Micro PDF	Mode	Mode 0-33 (See Micro PDF Mode Table)

▪ Micro-PDF Mode Table.

Mode (M)	Number of Data Columns	Number Of Data Rows	% of Cws for EC	Max Alpha Characters	Max Digits	Remarks
0	1	11	64	6	8	
1	1	14	50	12	17	
2	1	17	41	18	26	
3	1	20	40	22	32	
4	1	24	33	30	44	
5	1	28	29	38	55	
6	2	8	50	14	20	
7	2	11	41	24	35	
8	2	14	32	36	52	
9	2	17	29	46	67	
10	2	20	28	56	82	
11	2	23	28	64	93	
12	2	26	29	72	105	
13	3	6	67	10	14	
14	3	8	58	18	26	
15	3	10	53	26	38	
16	3	12	50	34	49	
17	3	15	47	46	67	
18	3	20	43	66	96	
19	3	26	41	90	132	
20	3	32	40	114	167	
21	3	38	39	138	202	
22	3	44	38	162	237	
23	4	6	50	22	32	
24	4	8	44	34	49	
25	4	10	40	46	67	
26	4	12	38	58	85	
27	4	15	35	76	111	
28	4	20	33	106	155	
29	4	26	31	142	208	
30	4	32	30	178	261	
31	4	38	29	214	313	
32	4	44	28	250	366	
33	4	4	50	14	20	

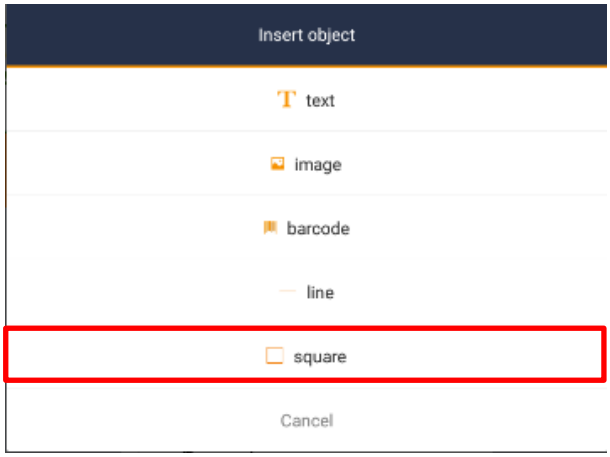
3-6-6 Add Line object

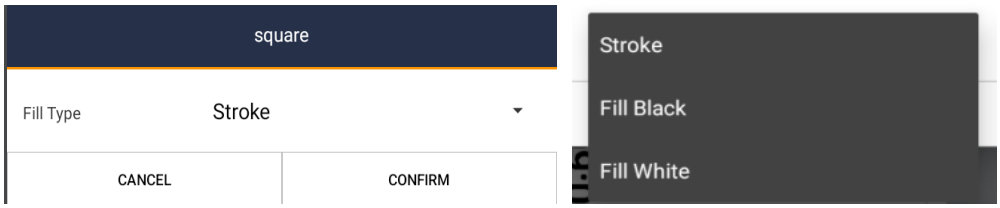
Add a new line object on the label. After touch  button, select the line category.



3-6-7 Add Square object

Add a new square object on the label. After touch button, select the square category.





- Stroke
  Draw the outline of the rectangle without filling.

- Fill Black
  Draw a rectangle filled with black.

- Fill White
  Draw a rectangle filled with white.

3-6-8 Edit object common

Edit the selected object.



- Move
  Select and drag the object to move.

- Copy
  Select the object to copy and push the “copy” menu.

