

T-Scale

Operation Manual

T-Touch Central (TTC) (P-Series)

27/05/17

V1.6.35

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1.Introduction

TTC back office management software could make the updates to T-Touch scales with networking. User-friendly back office software allowing to create customized labels, UI (User Interface), Product updates , promotional video & pictures updates, report management, data import & export etc.

The TTC main screen is separated in to two parts: [Function Bar](#) and [Main Menu](#). The Function Bar includes all the functions, including the ones in the Main Menu, and some additional functions. The Main Menu displays the functions that are more often used.

For any Data transfer, the scale(s) and the computer running TTC must be in the same network. Also, the operator must acquire the IP address of the scale(s) in order to setup the connection.

There may be functions disabled in gray if it is not activated for the user.

No data will be updated on the scale(s) unless the user download the data to selected scale(s).

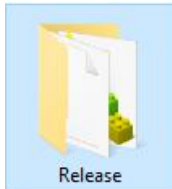
This Manual will be focusing on the back office software for **P-Series** T-Touch Scales.

2.System Requirements

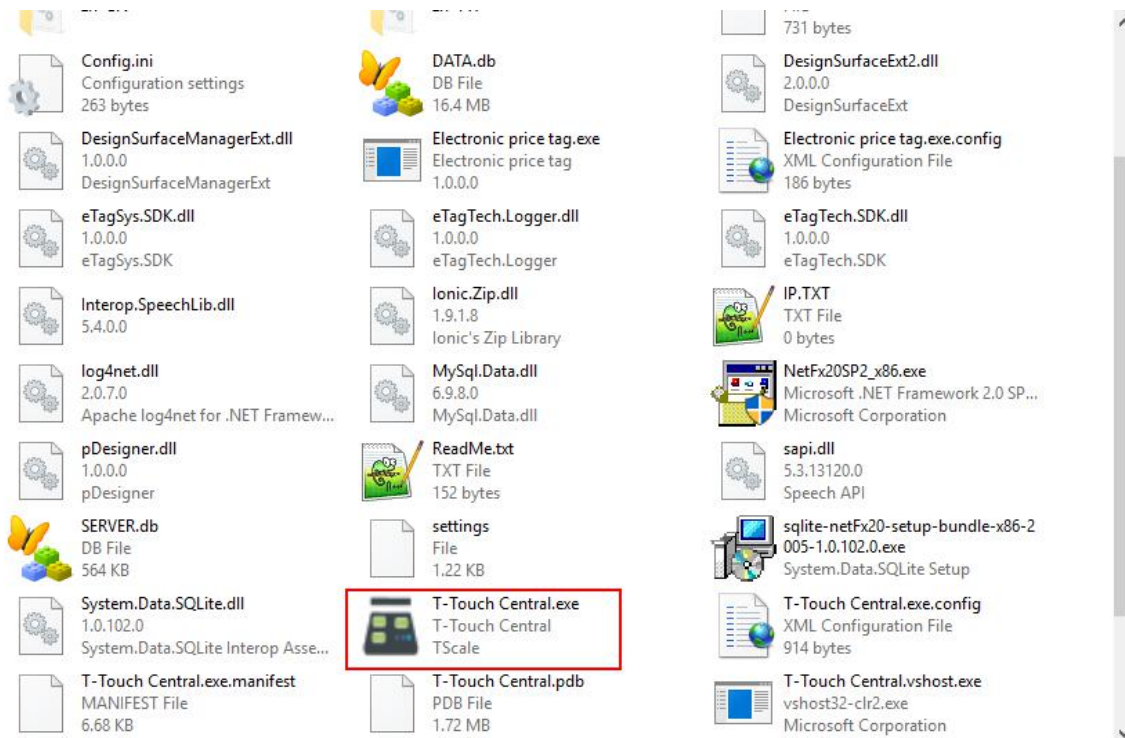
Operating System: Windows XP or above.

3. Installation

3.1. Open TTC management file folder.



3.2. Double click T-Touch Central.exe application file



3.3.Login

Login display will be show, please input User name and PassWord,

The default user name and password

For Technician

User Name: tech

PassWord: tech

For Admin

User Name: admin

PassWord: admin



User name

Password

☐ Remember me

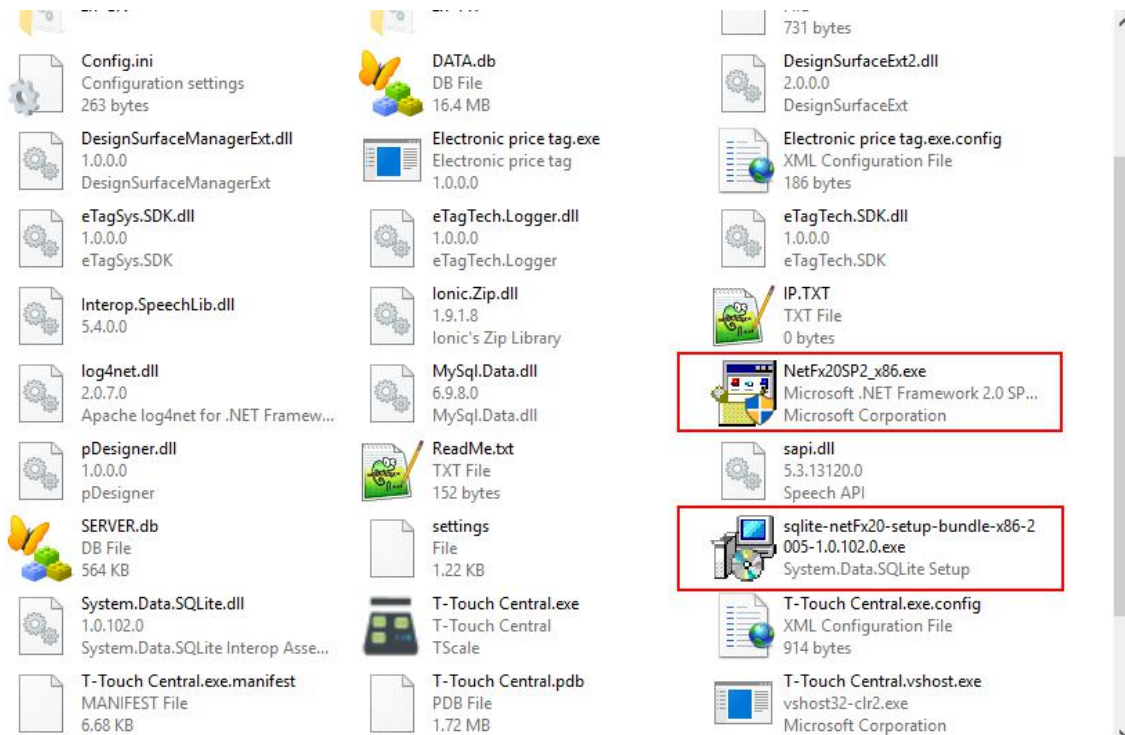
☒ Remember me

For saving the username & password, click the check box

Login

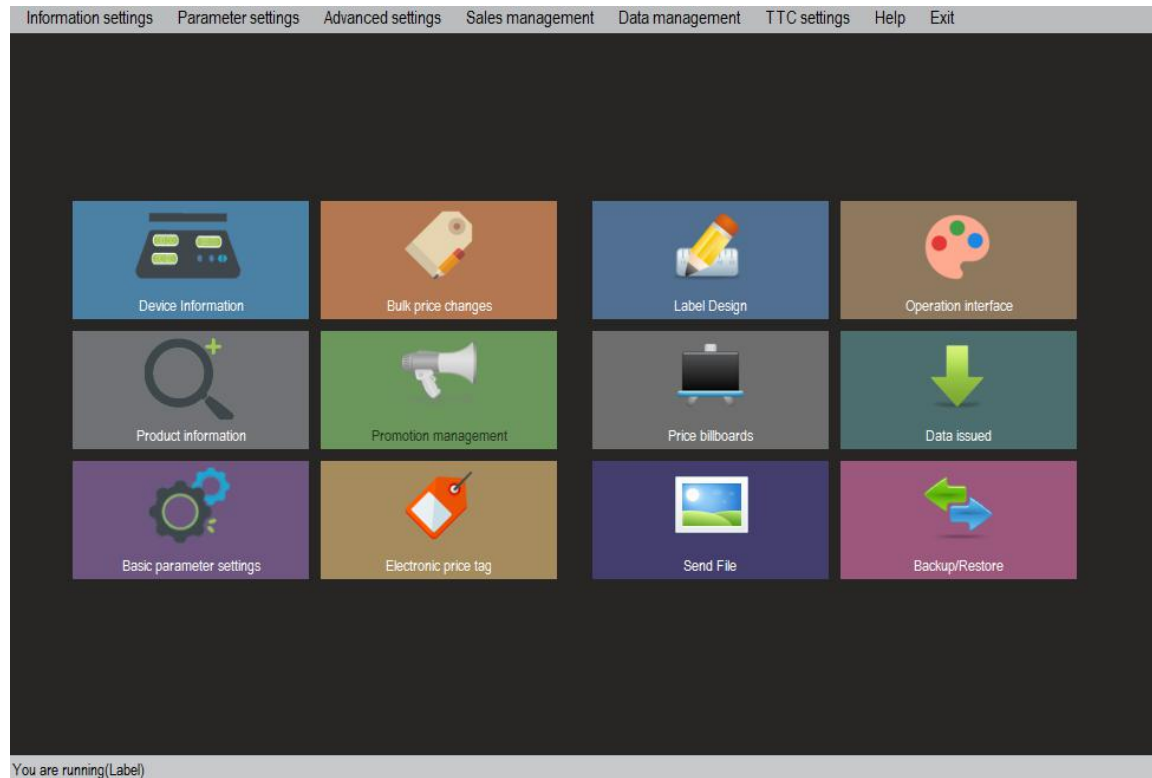
And follow to click  key to login T-Touch Central

Note: If the TTC back office software doesn't work, please install NetFx20SP2_x86.exe and SQLite Installation files (included in the TTC package, double click to install)

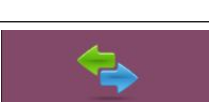


4.Menu Keys & Functions

Main Screen Layout



Keys	Description
	It allows the user to set the scales information from the back office software.
	It allows the user to perform multiple bulk price transfer.
	It allows the user to design a label format
	It allows the user to design a sale UI

 Product information	It allows the user to manage the product information
 Promotion management	Reserved function
 Price billboards	It allows the user to manage the Bill Board/ M-Box
 Data issued	It allows the user to perform multiple data type transfer.
 Basic parameter settings	It allows the user to configure the company information and basic parameters
 Electronic price tag	It allows the user to design a ESL
 Send File	It allows the user to send image files to the scale, or send update patch to the scales.
 Backup/Restore	It allows the user to make backups for a scale, or restore the data onto a scale.

Name	List	Description
Information settings	Device Information	Used to manage the scale information
	Product Information	Used to manage the product information
	Operator Information	Used to manage the operator information
	Category Information	Used to manage the category information
	Department Information	Used to manage the department information

	Tax rate Information	Used to manage the tax rate information
	Permission settings	Reserved function
Parameter settings	Basic parameter settings	Used to set basic parameter settings
	System parameter settings	Used to set system parameter settings
	Operating parameter settings	Used to set operating parameter settings
	Technical parameter settings	Used to set technical parameter settings
	Communication settings	Reserved function
Advanced settings	Weighing settings	Reserved function
	Calibration	Reserved function
	Operation interface	Used to design a sale UI
	Label design	Used to design a label format
	Price billboards	Used to design a M-Box UI
	Electronic price tag	Used to design a ESL
	Advertising screen	Used to set client display information
Sales management	Promotion management	Reserved function
	Bulk price changes	Used to change product bulk price
	Report management	Used to manage report
Data management	Back up/Restore	Used to back up/restore data
	Data issued	Used to issue data
	Send file	Used to send image files to the scale, or send update patch to the scales.
	Data recovery	Reserved function
TTC settings	Select scale	Used to choose types of T-Touch scales Currently supported four types of T-Touch products:

		- Label - POS - Industrial - J7/M-Box
	Language	Used to choose language from the list currently supported - English - Spanish - Simplified Chinese - Traditional Chinese - Russian
	User information	Used to manage user information for scales
	Change password	It allows the current logged in user to change his/her TTC account password.
	System settings	Used to perform system settings
Help	Help F1 About me Quick setup wizard	Reserved function
Exit	Exit	Exit the back office software.

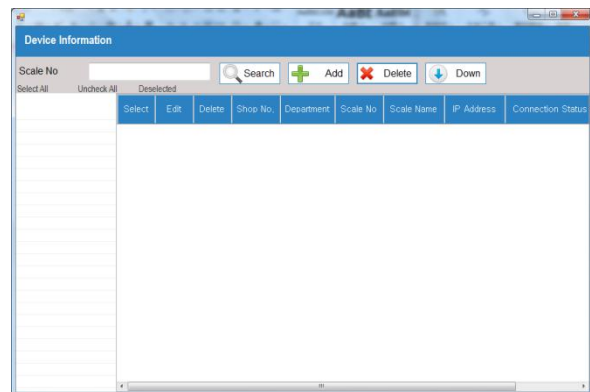
5. Operation

5.1. Device Information

This Function displays the current status of all the scales managed by TTC.

It will continuously update all the scales' connection status automatically.

It allows the user to open the device information window by clicking  icon in the main menu or choose from the tool bar, selecting “Information Settings” -> “Device information”

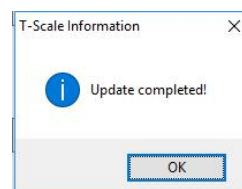


5.1.1. Add device information

Select  key to configure your T-Scale devices.

The IP Address is the only required field for a newly added device. Each scale must have unique IP Address. Other scale information can also be set here, including scale's identifiers and the image that will be displayed once the scale is in idle mode.

Click save key to confirm, the display show update completed

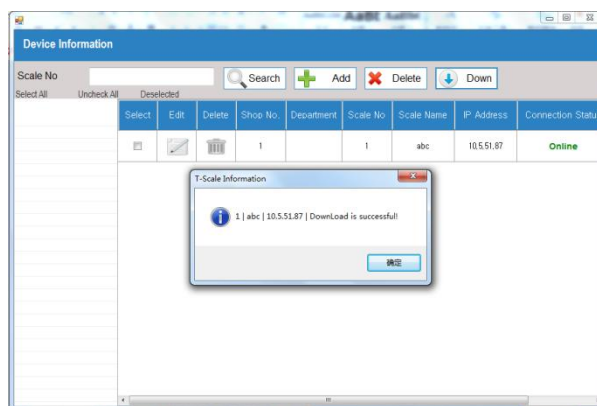


5.1.2. Down device information

Select the corresponding scales to be updated.

Click  key to send device information to scales.

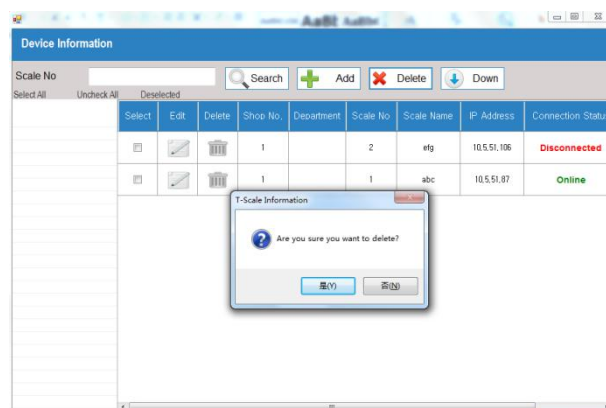
The display shows download successful



5.1.3. Delete device information

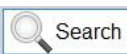
Select the corresponding scales to be updated.

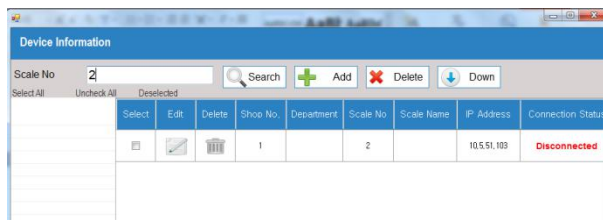
Click  key, click “yes” to confirm



5.1.4. Search device information

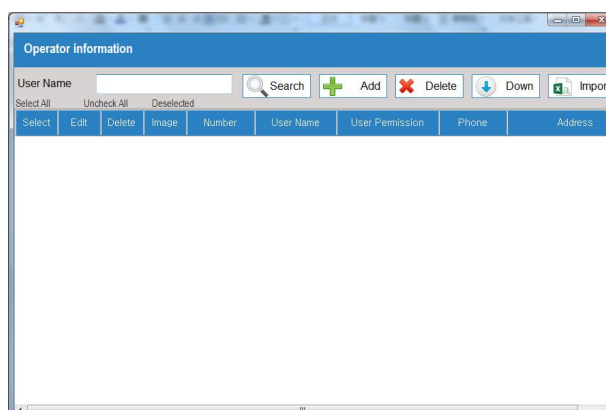
Input scale number in the blank filed, click

 key to search the device information



5.2. Operator information

From the tool bar, select “Information Settings” -> “Operator information”, and then the Operator information will open as a new window.



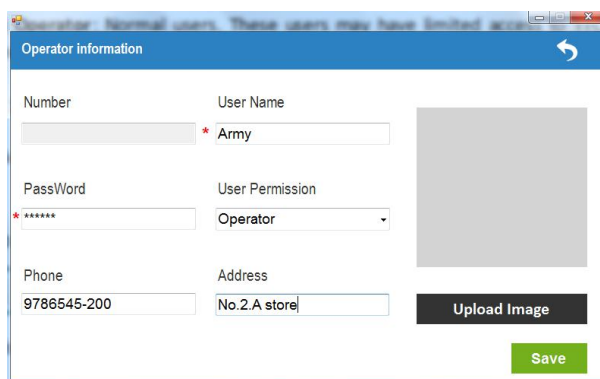
Operator Types

a) Administrator: The administrator can manage the scale accounts. These accounts will not be able to change the technician password on the scale(s).

b) Operator: Normal users. These users may have limited access to scale functionalities, and their account will be managed by the technician or administrator accounts.

5.2.1. Add user information

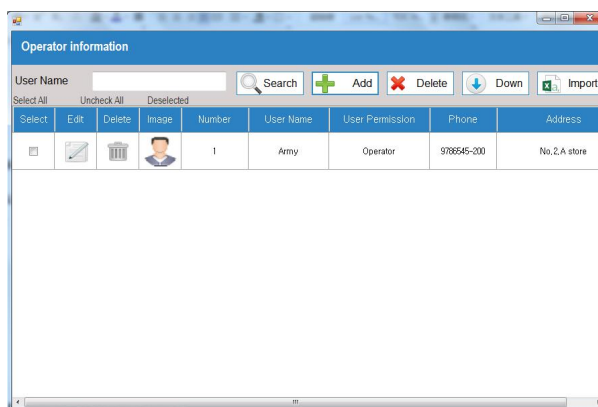
Click  key, it offers the user to input number、user name and password ect.information



The screenshot shows the 'Operator information' form. It contains the following fields and controls:

- Number:** A text input field.
- User Name:** A text input field with the value 'Army'.
- PassWord:** A password input field with masked characters '*****'.
- User Permission:** A dropdown menu with 'Operator' selected.
- Phone:** A text input field with the value '9786545-200'.
- Address:** A text input field with the value 'No.2.A store'.
- Upload Image:** A button to upload a profile picture.
- Save:** A green button to save the information.

Then click  key to save information



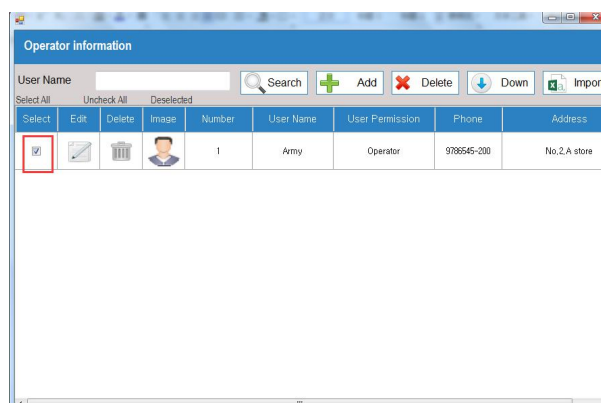
The screenshot shows the 'Operator information' table. It has a search bar and buttons for Add, Delete, Down, and Import. The table contains one row of data:

Select	Edit	Delete	Image	Number	User Name	User Permission	Phone	Address
☐				1	Army	Operator	9786545-200	No.2.A store

5.2.2. Downloading user information

Select the corresponding scales to be updated.

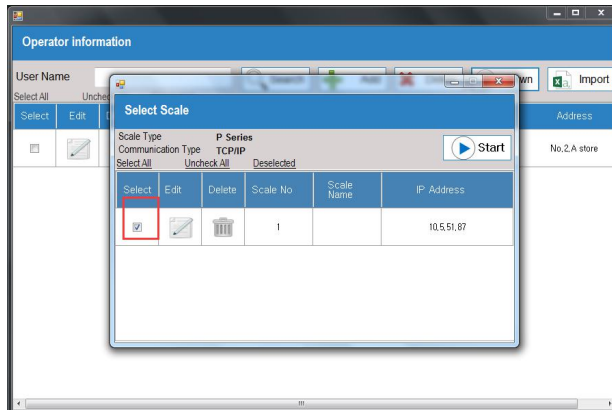
Click  key to send user information to scales



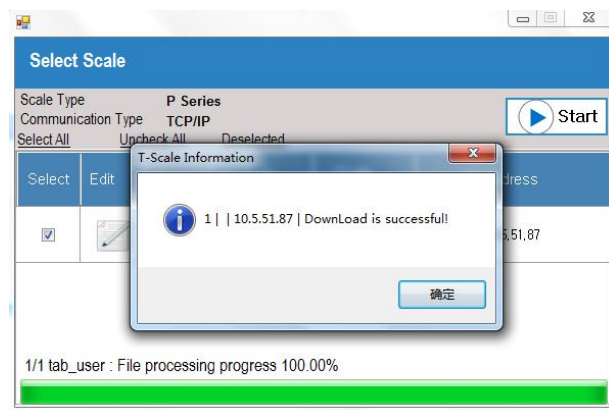
The screenshot shows the 'Operator information' table with the first row selected. The 'Select' column has a checked checkbox:

Select	Edit	Delete	Image	Number	User Name	User Permission	Phone	Address
☒				1	Army	Operator	9786545-200	No.2.A store

The connected scales details will be displayed for selection.

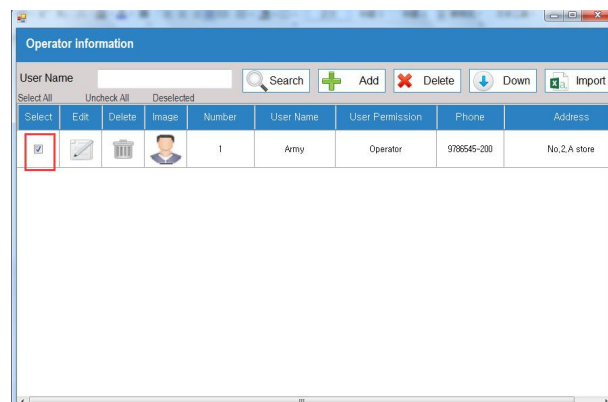


Then click  key to continue the transfer process.

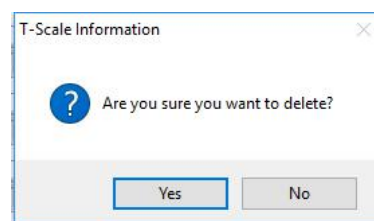


5.2.3. Delete user information

Select the corresponding scales



click  key ,click “yes” to confirm

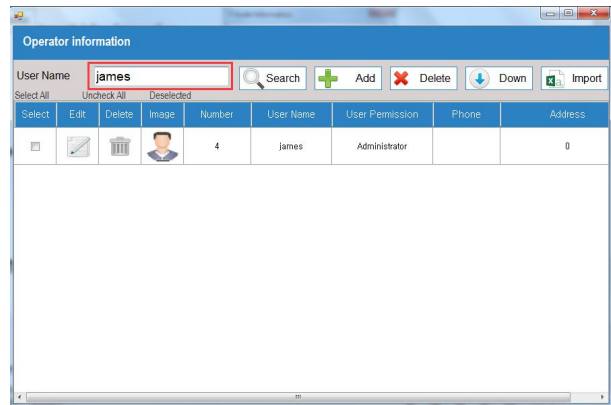


5.2.4. Search user information

Input user name in the blank filed, click

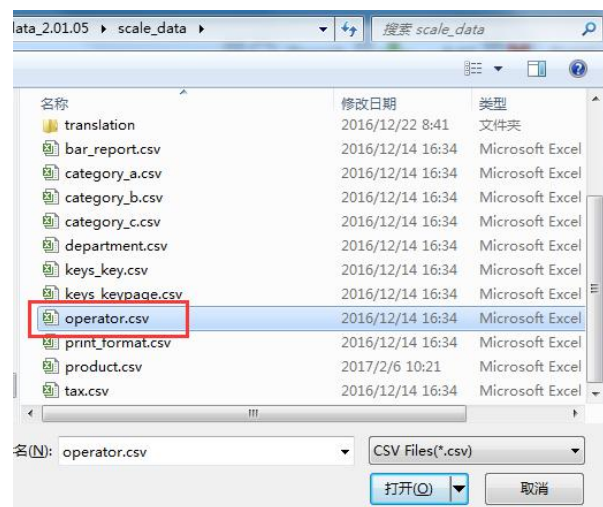


key to search the user information



5.2.5. Import user information

It allows the user to import user information from computer, the file name is operator.csv, select the file and click open key to import

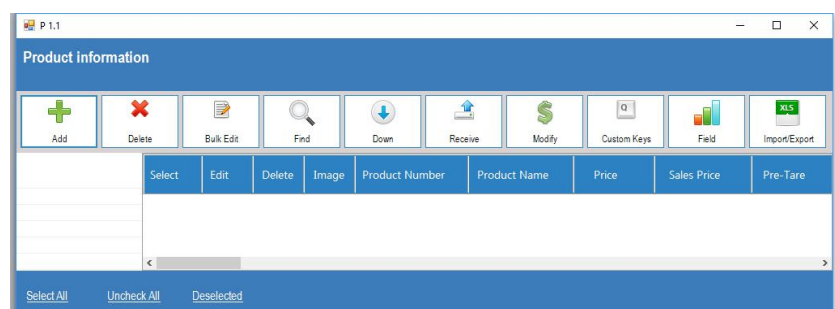


5.3. Product information

It allows the user to manage the product information in the TTC back office software, This Function displays the PLU/product data stored in the back office. This data can be transferred to the scales.



In order to open the product information window by clicking  icon in the main menu or choose from the tool bar, selecting “Information Settings” -> “Product information”



Keys	Description
 Add	Add product information
 Delete	Delete product information
 Bulk Edit	Edit multiple items at the same time.
 Find	Search for a specific product information.
 Down	Transfer the product information to the scales.
 Receive	Retrieve product information from selected scales.
 Modify	Modify the price of product
 Custom Keys	Directly open the UI design page.
 Field	Configure the fields display in the product section.
 Import/Export	Import or Export Product information from excel sheets to back office software or from back office software to excel sheets.
	Edit specific product information.
	Remove specific product information.

5.3.1. Add product information



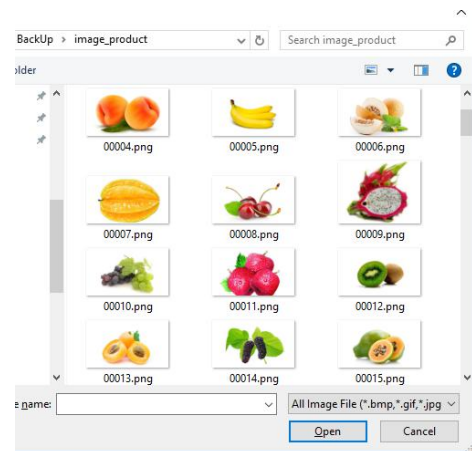
Click  key to add product information

Basic information: The product number, product name and price are required fields for a newly added product, other product information can also be set here, including the product image that will be displayed in sale mode

Upload

Click  key to add product image from computer,

Note: The image need to be stored in a folder named image_product", that could be easier to manage.



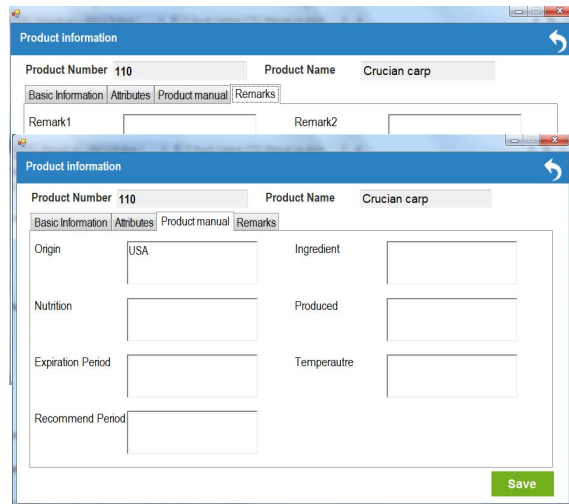
Then click open key to add

Attributes: Select the product

Attributes information

Product manual and remark
information can be set here

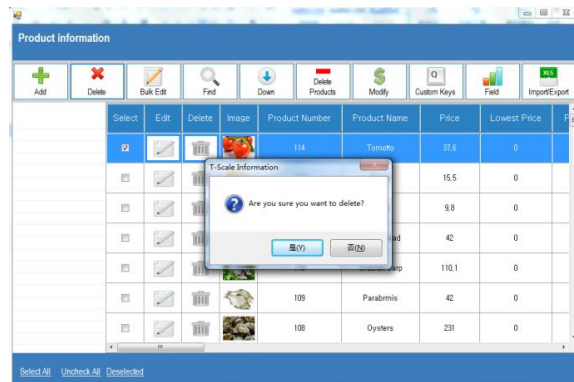
Click  key to confirm



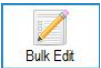
5.3.2. Delete product information

Select a product

click  or  key ,click “yes” to confirm

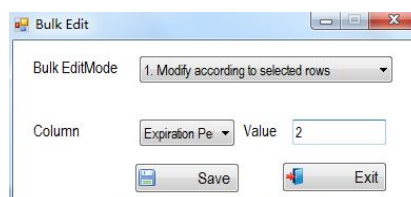


5.3.3. Edit multiple items

Click  key to edit multiple product information, there are two options can be selected

A) Modify according to selected rows

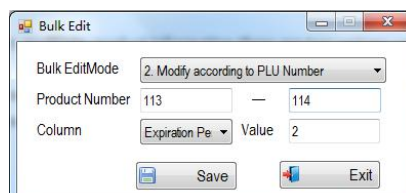
Select a information from column list,
input value,click save key



B) Modify according to PLU Number

Input product number

Select a information from column list,
input value,click save key

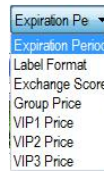


Display shows update completed



It allows the user to check selected product information whether updated successfully

Currently supported column

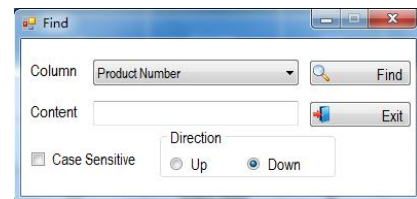


5.3.4. Find product information

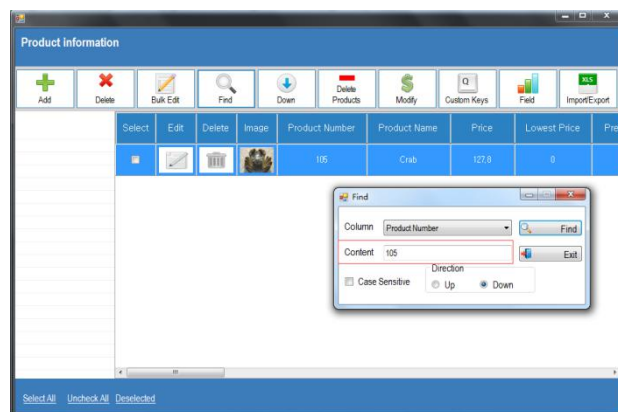
It allows the user to find product information according to product number or product name, the number or name should be required to input in the content blank field

click  key, search product from column list,

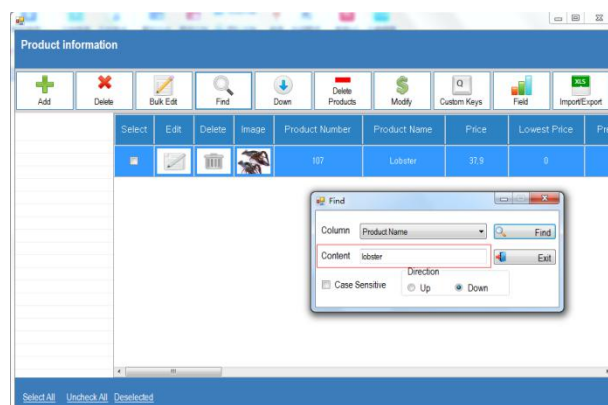
click  key



Selected product information according to product number



Selected product information according to product name

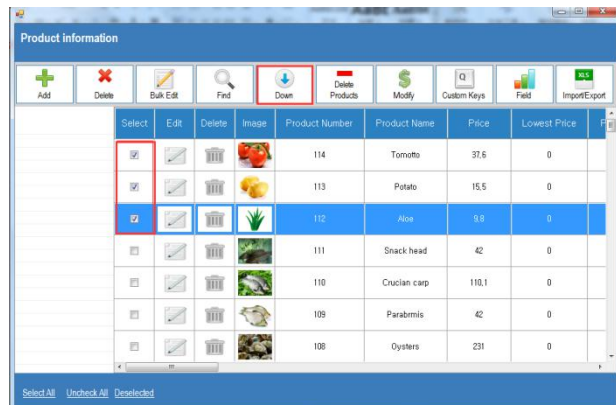


5.3.5. Downloading product information to scales

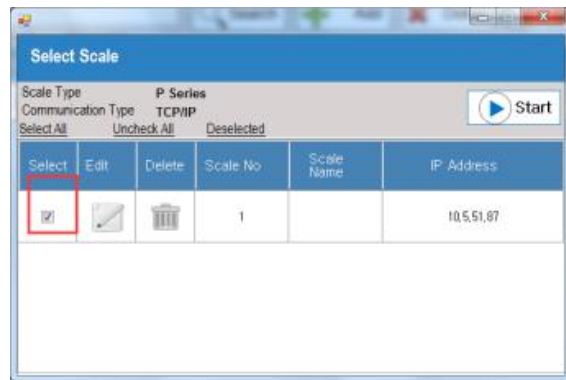
It allows the user to down product information to scales from the back office software

Select the product to be updated.

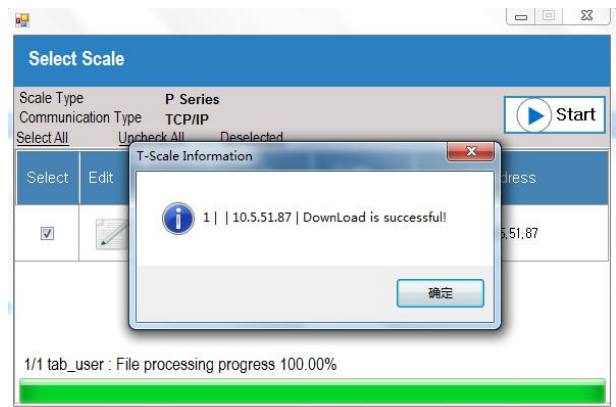
Click  **Down** key to send product information to scales



The connected scales will be displayed for selection.



Then click  **Start** key to continue the transfer process.

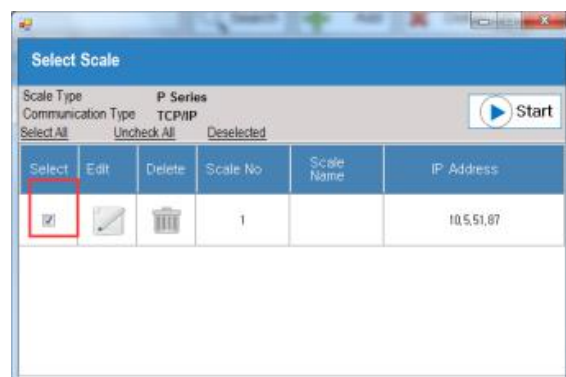


5.3.6. Retrieve product information from scales

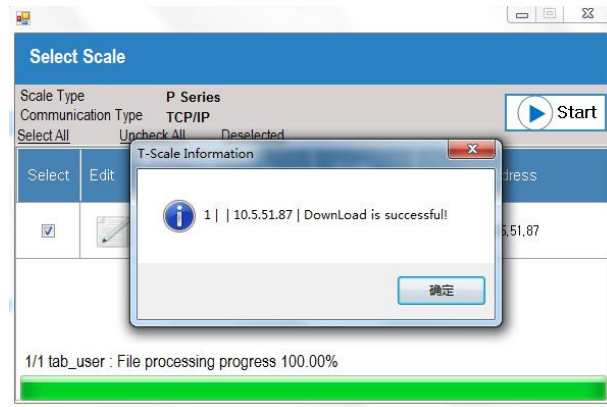
It allows the user to retrieve product information from selected scales.

Click  **Receive** key to retrieve

The connected scales will be displayed for selection.



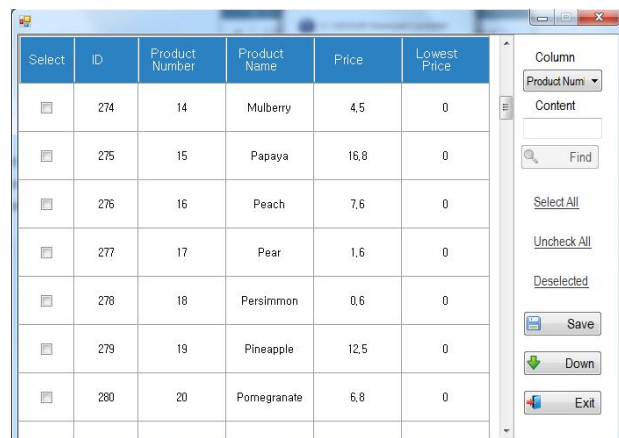
Then click  key to continue the transfer process.