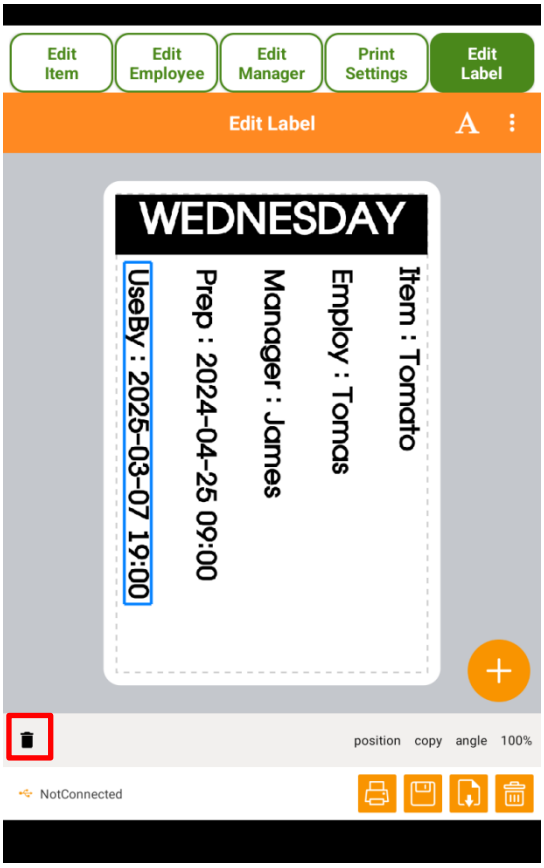
- Rotate
  Select the object to rotate and push the “angle” menu.
  Choice the angle to rotate on the list.

- Position
  Select the object to move and push the “position” menu.
  Choice the position to move on the list.

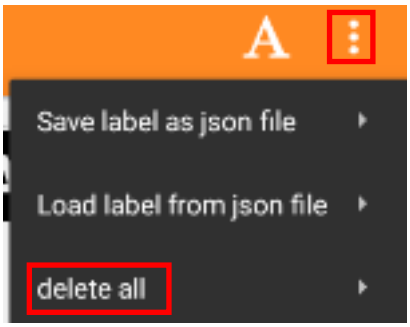
- Edit barcode type and data
  Select the barcode object you want to edit to modify its data and type. For more information, see 3-6-5 Barcode Modification.

3-6-9 Delete object

Delete the selected object. Click the object to delete and push the icon .

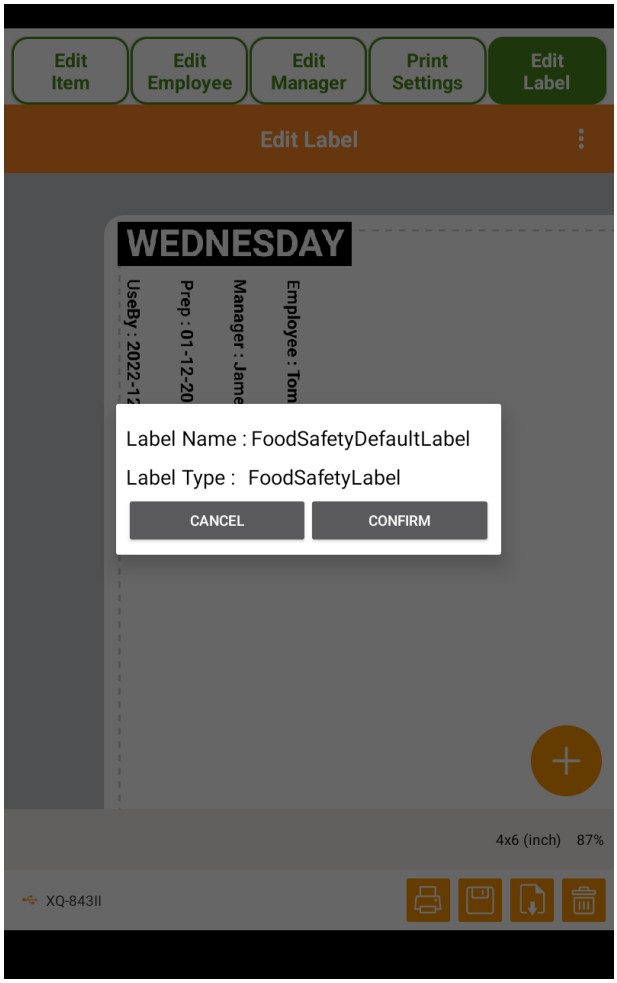


* Delete all object by using action bar menu “delete all”



3-6-10 Save label

Save the label.