5.3.7. Modify product price

This function allows the user to modify product price, it could be modify according to product name, number etc.,

Select from the column list, input contents in the blank field, click  key

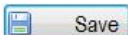


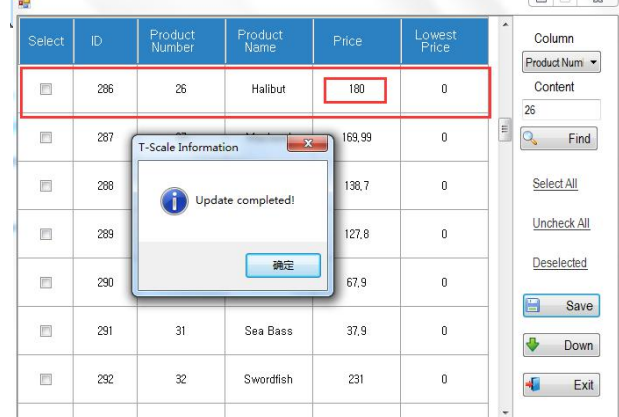
Select	ID	Product Number	Product Name	Price	Lowest Price
☐	274	14	Mulberry	4.5	0
☐	275	15	Papaya	16.8	0
☐	276	16	Peach	7.6	0
☐	277	17	Pear	1.6	0
☐	278	18	Persimmon	0.6	0
☐	279	19	Pineapple	12.5	0
☐	280	20	Pomegranate	6.8	0

Eg: Input product number “26” in the blank field click  key, the product item will be show in the first line



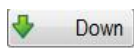
Select	ID	Product Number	Product Name	Price	Lowest Price
☐	286	26	Halibut	175	0
☐	287	27	Mackerel	169.99	0
☐	288	28	Mahi Mahi	138.7	0
☐	289	29	Salmon	127.8	0
☐	290	30	Sardine	67.9	0
☐	291	31	Sea Bass	37.9	0
☐	292	32	Swordfish	231	0

Select the price value to change other value, click  key to confirm



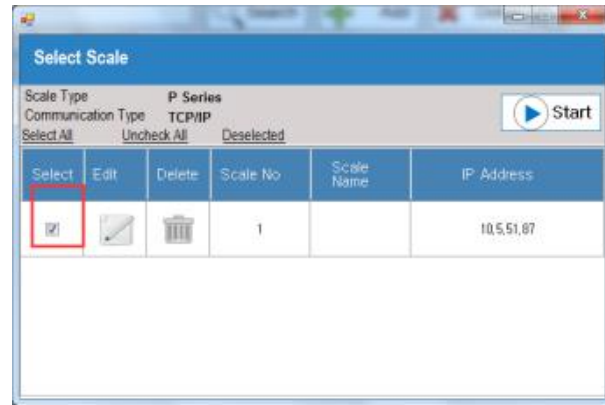
Select	ID	Product Number	Product Name	Price	Lowest Price
☐	286	26	Halibut	180	0
☐	287	27	Mackerel	169.99	0
☐	288	28	Mahi Mahi	138.7	0
☐	289	29	Salmon	127.8	0
☐	290	30	Sardine	67.9	0
☐	291	31	Sea Bass	37.9	0
☐	292	32	Swordfish	231	0

Select the product and price data type ,click

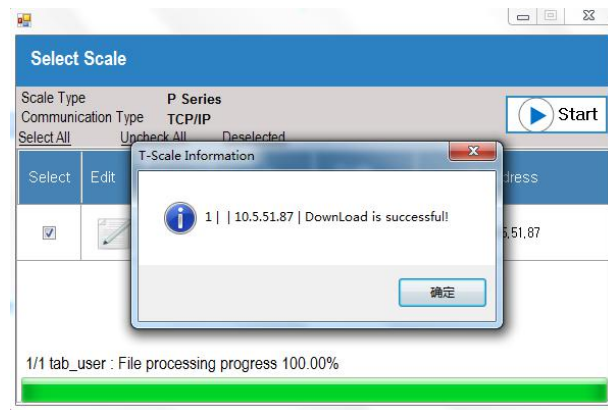


key to start data transfer

The connected scales will be displayed for selection.



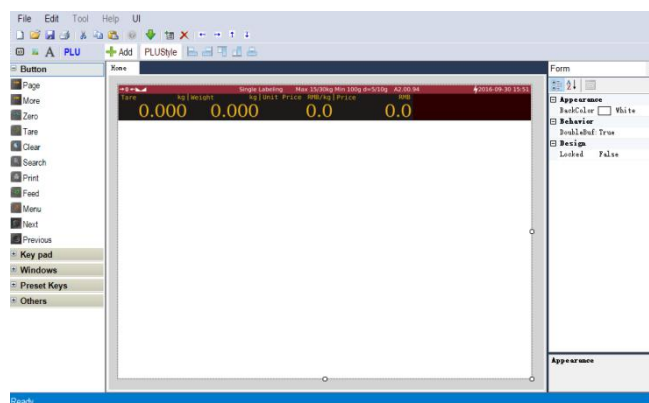
Then click  key to continue the transfer process.



5.3.8. Custom keys

It allows the user to directly open the UI design page, and design a sale UI to transfer to scales.

Click  key, the operation interface will open as a new window



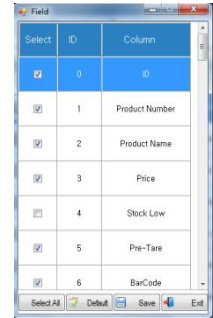
The UI design operation please refer to Operation Interface

5.3.9. Field

This function allows the user to configure the fields display in the product section.



Click  key, the field interface will open as a new window.



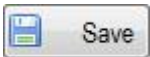
Selected field will be displayed in the product section, usually show in the first line



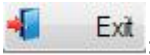
:Click the key to select all field



:Click the key to set default field configuration



:Click the key to save updated field information



:Click the key to exit this function

5.3.10. Import/Export Product information

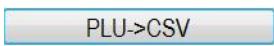
This function allows the user to Import or Export Product information from excel sheets to back office software or from back office software to excel sheets.

PLU->CSV

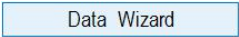
CSV->PLU

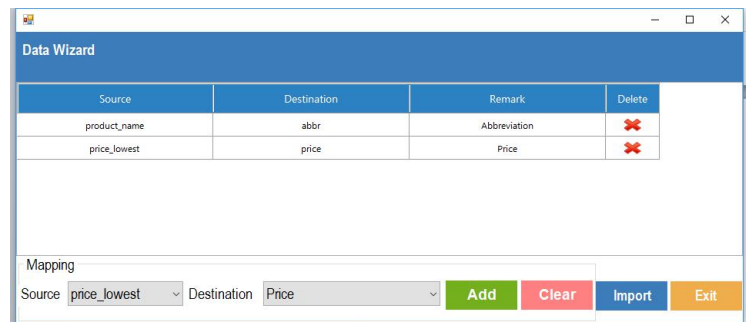
Data Wizard

Exit

Click  key, the product information will be exported from back office software to excel sheets.

Click  key, the product information will be imported from excel sheets to back office software.

Click  key, the product information excel could be imported for mapping to add from excel sheets to back office software.



5.4. Bulk price Changes

This function allows the user to perform multiple bulk price transfer.

Bulk price changes window can be opened by

clicking  icon in the main menu or choose from the tool bar, selecting “Sales management” -> “Bulk price changes”

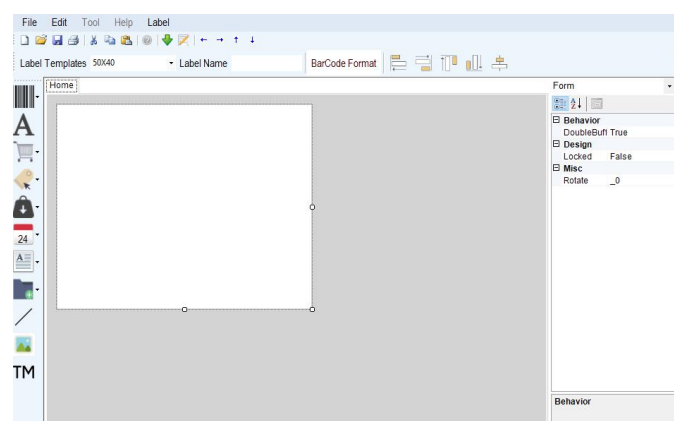


The basic operation please refer to **5.3.7 Modify product price**

5.5. Label Design

Label Design offers the user to design a label format and transfer the format to the scales.

Label design window can be opened by clicking the  icon in the main menu or choose from the tool bar, selecting “Advanced Settings” -> “Label Design”



5.5.1. Button Introduction

Icon	Description
	Barcode/ QR Code components.
	Fixed text components. These can be custom texts on the label.
	Product Variables. The label will display the product information corresponding to the selected product while using the scale.
	Price Variables. The label will display the price information corresponding to the selected product and the weighed value while using the scale.
	Weight Variables. The label will display the weight information corresponding to the weighed value while using the scale. The “Net Value” will display the net weight or the quantity of the item based on the item’s information.
	Date Variables. The label will print the date and time information corresponding to the time the label is printed and the selected product’s expiration information while using the scale.
	Text Box Variable. The label will display the header/footer information corresponding to the product selected while using the scale. This information can be set with the “Basic Parameter Settings” tab.
	Remark Variable. The label will display the remark information corresponding to the product selected while using the scale. The remarks are reserved for the product information. Users can use these when the products require more fields.
	Straight Line. Drag across the label design to create a line on the label.
	Image. The label will display the image added onto the label design. Find “image” on the right bar on the label design to select the image from your computer. It is recommended to have a lower quality black and white image.
	Trade mark. The label will display the trade mark added onto the label design. Find “image” on the right bar on the label design to select the image from your computer. It is recommended to have a lower quality black and white image.

5.5.2. Create a New Label Format

Each label will require a label name and label size. The label name will determine the name the user sees on the scale when they select a label, or when they assign a label to a product. The label size must match as closely to the actual label as possible.

Label Name

Each label consists of two identifiers: 1. Label Name 2. Format File Name.

1. The label name can be inputted in the following field:

Label Name

This field is optional. If it is left empty, The Label name will be generated from the format file name. For example, if the label is saved as “ example.fmt ” the label name will be generated as “example” .

2. The format file name is required when saving the label format for the first time. It is the .fmt file name that will be stored on your local machine. For example, “ example.fmt ” is a valid format file name.

Note: The label name and format file name must only contain English letters, numbers, spaces, and underscores.

Label Size

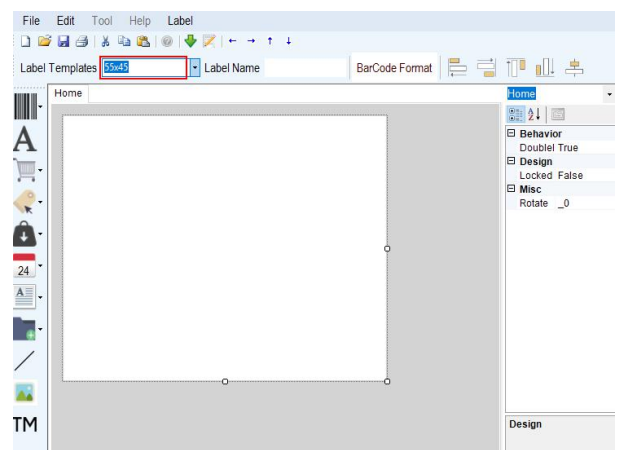
A label size is required to be set for each label format. It must match as closely to the actual label that will be used.

A label size consists of label width and label height. For example, it is default to 50x40, which means the label should be 50 mm wide and 40mm tall.

You may select a preset label template drop down:

Label Templates

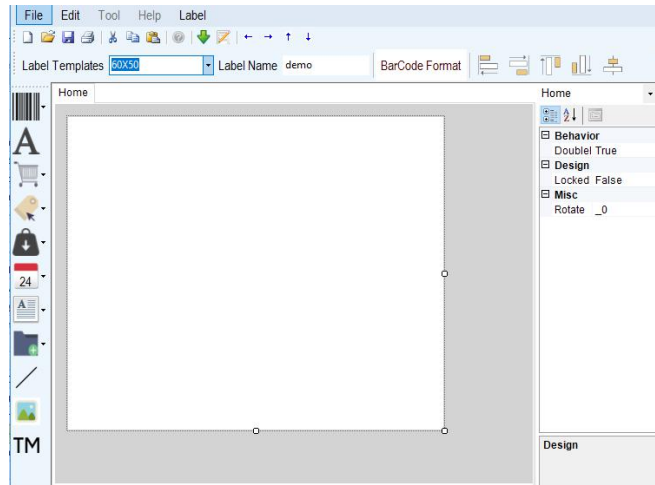
Or you can click on the white area and input customized mm values; eg: 55x45



Create New Label and Save:

Open the Label Designer and select the correct label template as marked:

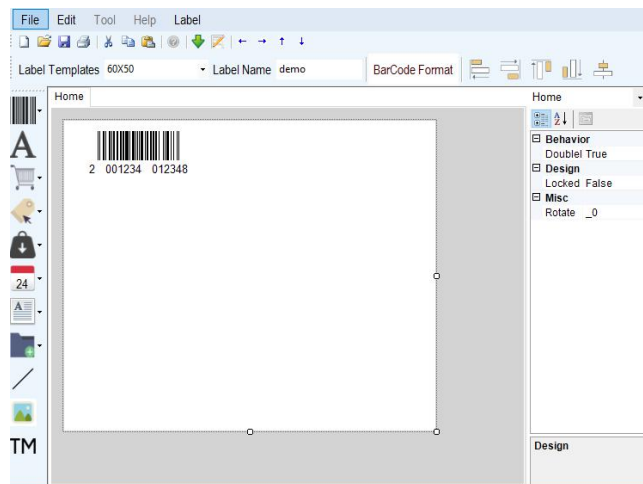
Save the Label by pressing . Name the format file as “demo.fmt” .



5.5.3. Add Barcode

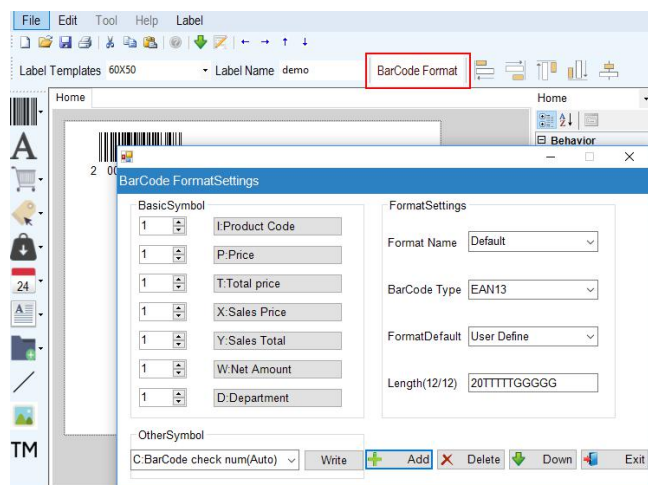
Currently, the supported barcode types are 1-dimension barcodes: EAN8, EAN13, Code 128 etc.

Select “Barcode” and click the Barcode tab, then a barcode image will appear on the label editor.



A barcode format can be edit, click the “Barcode Format” after selecting the barcode component:

Then, a barcode editor will pop up. Shown as picture:



The marked area is the barcode format. The variables are explained on the left hand side of the barcode editor. You may click on the buttons under “Basic symbol” to add the variables to the barcode format, or you can look for more symbols in the “Other symbol” dropdown, then click write.

Note: A variable can only be added when the barcode format did not exceed the maximum length.

Note: The barcode format must follow its rules. For example, and EAN13 format must end with a ‘C’ , or “Barcode checksum” .

5.5.3.1. Add a barcode format to the label editor

Open the barcode editor and set to the below settings:

The barcode will now display:

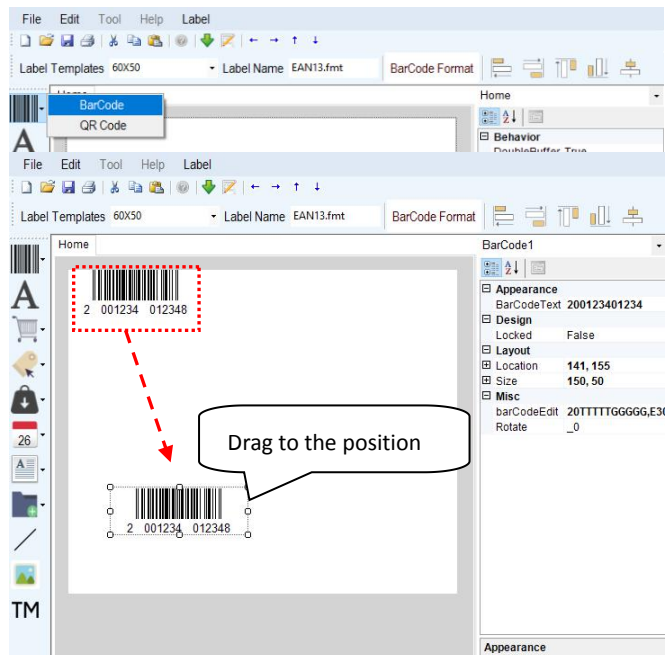
2-digit fixed number, 5-digit product code, 5-digit Net Amount,

Add “Format Name” Eg: Total Count

When finished, click  to confirm.