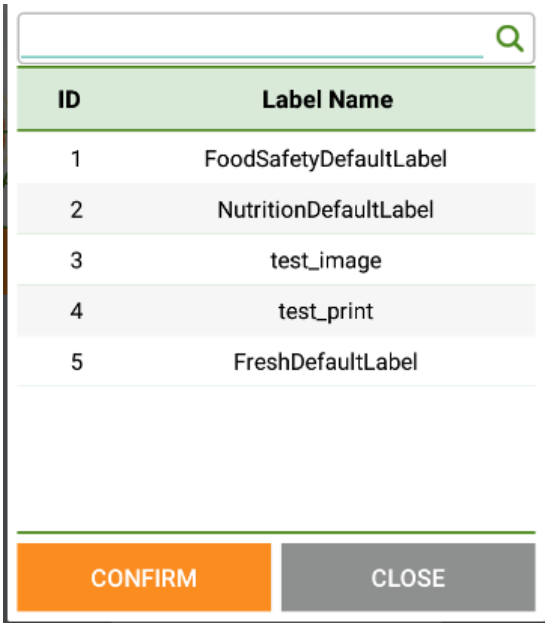
- Label Name
  Enter the label name

- Label Type
  Click the label type spinner then select the label type.

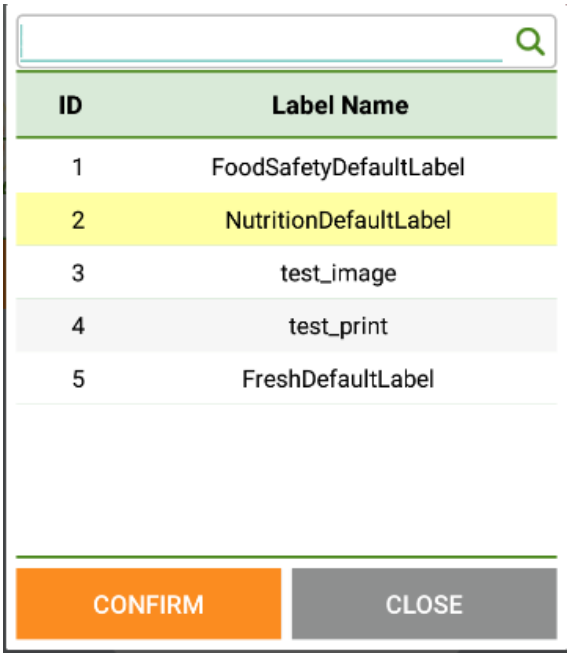


3-6-11 Load label

Load the saved label.

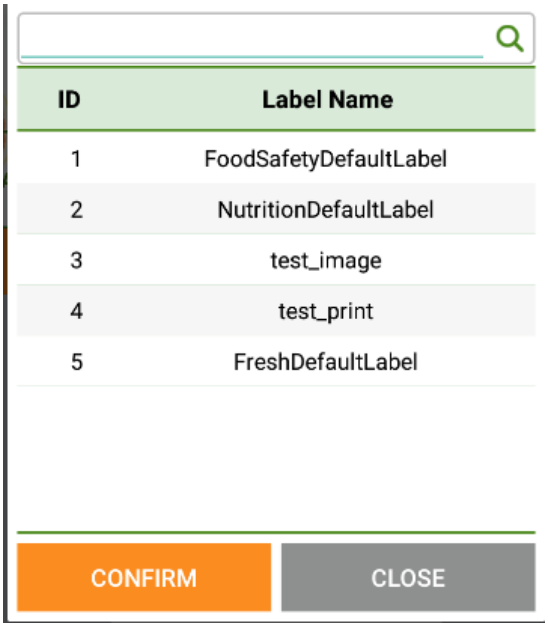


▪ Select label
Click the label to load. The selected label is painted yellow.