5.5.3.2. Choose barcode format to the label

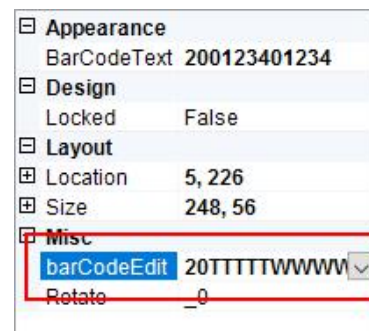
Click the barcode tab for adding a barcode:



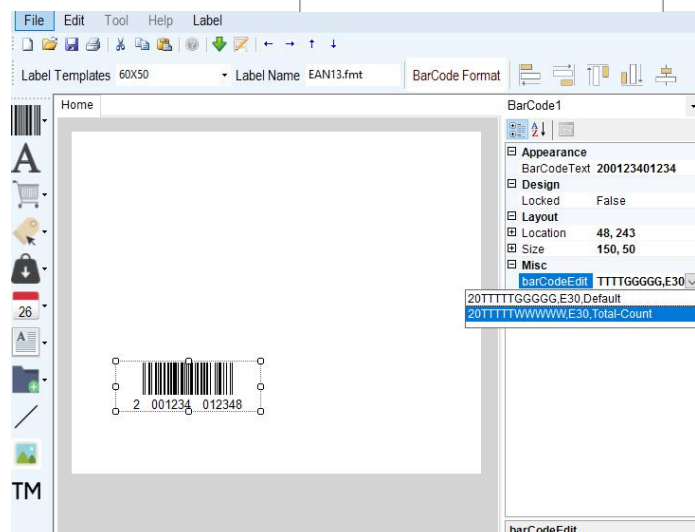
Drag it to the positioning

The barcode type/formats can be select as per below

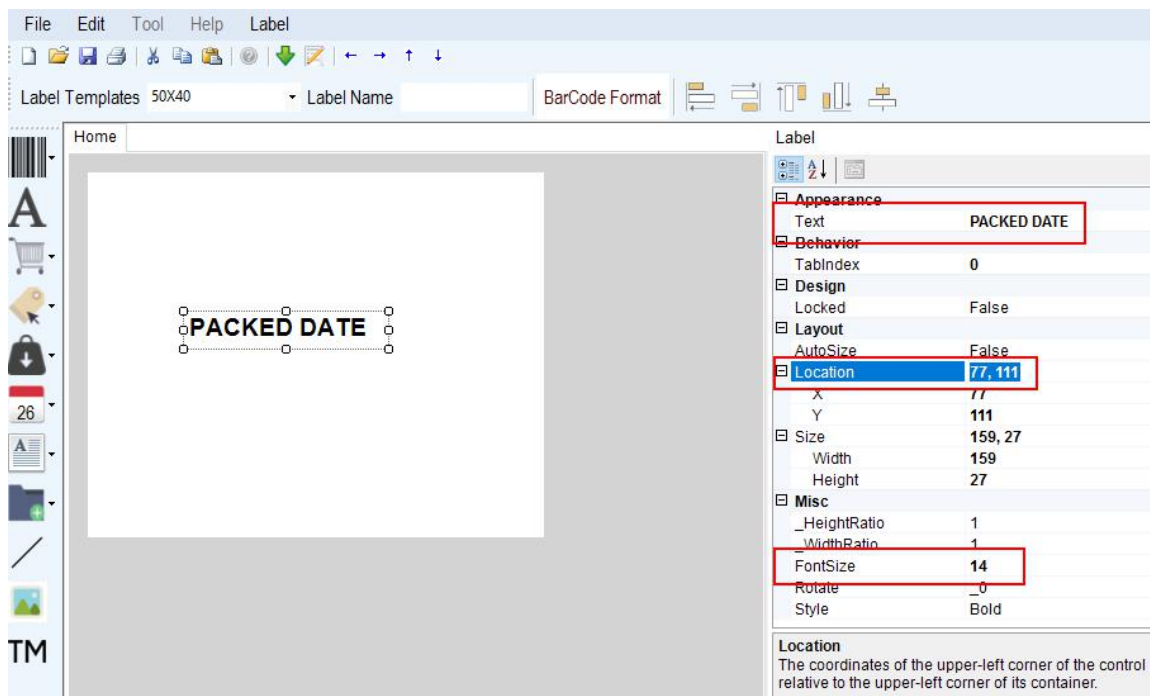
Click the "barCodeEdit" field for enable function



Click the dropdown list for choosing format



5.5.4. Fixed Texts



A fixed text is preset to the value the label designer wants it to be. It will be fixed for all the labels using the label format, and will not be changed based on the product being weighted.

The available configurations and constraints on the right side bar for a fixed text are:

1. Font size: Minimum 10.
2. Text: Any text.
3. Location: Must be non negative values.
4. Size: Must be big enough to show the full text.
5. Height Ratio: Must be an integer.
6. Style: Regular or Bold.

Data Variables

A data variable will display different values on the printed labels base on the real situation.

The available configurations and constraints on the right side bar for a data variable are:

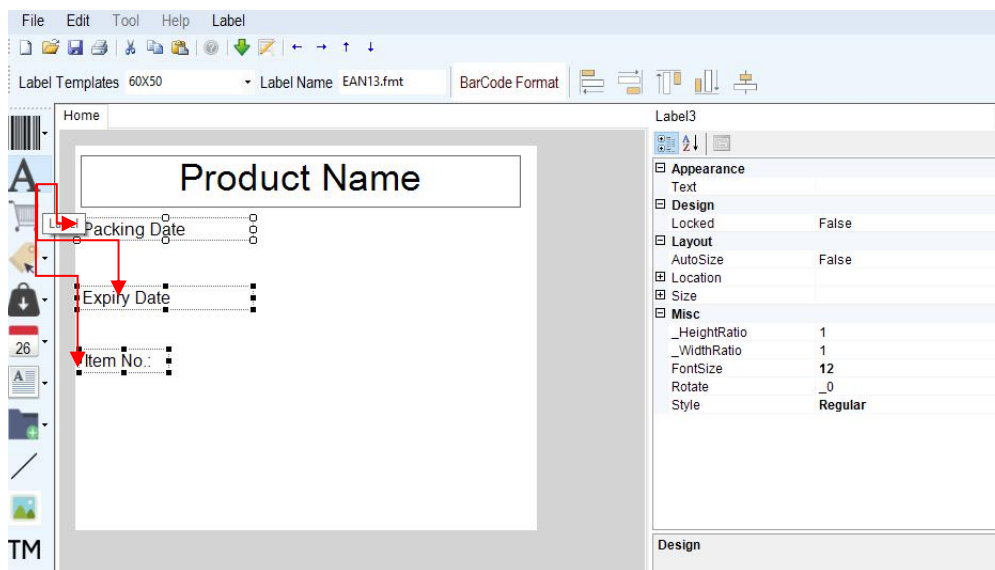
1. Font size: Minimum 10.
2. Location: Must be non negative values.

3. Size: Must be big enough to show the full text.
4. Height Ratio: Must be an integer.
5. Alignment: Left, Center, or Right.
6. Style: Regular or Bold.

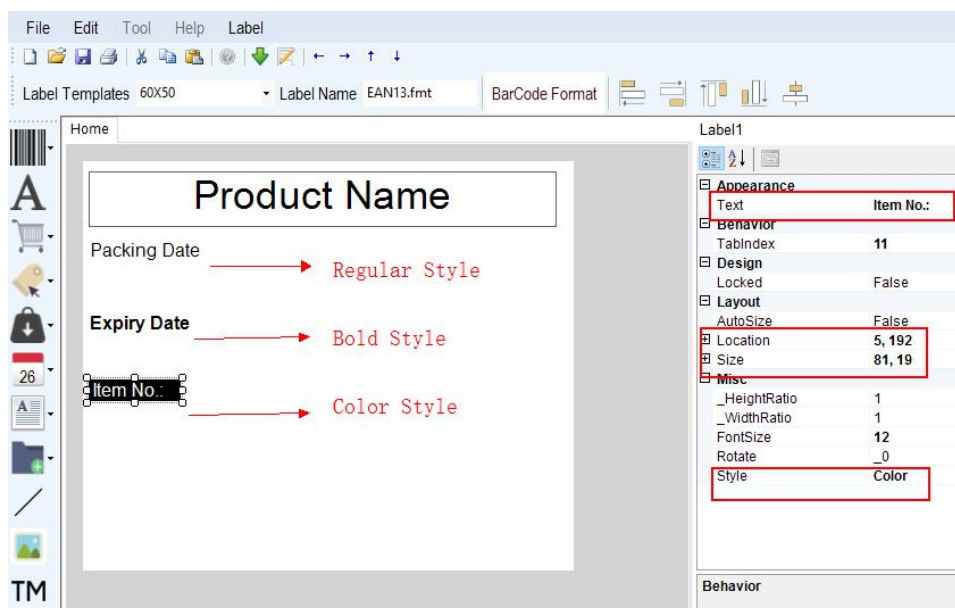
Fix Layout and Fixed Texts:

Add three fixed text (labels) as shown below:

1. Packing Date, 2. Expiry Date, 3. Item No

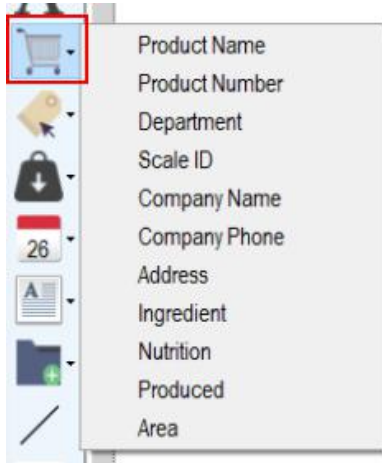


The Texts and font sizes can be configured as below:



5.5.5. Add Product Name

Product Information



Name of the Product – Set in Product Information

Product Number / PLU Number – Set in “Product Information”

Department (Usually a 2-digit number) – Set in “Scale Information”

Scale ID (Usually a 2-digit number) – Set in “Scale Information”

Company Name – Set in “Basic Parameter Settings”

Company Phone – Set in “basic Parameter Settings”

Address – Set in “Basic Parameter Settings”

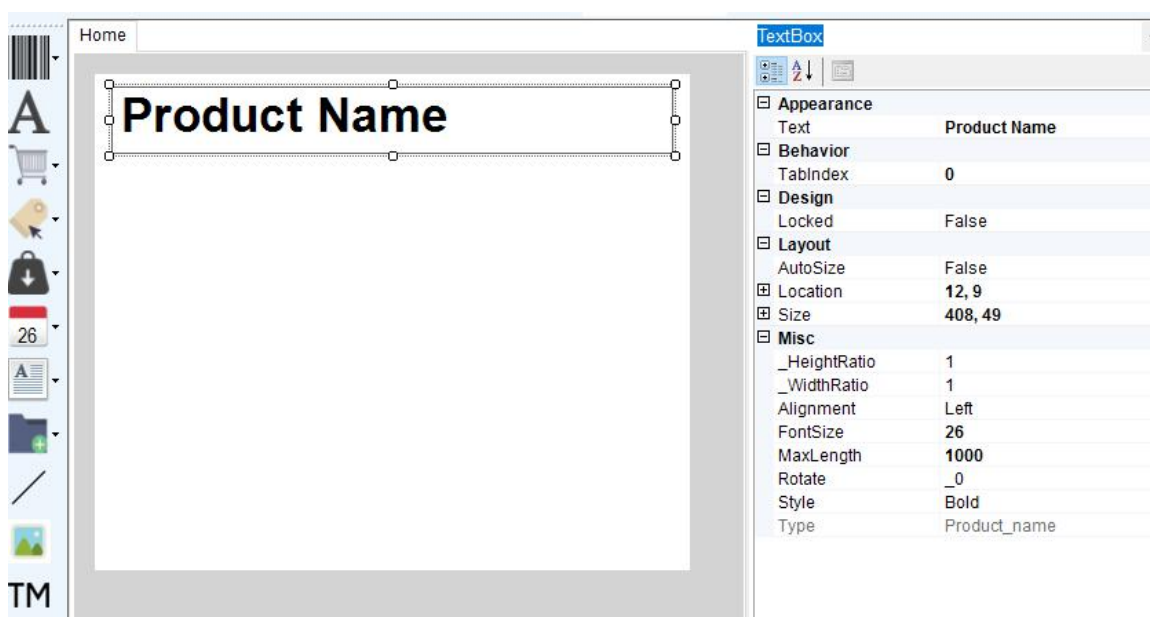
Ingredients – Set in Product Information

Nutrition – Set in Product Information

Produced – Set in Product Information

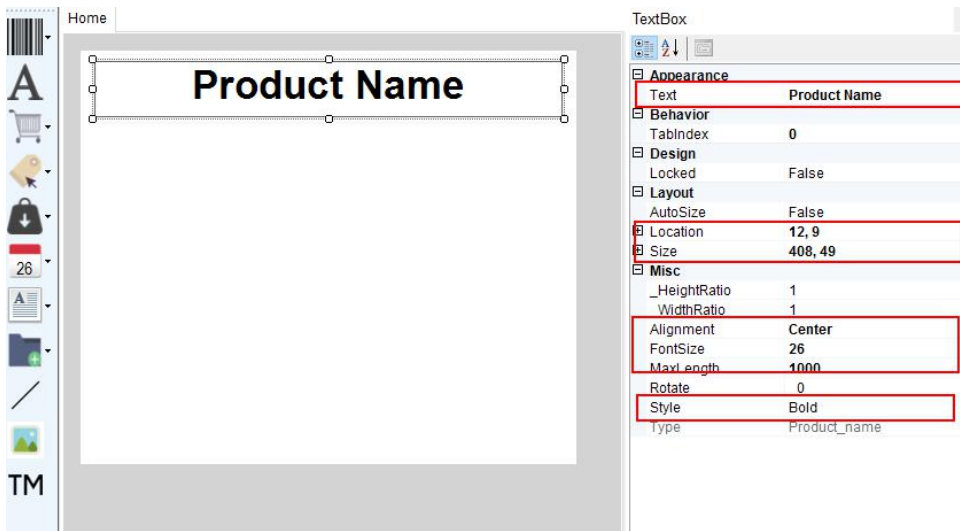
Area- Set in Product information "Origin"

Add a data field “Product name” to the label editor.

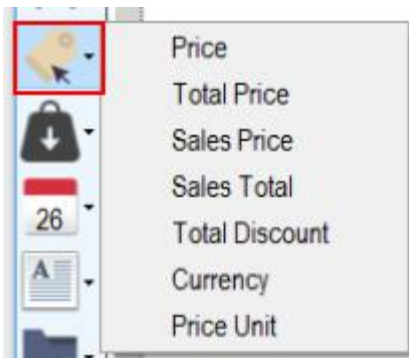


Changed the following values in the right hand bar:

Text Name (if required), Location, Size, Alignment, FontSize, Style as below:



5.5.6. Add Sales Price and Sales Total



Price: Unit Price of the product

Total Price: Total Price of the product

Sales Total: Sales Unit Price

Total Price after sales

Total Discount = Total Price - Total Sales

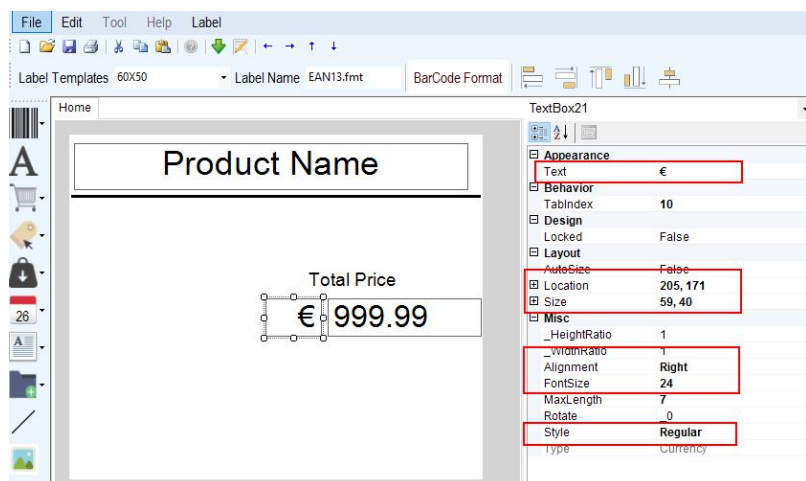
Currency: The unit of the price selected on the scale, e.g. \$

Price Unit: Price per weight, e.g. \$/kg

Add currency variable:

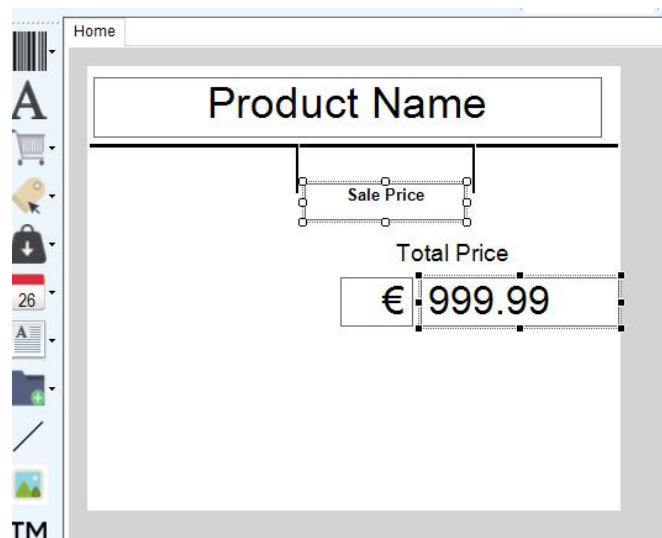
displayed text (Eg: €, This only affects the text in the label editor)

Adjust the font size, alignment and style.

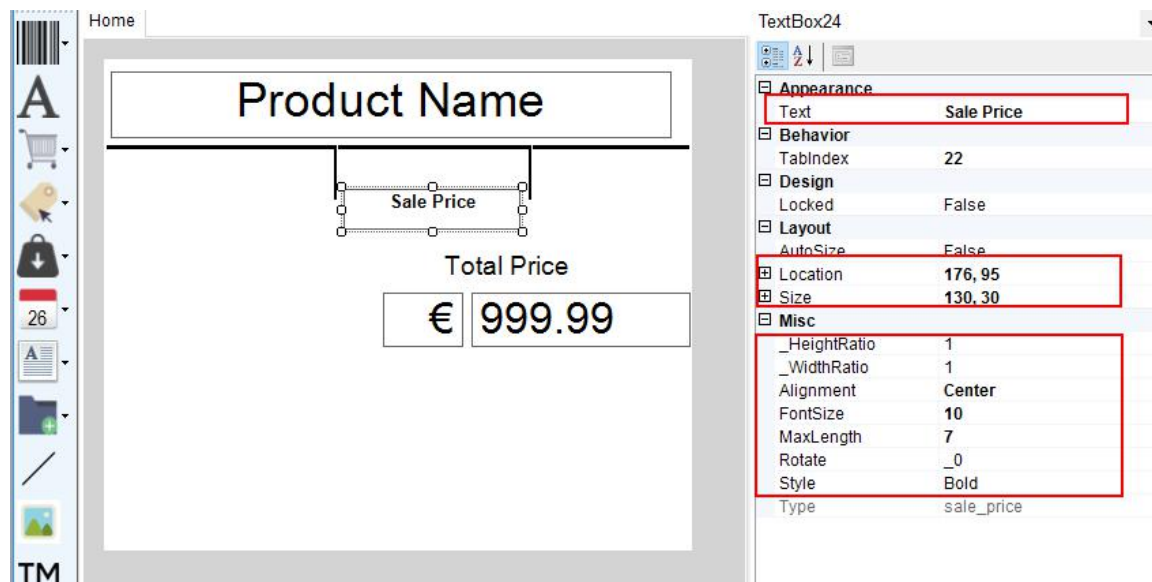


Add two prices to the label.

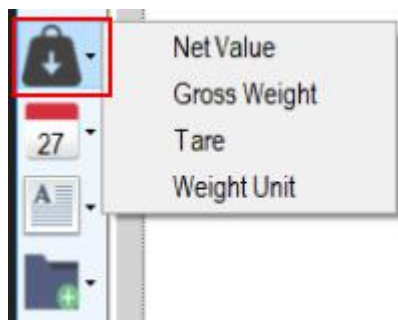
Sale Price & Sale Total



Adjust the location, alignment, _HeightRatio, font size and style as below:



5.5.7. Add weight



Net Value – Weight if weighted product & Count if piece counting product

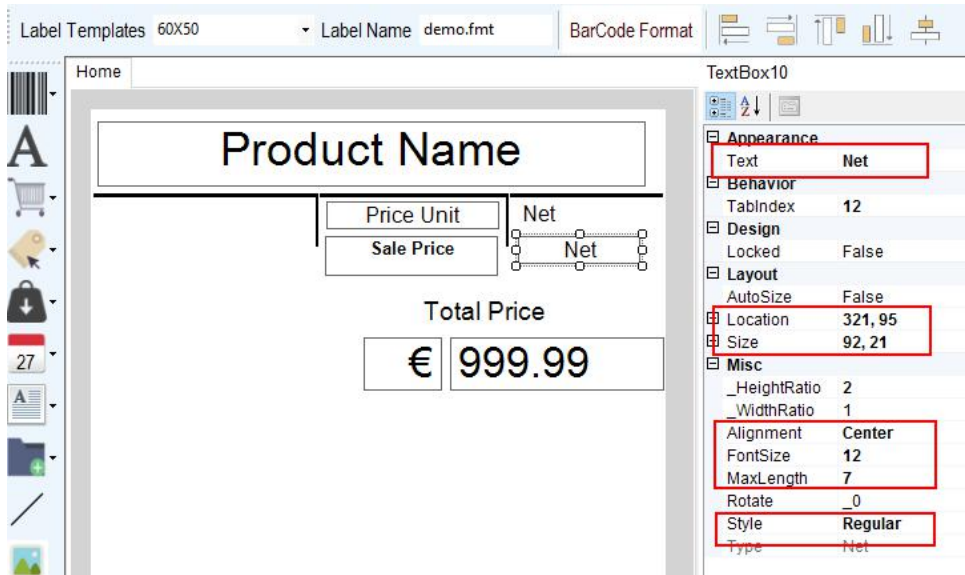
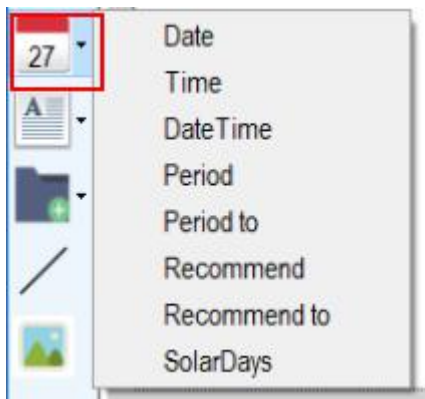
Gross Weight of the weighted product

The Tare value used for the product

Unit of the weight, e.g. kg

Add weight variable:

Adjust the font size, displayed text (This only affects the text in the label editor), and alignment.

**5.5.8. Printed Date and Time****Date and Time**

Date – Date of the label printed. Date format can be set in “System Settings”

Time – Time of the label printed.

Date Time – Date and time combined

Period – Printed Date + “Period” number of days set in product information

Period to: The date from print date + Period (Days to Expire)

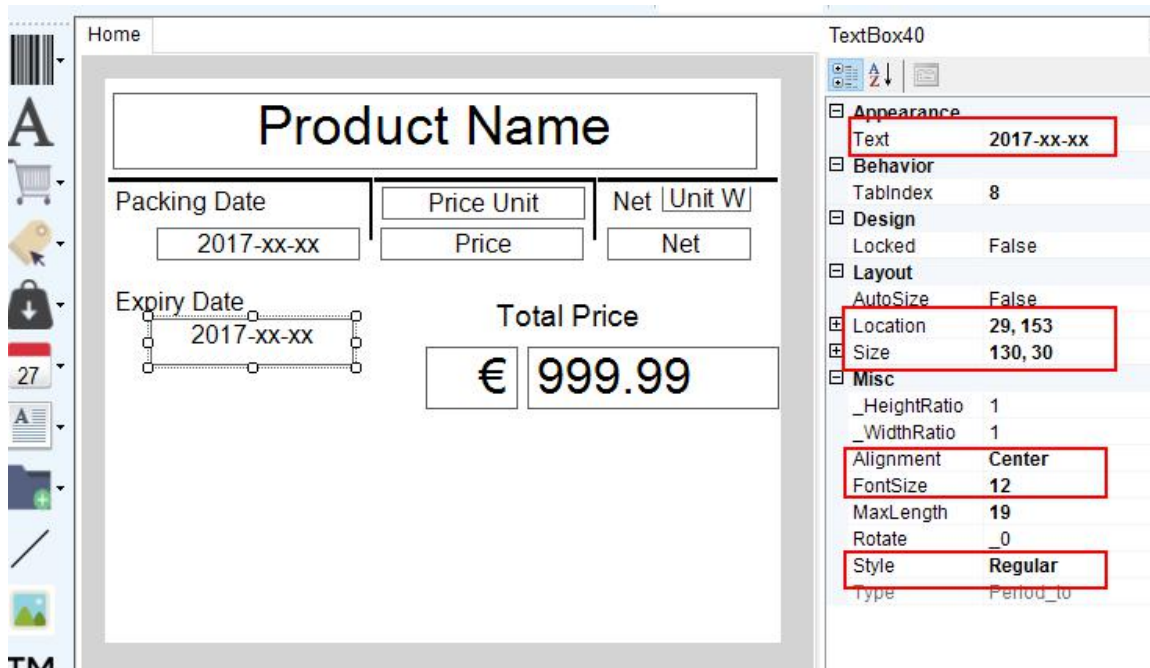
Recommend: The date from the print date+ "Recommend" number of days set in product information

Recommend to: The date from print date + Recommend

SolarDays: Number of Days past in current year

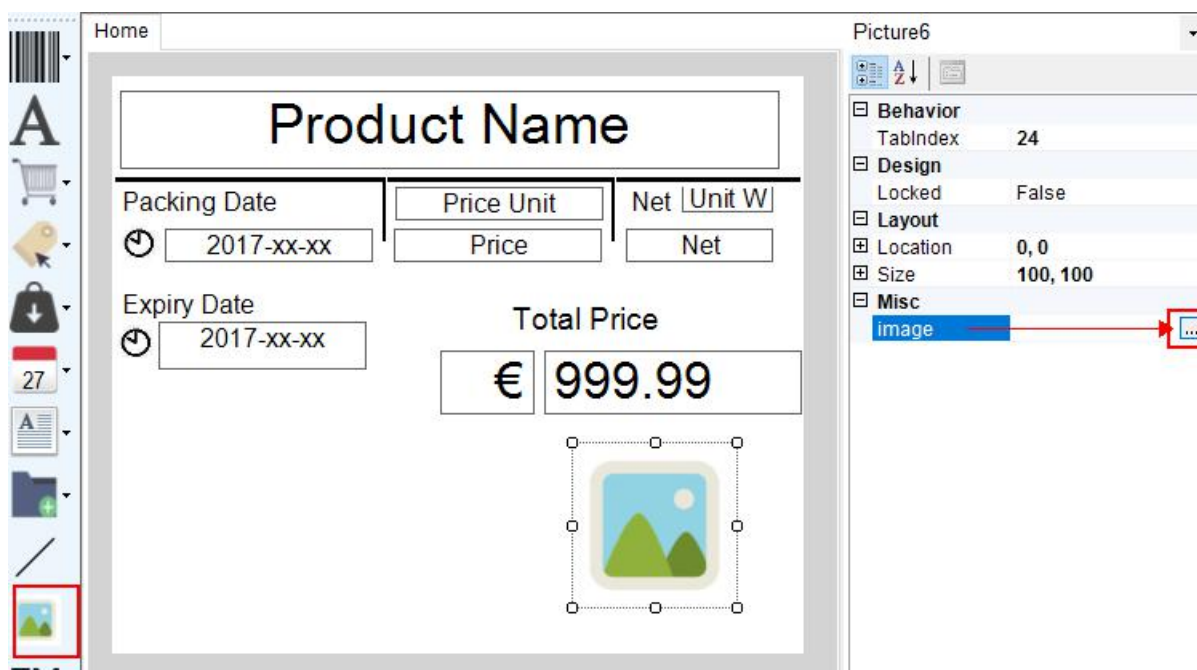
Grab Date and Time from the left hand bar:

Adjust the text, location, alignment, font size and style of the date and time.

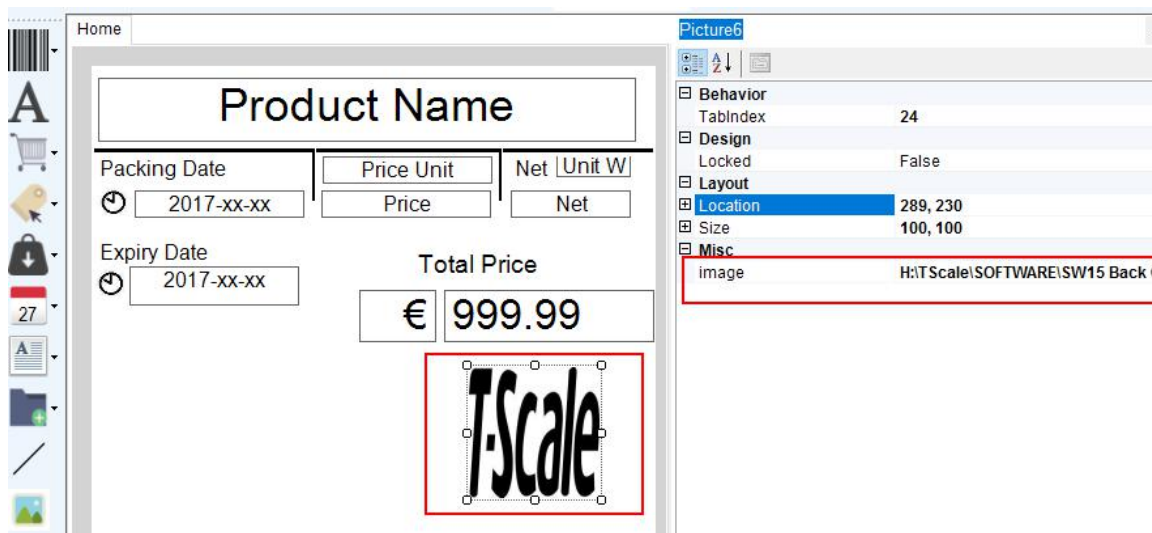
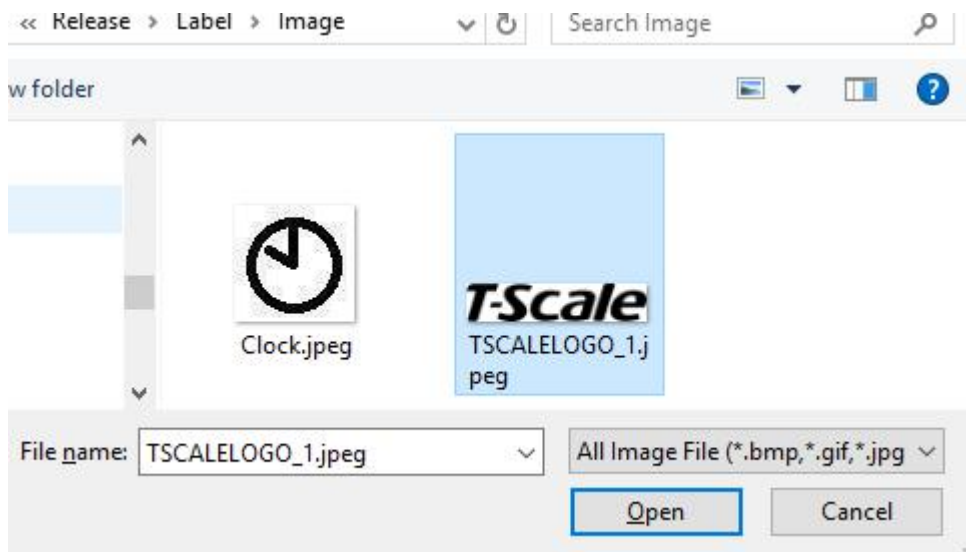


5.5.9. Add Image

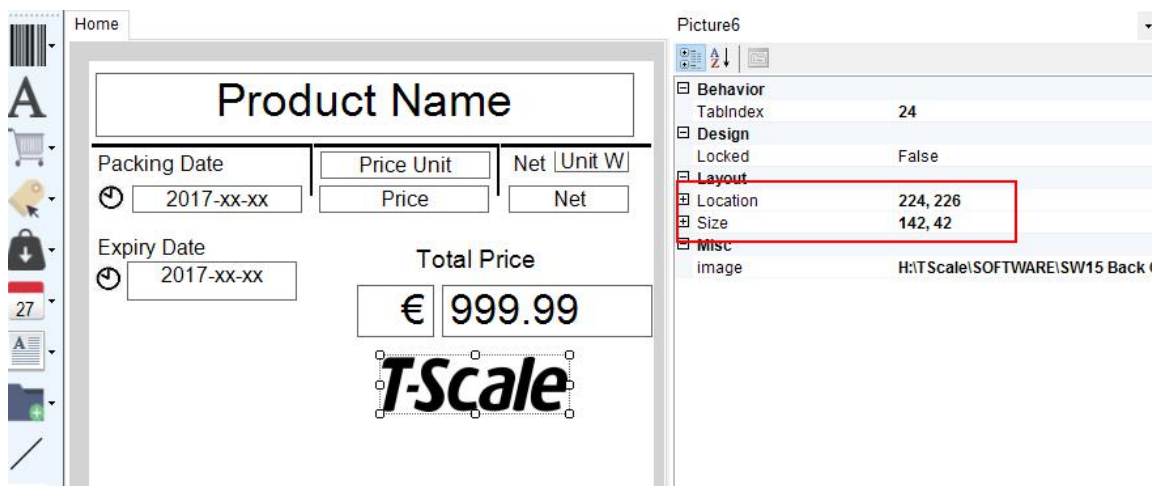
Add an image from the left hand bar. Select the image and select the image setting in the right hand bar. Shown as below:



Click on the button and choose a black and white only image. Example, TSCALE LOGO.jpeg



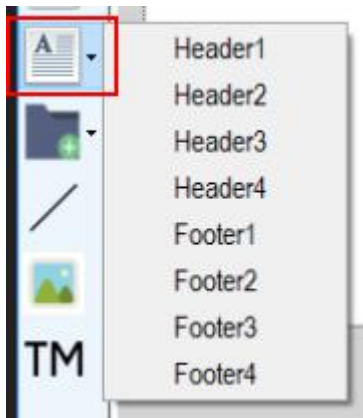
Adjust the location and size, now the image will be show as per below



Image

1. Location: Must be non-negative values.
2. Size: Must be non-negative values.
3. Image: select  button and choose the image path and file name of your image on the computer. The image must be black and white only.
4. Format: jpeg/png, black & white pictures.

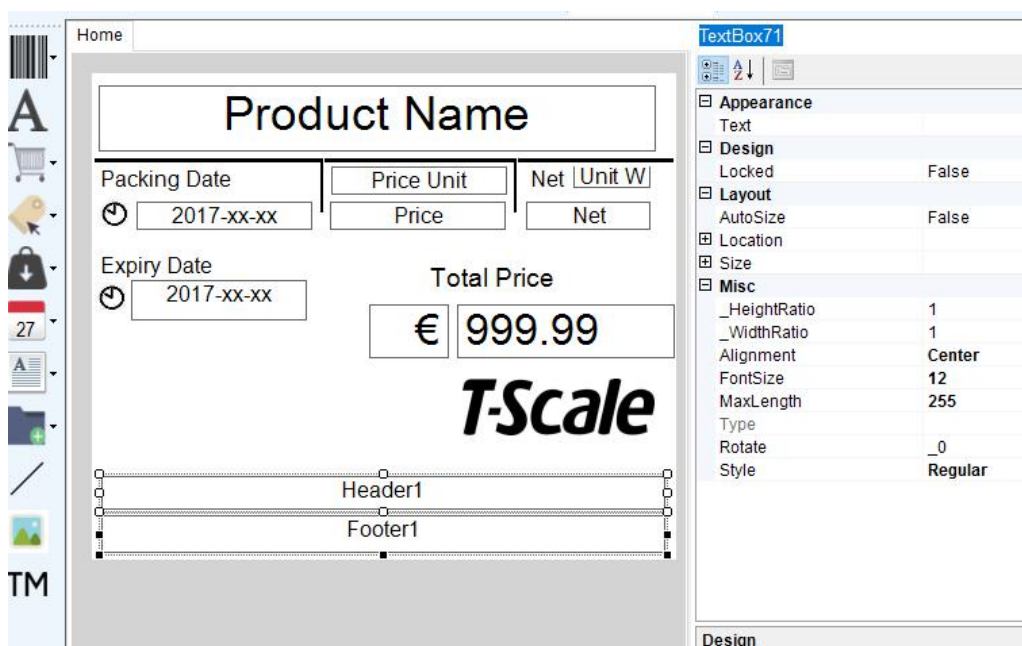
5.5.10. Add Headers and Footers



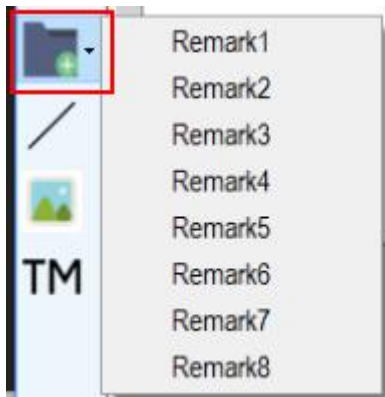
4 Headers can be set in “Basic Parameter Settings”

4 Footers can be set in “Basic Parameter Settings”

Add headers to the label, Adjust the font size and _HeightRatio



5.5.11. Add Remarks



Remarks can be set in the “Product Information”

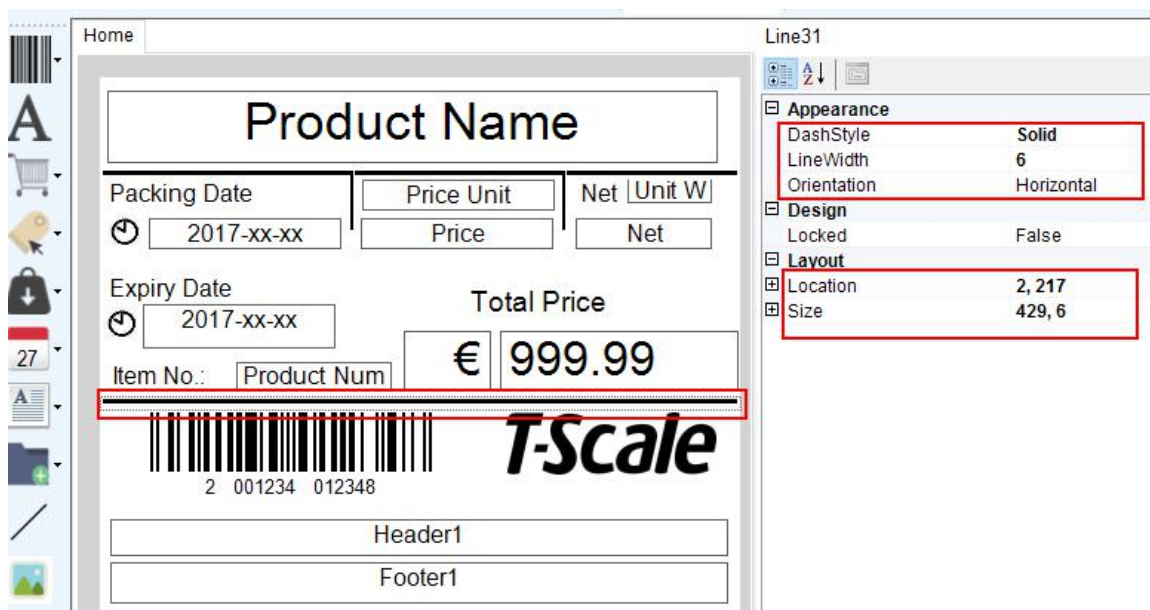
They are freely designed fields.