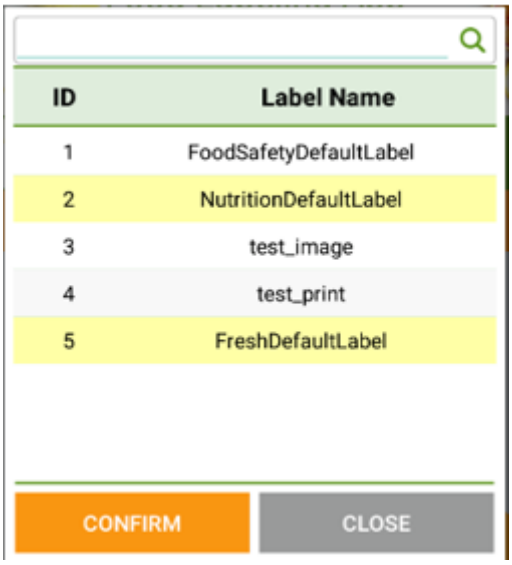


3-6-12 Delete label

Delete the labels

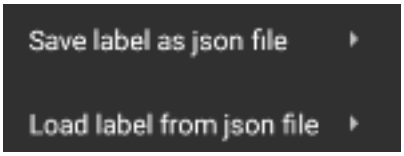


▪ Select label
Click the label to delete. Labels are multi-selectable, and the selected labels are painted yellow.



3-6-13 Save and load the label as json file format

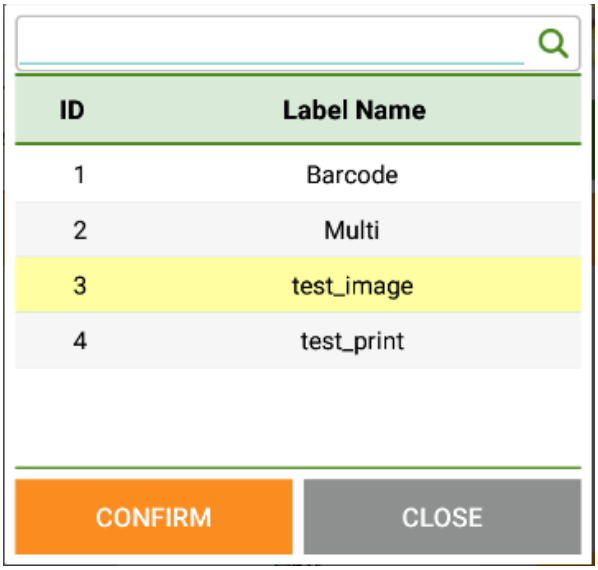
Save and load the label as json file format.



▪ Save as json format
Save the label as json file format.

The name of the Json file is saved as the current label name.json.la. To check the saved label, please check the Downloads/Food Labeling App/path.

▪ Load json format
- Click Export -> Save Json File to save the edited label in Windows Label Artist.
- Save the saved Json file in the printer\Download\FoodLabelingApp directory, then select the Load Json file menu.



After selecting the label to load, press the OK button.

The list of Json files targets files stored in the Downloads/Food Labeling App/path. Please save the file you want to import to that path.

3-6-14 Use scale

You can automatically enter the weight value of the scale into the text object by linking the printer and the scale.

1) Connect the scale to printer.

2) Select the text object want to change to the weight value of the scale.

3) Measure the weight of the item.

4) If the print button on the scale flashes, check the text changes to the weight value.

*Supported scale model
STX2202
Please contact the relevant departments for other model support.

Revision history

Ver.	Date	Description
1.00	18-05-2022	New
1.01	10-04-2023	Image changes related to adding barcode objects
1.02	17-01-2024	XQ-840II, XQ-843II add supported model
1.03	02-04-2024	Account, login menu delete and related image change.
1.04	13-05-2024	Add text alignment, rectangle filling features.
1.05	14-05-2024	Add object position
1.06	10-09-2024	Fixed 2D barcode options, Improved Label Artist compatibility