Remark1-4: 1500 characters

Remark5-8: 500 characters

5.5.12. Add Straight Line

1. DashStyle: can be choose the line style option from drop down list
2. LineWidth: can be enter line thickness
3. Orientation: Horizontal or Vertical



NOTE:

All components can be deleted, cut, copied, or pasted.

Select the components you wish to act upon.

1. Delete: Ctrl + Del
2. Cut: Ctrl + X
3. Copy: Ctrl + C
4. Paste: Ctrl + V

You may also perform these functions with right clicking on the selected component.

5.5.13. Saving a Label

Saving

To save a label, it works similar to most window software. You may go to:

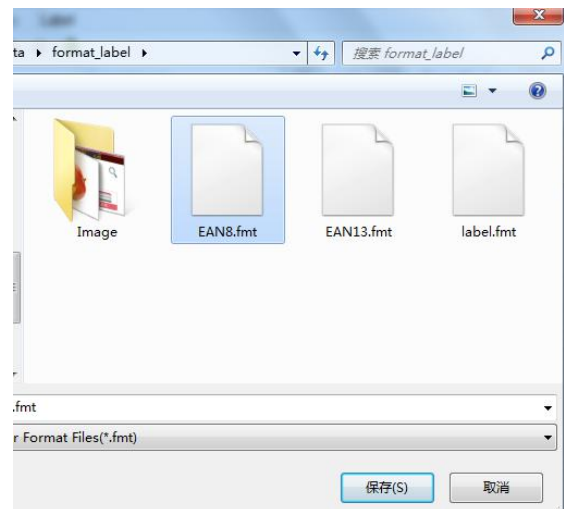
1. “File”->”Save” or select  which will ask you where you want to store the new label files if the label is created for the first time, or save the file in the previously selected location.
2. “File” -> “Save As” which will allow the user to save the label files in a different location.

Image and “.fmt” Files

Once the label files are saved, two items will be created on your windows machine:

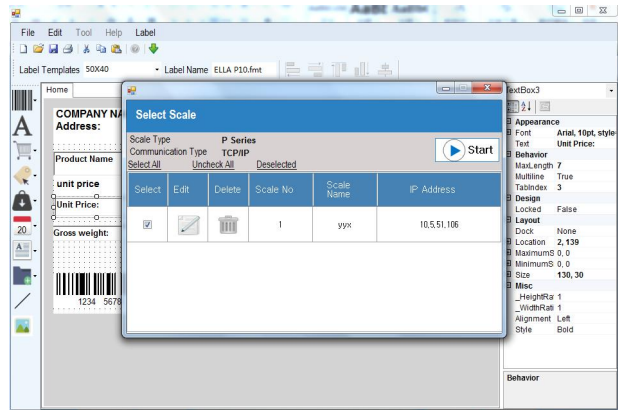
1. .fmt file. This file contains the information of the label format.
2. Image folder. This folder contains all the images used in the label format.

Note: It is recommended to the user to save all the label formats under the same folder, so it can be easier to manage. The Image folder must also be in the same path as the according .fmt file.

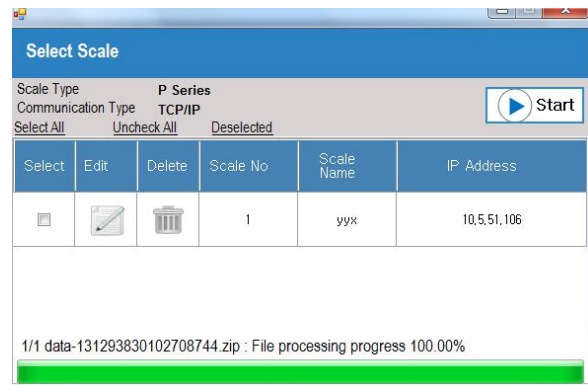


5.5.14. Transferring a Label Format

1. Save the label format in your windows machine before transferring the label format to scale.
2. Make sure the targeted scales are in the same network as your windows machine.
3. Click on  button, then after a while, a list of available scale devices will pop up.



4. Select the targeted scales, and press  .
The label format will now be downloaded.

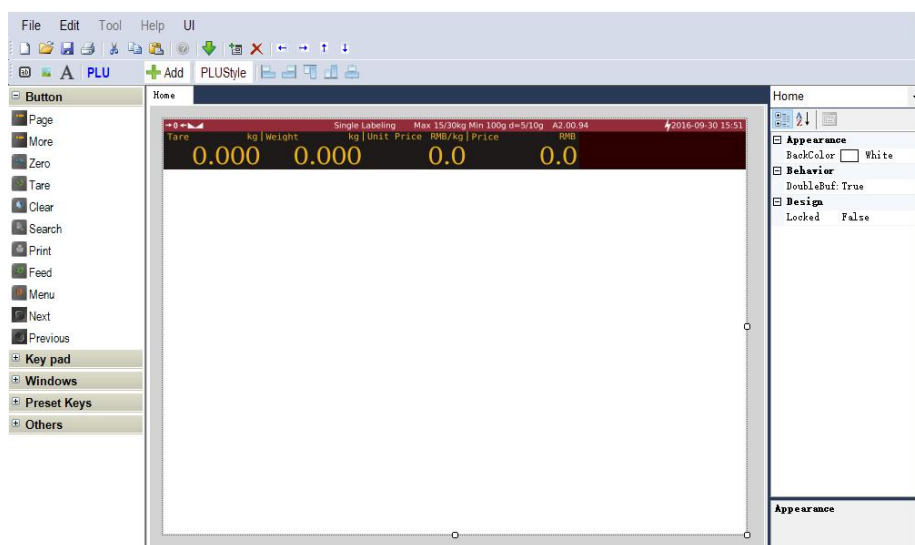


5.6. Operation Interface (Beta version)

Operation interface allows the user to design a sales interface from the back office software and transfer to the scales.



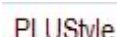
Operation Interface window can be opened by clicking the icon in the main menu or choose from the tool bar, selecting “Advanced Settings” -> “Operation Interface”



The UI Design template is fixed to 640 pixels by 400 pixels. The top of the User Interface is the weighing information, and it cannot be covered. The components on the scales will match identically to UI designed with TTC.

5.6.1. Button instruction

Icon	Description
	These icons are windows' default. Use these to create new UI Design, open an existing UI Design with .ui file extension, or save the UI Design.
	The download button is used to transfer the UI design to the scales. Once the UI design is saved, it can be transferred to any existing and connected scales. Once the UI is transferred to the scale, it will automatically be applied to the sales screen. Then click start to continue the transfer process.

	Button Component. Create a button on the page. Its functionality can be set in the properties section. It can be used as a page switcher by adding a “destination” variable to the button component, or can be set to a functional button by setting its function type.
	Image Component. The UI will display the image added onto the UI design. The image can be set in the properties section. The image format must have a .png file extension.
	Text Component. The UI will display the inserted text field. The text can be set in the properties section.
	PLU/Product Component. By selecting a product, the product icon will be added onto the UI. Note that the product must be inserted into the back office’s database using the “PLU Information.”
	PLU Style Component. Create PLU back ground/style. It could be adjust PLU keys font size, font color, back ground color and transparency. Note that the customized PLU’s style only adjustable. Fixed or default keys are not applicable
Button	Basic buttons with pre-configured functionality
Key Pad	Grouped templates of buttons.
Windows	Pre-configured displays or layouts
Preset Keys	Vendor icons and tare layers
Others	Media displays.

a) Page Layout Section

This section displays the page layout of the current UI Design. Right or left click a page to add or delete a page. Double click to show the page for editing.

b) Properties Section

This section offers the user to perform detailed configuration on the selected UI component.

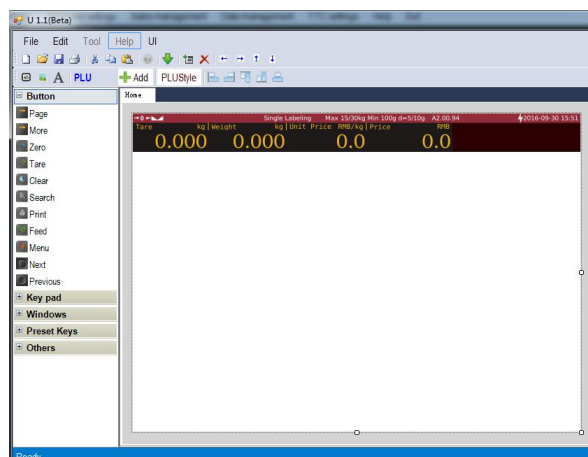
The below chart shows the currently supported properties against each component:

Property \ Component	Button	Picture	Label	PLU	Function button
Location	✓	✓	✓	✓	✓
Size	✓	✓	✓	✓	✓
Text	✓	✓	✓	✓	✓
Background Image	✓	✗	✓	✗	✓
Image	✗	✓	✓	✗	✗
Destination	✓	✗	✗	✗	✗

5.6.2. Add page

Click  button to add a page

If set more category, the page should be added correspondingly

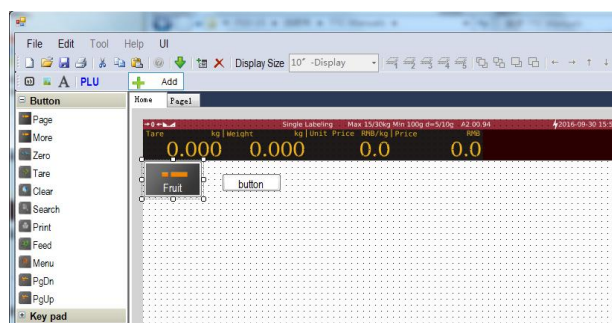


5.6.3. Add button

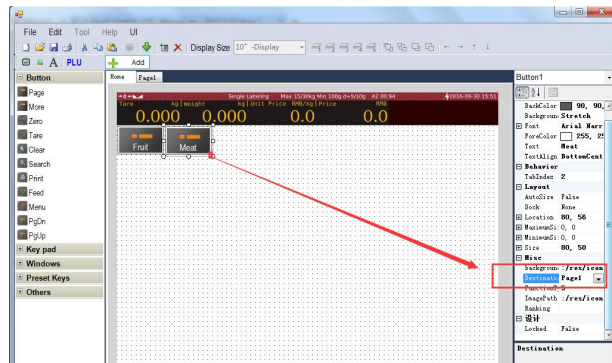
Double click a button from the left bar,

or click  icon to create a button,

drag the variable to proper area

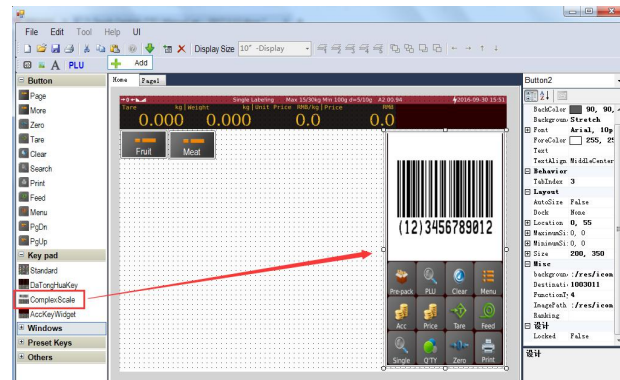


Set Its functionality in the right properties section. It can be used as a page switcher by adding a “destination” variable to the button component, or can be set to a functional button by setting its function type.



5.6.4. Add key pad

Select Key pad option, double click one Key pad named complex scale, drag the key pad to proper field

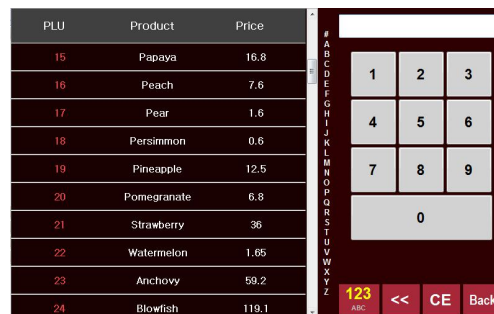


5.6.5. Add PLU

It allows the user to add PLU in the page

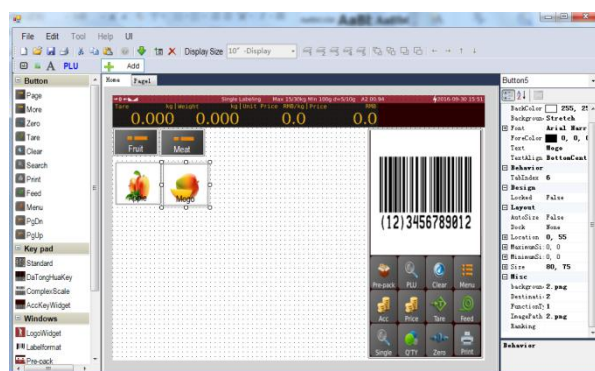
one by one,

click  Add key, the display show PLU



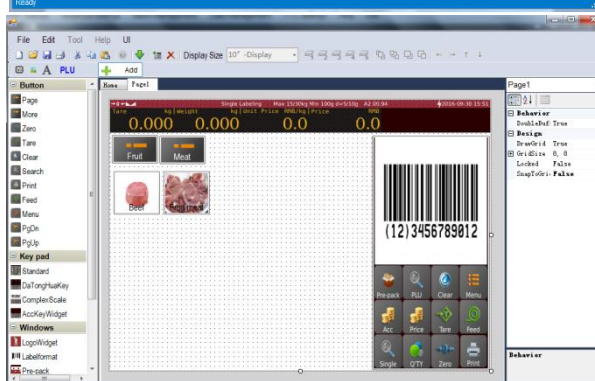
interface

Select PLU to add in the home page



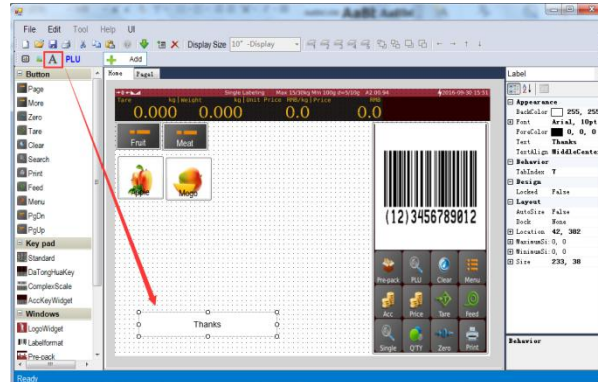
Select PLU to add in the page1

Set Its functionality in the right properties section



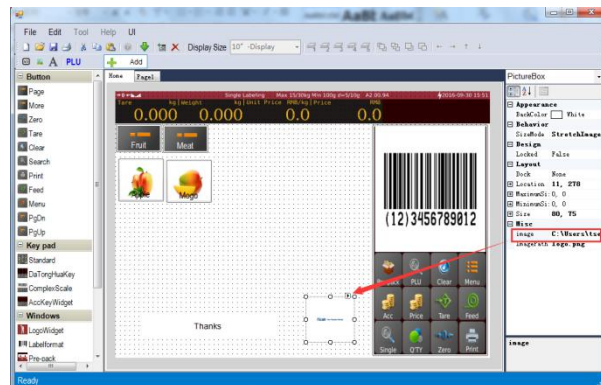
5.6.6. Add text

It allows to add text in the blank field,
set content in the right properties section

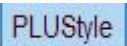


5.6.7. Add image

It allows to add image in the blank field, click  key to add a blank image, add a logo in the right properties section, shown as the right picture



5.6.8. PLU Style

By clicking  tab, it will pop up a PLUStyle window for configuring font size, font color, back ground color, and transparency.

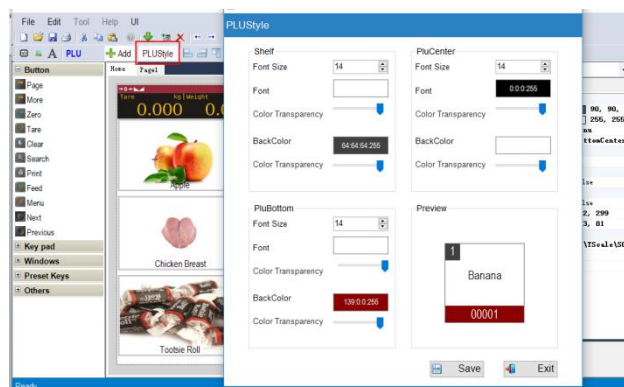
NOTE:

All components can be deleted, cut, copied, or pasted.

Select the components you wish to act upon.

1. Delete: Ctrl + Del

2. Cut: Ctrl + X



3. Copy: Ctrl + C

4. Paste: Ctrl + V

You may also perform these functions with right clicking on the selected component.

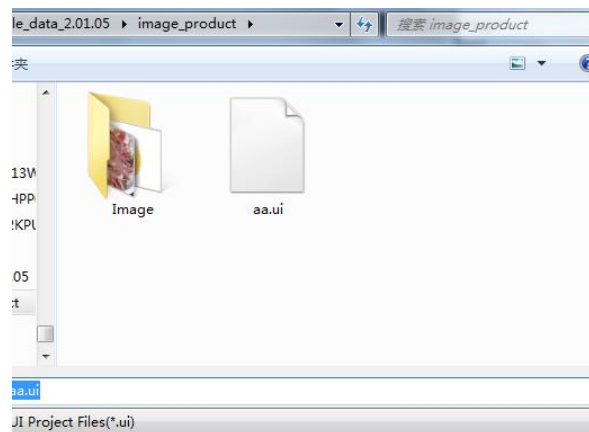
5.6.9. Saving a UI

Saving

To save a label, it works similar to most window software. You may go to:

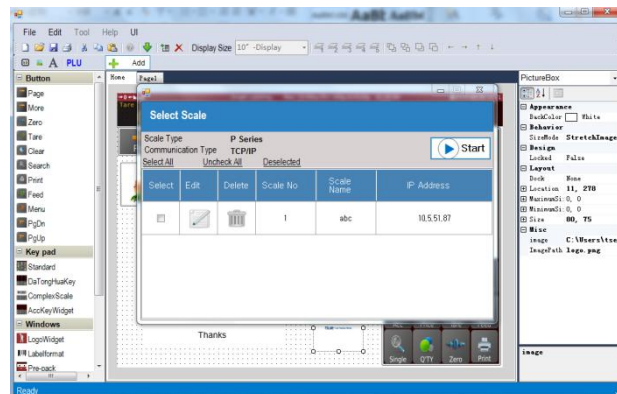
1. “File” -> “Save” or select  which will ask you where you want to store the new UI files if the UI is created for the first time, or save the file in the previously selected location.
2. “File” -> “Save As” which will allow the user to save the UI in a different location.

Image and “.ui” Files



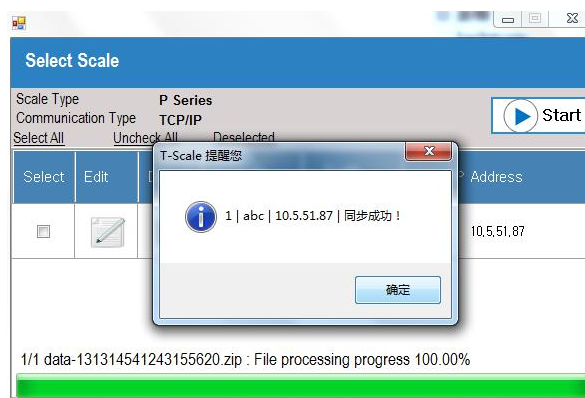
5.6.10. Down UI

1. Save the UI in your windows machine before transferring the UI to scale.
2. Make sure the targeted scales are in the same network as your windows machine.
3. Click on  button, then after a while, a list of available scale devices will pop up.



4. Select the targeted scales, and press

. The label format will now be downloaded.

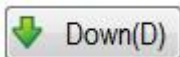


5.7. Data Issued

This function allows the user to perform multiple data type transfer

Data issued window can be opened by clicking the  icon in the main menu or choose from the tool bar, selecting “Data management” -> “Data issued ”

Select the targeted data type then click



to start the data transfer.

Select	ID	Table	Explanation
☒	1	tab_user	Operator
☒	2	tab_department	Department
☒	3	tab_product	Product
☒	4	tab_tax	Tax Tate
☒	5	tab_print_format	Print format
☒	6	tab_keypage	Preset Keys
☒	7	tab_key	Preset Keys

Select All

Uncheck All

Deselected

Down

Exit

5.8. Basic Parameter Setting

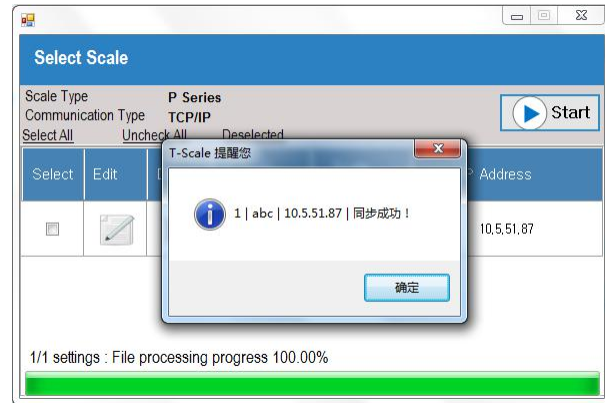
This function allows the user to configure the company information transfer the company basic information to the scales, This information will be used in the label format. basic parameter setting

window can be opened by clicking the  icon in the main menu or choose from the tool bar, selecting “Parameter setting” -> “basic parameter setting ”

Basic Parameter Setting window showing various configuration options for company information and receipt formatting.

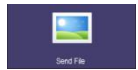
Currently, it allows to configure basic /system/operate parameter/ Technical setting,

Click the  button to transfer, or click the  button to download, then click  key to start data transfer

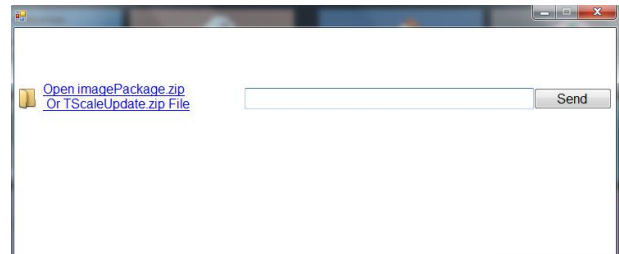


5.9. Send File

This function allows the user to send image files to the scale, or send update patch to the scales. Send file window can be opened by clicking the



icon in the main menu or choose from the tool bar, selecting “Data management” -> “Send file ”



Click on the [OpenimagePackage.zip orTScaleUpdate.zip File](#) button then select the matching .zip file.

a) imagePackage.zip Format:

Compress all the image/video folders directly (with no parent directory).

- imagePackage.zip
 - image_product
 - media

b) TScaleUpdate.zip Format:

Compress the update file T-Touch and the library folder TscaleLib.

- TScaleUpdate.zip
 - T-Touch
 - Back

- TscaleLib

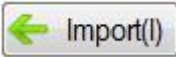
- c) If an image zip file is sent to the scale, the images will be stored in the scale and can be used as product image displays.
- d) If an update zip file is sent to the scale, the scale will prompt the user for software update.

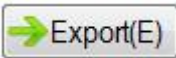
5.10. Backup/Restore Scale Data

This function allows the user to make backups for a scale, or restore the data onto a scale. Backup/Restore scale data window can be opened

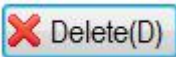
by clicking the  icon in the main menu or choose from the tool bar, selecting “Data management” -> “Backup/Restore scale data ”

NO.	Data
1	Product
2	ProductImage
3	Category
4	CategoryImage
5	Department
6	Video
7	Report
8	Print Format

 : Backup a scale ’ s data to the selected path.

 : Restore a scale ’ s data using the backup files in the selected path.

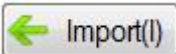
 : The folder where the backup files will be saved to data files will be used as the data recovery files. It is defaulted to a Backup folder in the back office software root directory.

 : Delete all the backup files in the selected path.

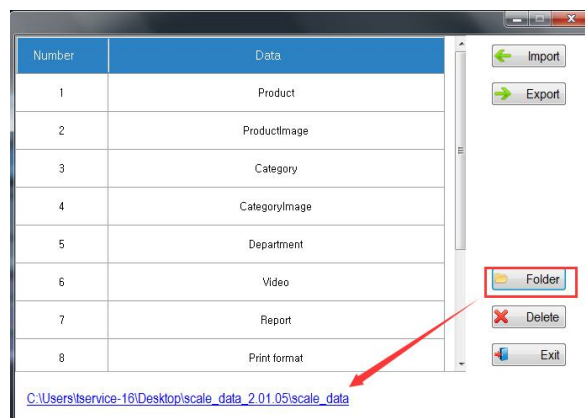
a) List of import/export data files:

Name	Type	Information
format_label	Folder	All Label Formats (.fmt) files stored in the scale.
image_product	Folder	All the product images stored in the scale.
media	Folder	Customer display image and Video files stored in the scale.
bar_report.csv	CSV File	Label printing transaction record.

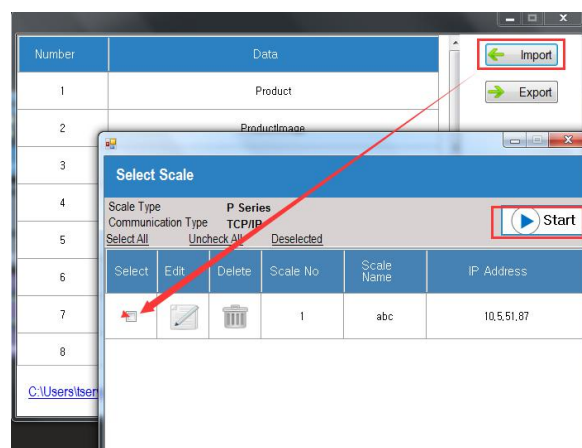
category_a.csv	CSV File	Category A information.
category_b.csv	CSV File	Category B information.
category_c.csv	CSV File	Category C information.
department.csv	CSV File	Department information.
keys_key.csv	CSV File	Keys information in the current Sales User Interface
keys_keypage.csv	CSV File	Page information in the current Sales User Interface
operator.csv	CSV File	User Account information.
print_format.csv	CSV File	Print formats that are added to the selection page.
product.csv	CSV File	Product information.
tag.csv	CSV File	Electronic Tag information (For future use).
tax.csv	CSV File	Tax information.

b)  :

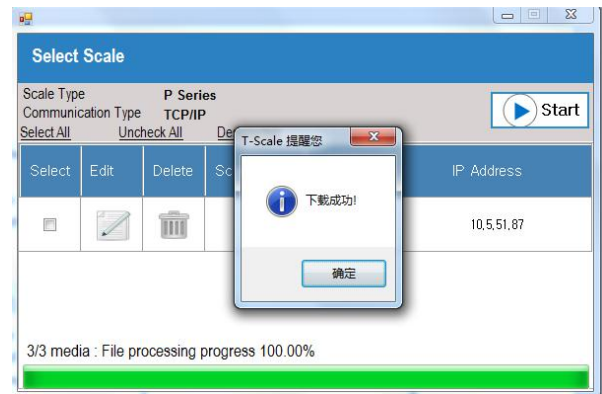
- 1) Select  to choose the path where you want the data files to be saved to. The default path set to the path of the back office software.



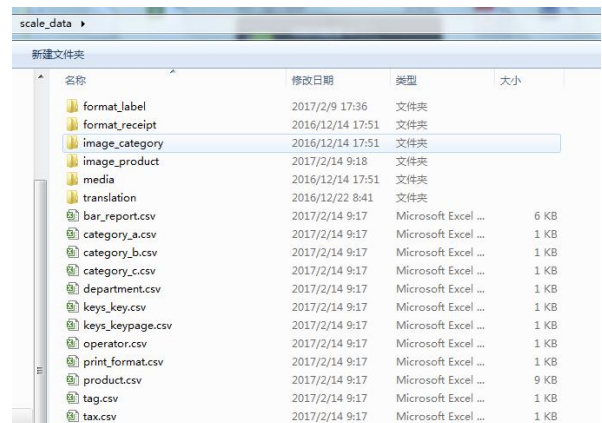
- 2) Select Import and select the target device (Only one) which will be backed Up.

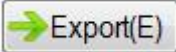


- 3) Click start to begin the process. This process will take a couple minutes depends on the size of the data.

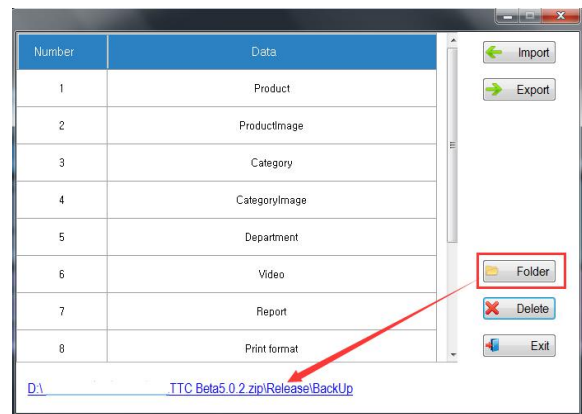


- 4) After the transfer is finished, all the backed up data files (Listed in part a) will be stored under the path selected in step 1.

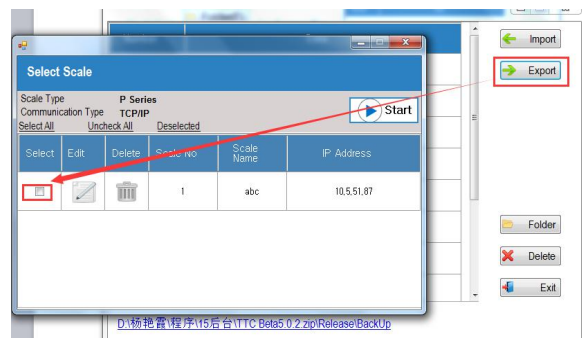


c)  :

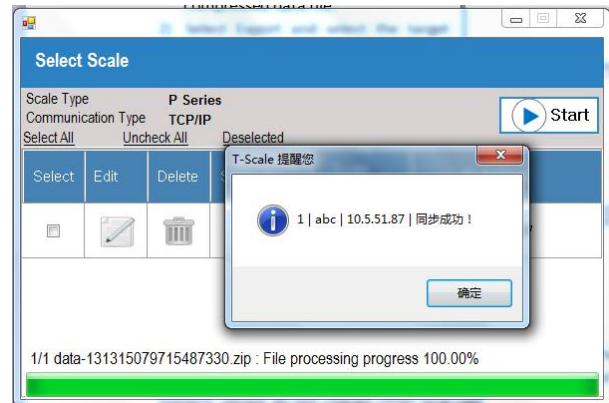
- 1) Select  to choose the path of the data that will be exported. The listed folders/files in part a will be compressed into a compressed data file.



- 2) Select Export and select the target device.



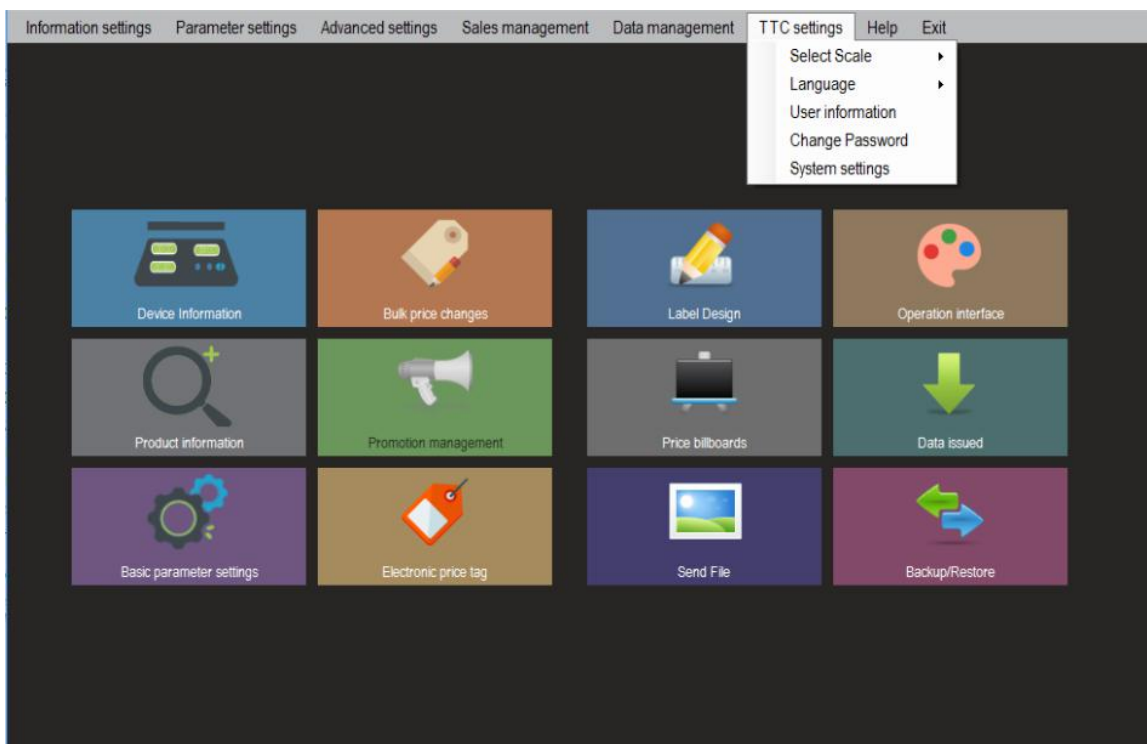
- 3) Click  to begin the process. This process will take a couple minutes depends on the size of the data.



Note: All of the file name of the data must only contain English letters, numbers, spaces, and underscores.

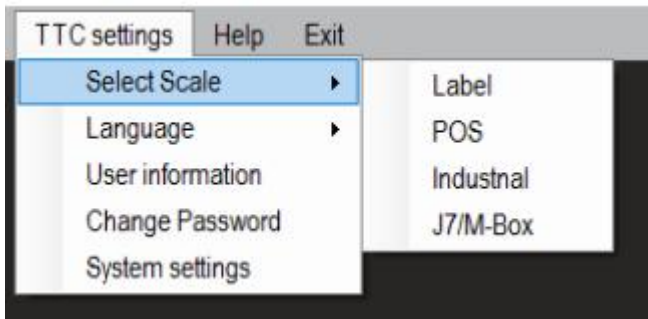
5.11. TTC Settings

It allows the user to manage the TTC back office software, for choosing scale/product type, Language, TTC User Information, Changing Password and System Settings



5.11.1) Select Scale

It allows the user to configure TTC back office software for managing the scale/device.



Label: SW15 Label Printing Application Scales

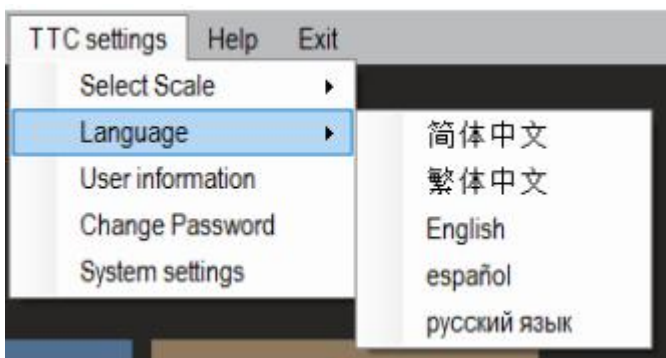
POS: SW12 POS Receipt printing Application Scales

Industrial: SW40 Industrial Application Scales

J7/M-Box: J Series/ M-Box Application

5.11.2) Language

It allows the user to configure TTC back office software's language.

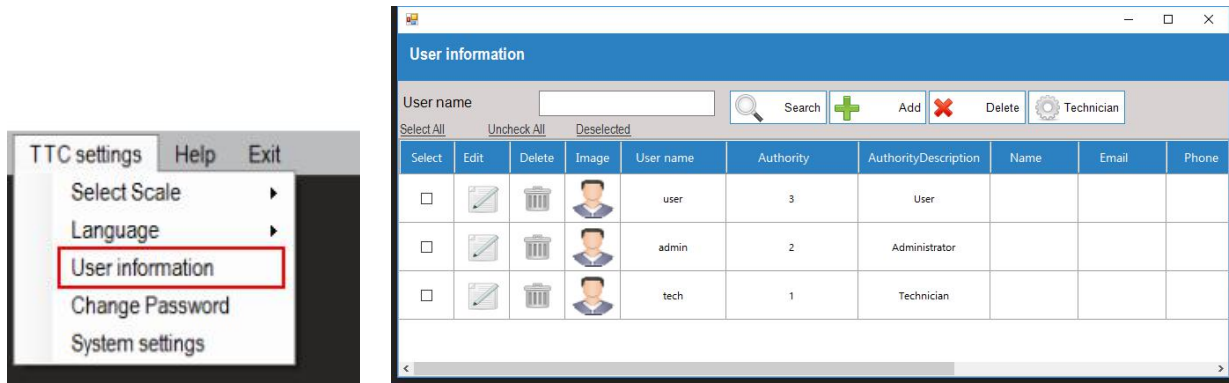


Currently supported

- Simplified Chinese
- Traditional Chinese
- English
- Spanish
- Russian

5.11.3) User Information (TTC Back Office Software)

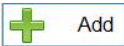
It allows configuring TTC back office software's user accounts



TTC User Types

- a) Technician:** The super user of TTC software. There can only be one Technician account. The technician has all access to TTC, and can also set the Technician password on T-Touch Scales.
- b) Administrator:** The administrator can manage the accounts on TTC. These accounts will not be able to change the technician password on the scale(s). Administrator may have limited access to TTC compare to Technician.
- c) Operator:** Normal users. These users may have limited access to TTC functionalities, and their account will be managed by the technician or administrator accounts.

5.11.3.1. Add user information

Click  key, it offers the user to input number, user name and password etc. information.

Then click  key to save information

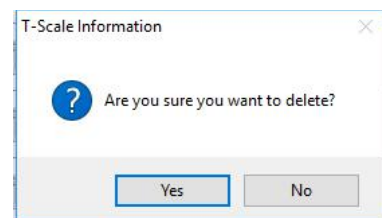
The 'User information' form includes fields for: User name (with a red asterisk), Password (with a red asterisk), User Permission (dropdown menu set to 'Technician'), Name, Email, Phone, and Address. There is a large grey area for an image and an 'Upload Image' button. A green 'Save' button is at the bottom right.

5.11.3.2. Delete user information

Select the corresponding scales

User information							
User name				Search	Add	Delete	T
Select All	Uncheck All	Deselected					
Select	Edit	Delete	Image	User name	Authority	AuthorityDescription	Name
☐				user	3	User	
☒				admin	2	Administrator	
☐				tech	1	Technician	

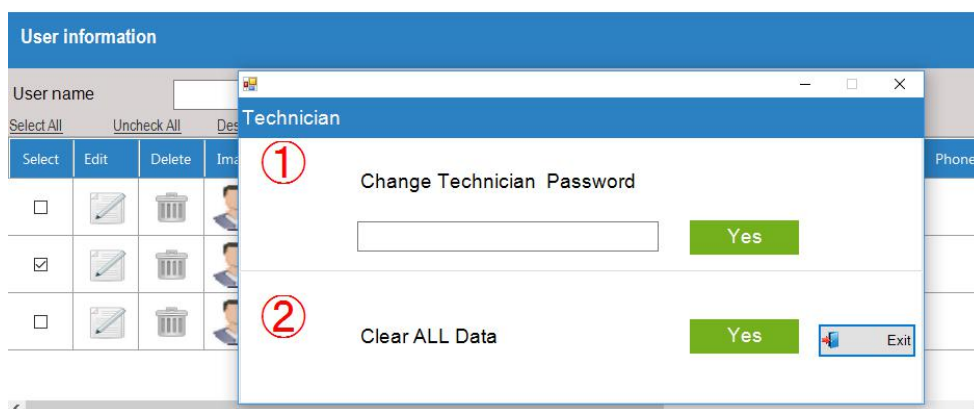
then click  key, click “yes” to confirm



5.11.3.3. Technician Settings

It's allows to configuring Labeling Scale's (SW15 Application) “Technician” password and deleting all data's of the scale.

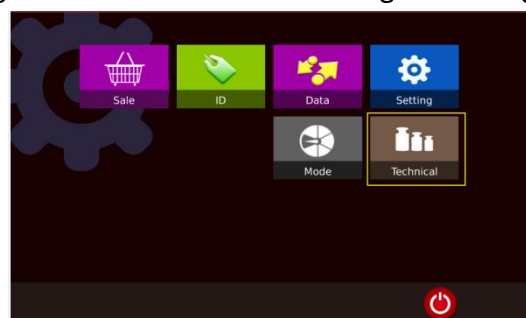
Click the  key, it will pop up a window.



- 1) **Change Technician Password:** it's allows to change the scale “Technical” settings accessing password

Labeling Scale “Technical” menu settings

Scale “Technical” Default Password is 999999999

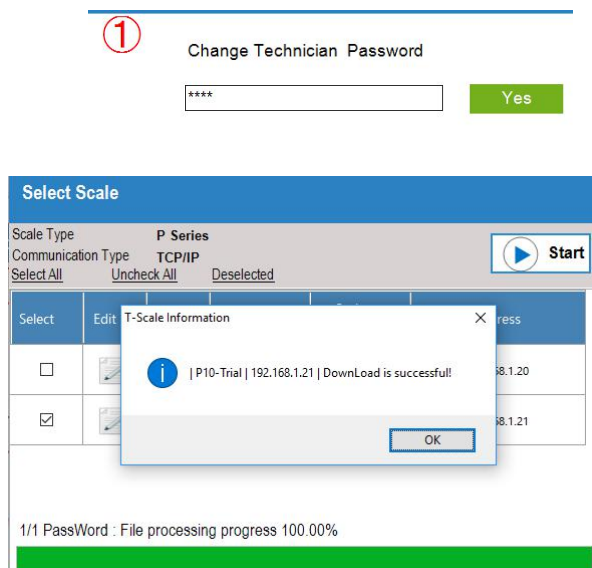


Download to the scale

a) Make sure the targeted scales are in the same network as your windows machine.

b) Enter the new password and click  key, a list of available scale devices will pop up.

c) Select the targeted scales, and press . The password will now be downloaded.



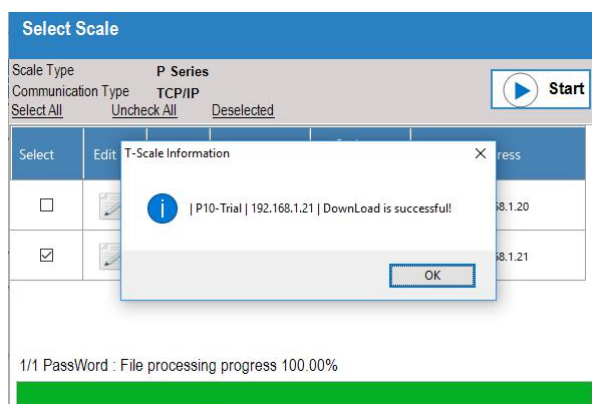
2) **Clear All data:** it's allows to Clear all data from the scale

Note: Please do the operation very carefully. Once clear all data, it will not recover back.

a) Make sure the targeted scales are in the same network as your windows machine.

b) Enter the new password and click  key, a list of available scale devices will pop up.

c) Select the targeted scales, and press . It will clear data's from the scale.



5.11.3.4. Change Password

It allows the user to configure TTC back office software “Technician” password.

Click the change password option for changing current user ID “tech” password.

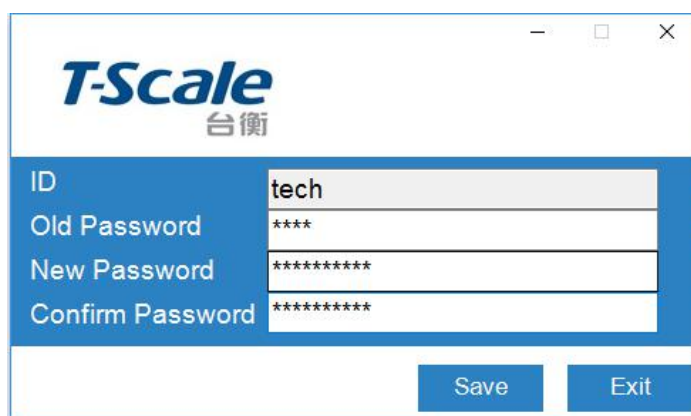


Password setting window will be pop up.

Default user ID: tech

Default password (Old password): tech

Enter new password and follow to input again new password into the “confirm password” field, then click  key to confirm



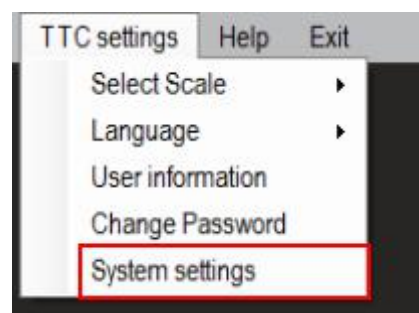
The image shows a window titled "T-Scale" with the logo "台衡". It contains a form with the following fields:

ID	tech
Old Password	****
New Password	*****
Confirm Password	*****

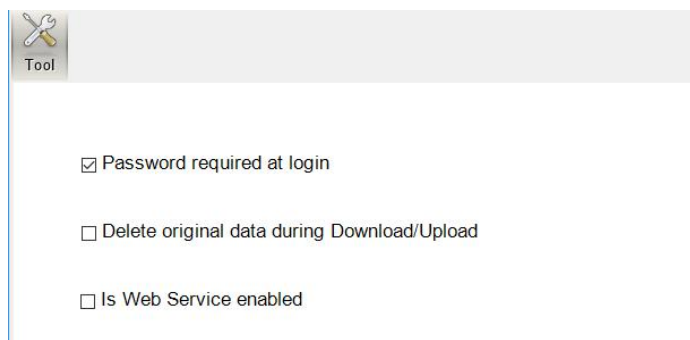
At the bottom right, there are two buttons: "Save" and "Exit".

5.11.3.5. System Settings

It allows the user to configure TTC back office software operation settings.



Click the “system settings” option for settings back office software operations, setting window will be pop up



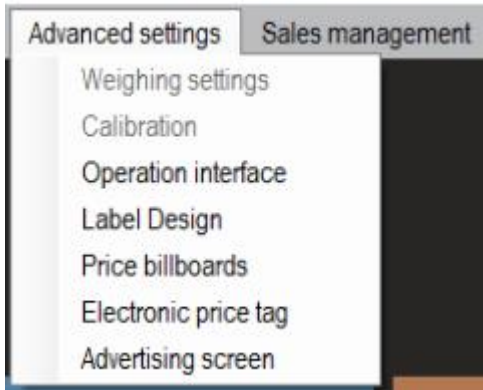
The image shows a window titled "Tool" with a list of settings:

- ☒ Password required at login
- ☐ Delete original data during Download/Upload
- ☐ Is Web Service enabled

- 1) **Password required at login:** it's allows to save TTC user for login, by clicking  check box, it's allows to save current username and password for next TTC back office software login
- 2) **Delete original data during Download/Upload:** it's allows to delete original scale data while downloading new data.
- 3) **Is Web Service enabled:** it's allows to enable a new database for connecting to web service/cloud (Beta version).

5.12. Advanced Settings

It allows the user to manage the advance functions such as advertising screen (customer display) , Price Bill Boards (M-Box), Electronic Price Tag (ESL) etc.



Operational Interface: For configuring user interface

Label Design: for configuring label formats

Price billboards: For configuring M-Box (Beta version)

Electronic price tag: For configuring ESL (Beta version)

Advertising Screen: for configuring scale's customer display

5.12.1. Operational Interface

Refer section 5.6. Operation Interface

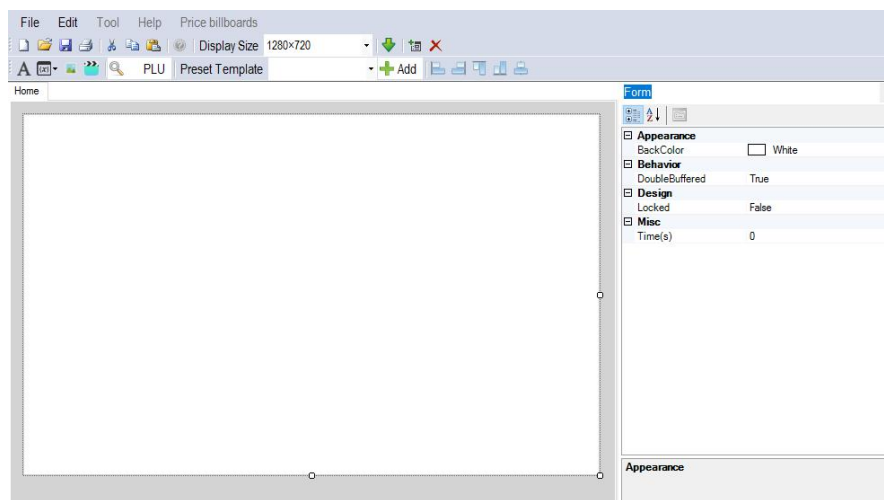
5.12.2. Label Design

Refer section 5.5. Label design

5.12.3. Price Bill Boards (Beta)

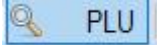
Price Bill Boards allows the user to design a bill board from the back office software and transfer to

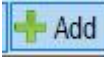
the M-Box. Price Bill Boards window can be opened by clicking the  icon in the main menu or choose from the tool bar, selecting “Advanced Settings” -> “Price Bill Boards”



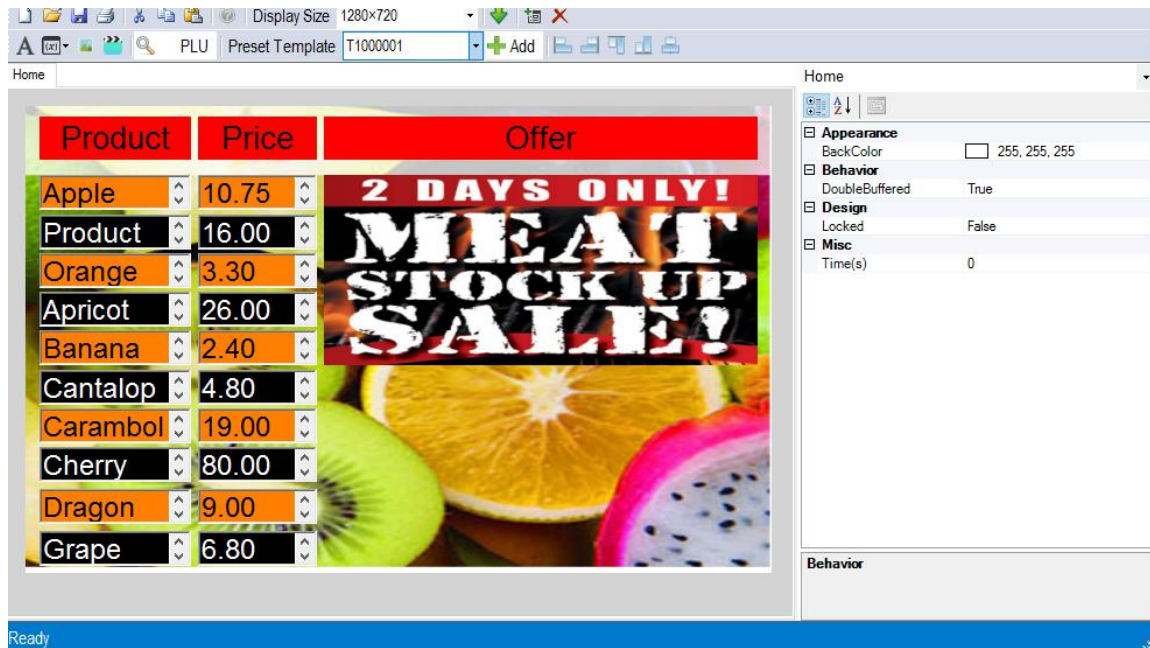
The UI Design template allows choosing from the “Display Size” tab drop down, 800 x 640 ~ 2048 x 1536 pixels. The HDMI TV will match identically to UI designed with TTC.

5.12.3.1 Button instruction

Icon	Description
	These icons are windows' default. Use these to create new UI Design, open an existing UI Design with .ui file extension, or save the UI Design.
Display Size 1280x800	This field allows choosing the display resolution from the drop down list.
	The add button is used to add a new page
	The delete button is used to delete current page
	The download button is used to transfer the UI design to the scales. Once the UI design is saved, it can be transferred to any existing and connected scales. Once the UI is transferred to the scale, it will automatically be applied to the sales screen. Then click start to continue the transfer process.
	Text Component. The UI will display the inserted text field. The text can be set in the properties section.
	The variable button is used to choose the variable from the drop down list
	Image Component. The UI will display the image added onto the UI design. The image can be set in the properties section. The image format must have a .png file extension.
	Video Component. The UI will play the video added onto the UI design. The video can be set in the properties section. The video format must have a .mp4 file extension.
	PLU/Product Component. By selecting a product, the product icon will be added onto the UI. Note that the product must be inserted into the back office's database using the “PLU Information.”

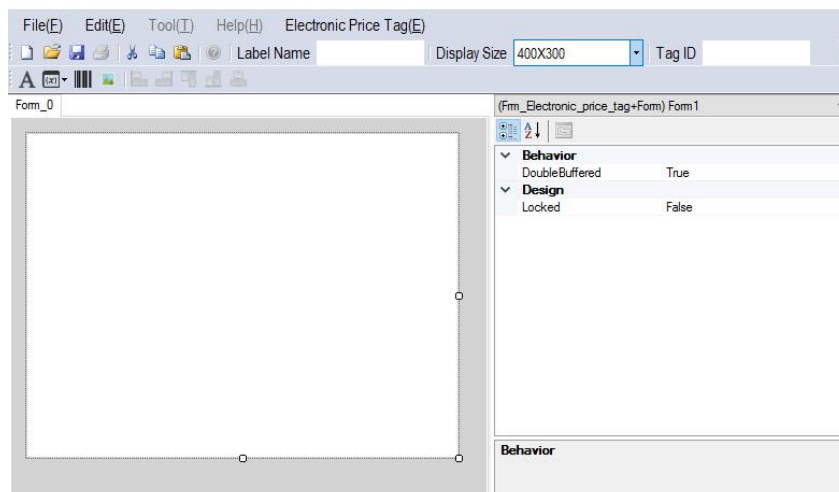
Preset Template T10	Template Component. Existing/ Pre-Programmed UI allows to choose from the drop down list
	Add Key, selected template from the template component drop down list will be added into the editing area.

Refer section “5.6. Operation interface” for Bill boards interface adding/editing operation.



5.12.4. Electronic Price Tag (Beta)

Electronic Price Tag allows the user to design a ESL from the back office software and transfer to the device.



5.12.5. Advertising Screen (Customer Display)

Advertising screen allows the user to configure customer display for promotion images, videos, and scrolling messages.

1) Slogan Setting 1 ~ 6: For adding scoring messages

2) Advertising Window Mode: For choosing mode of the customer display operation for advertisements or product image.

For Advertisement: Display will be play advertising images/videos from the slides.

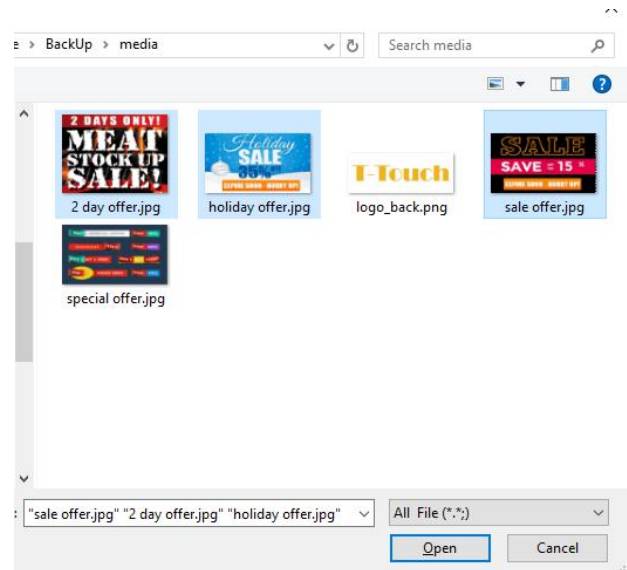
For Product Image: Display will be show product information according to the selected product and product database.

3) Advertising Speed: For playing images speed

4) Slides: For choosing the images and videos for playing

Click the “Blouse” option for choosing the files from the computer

Note: The image need to be stored in a folder named “media”, that could be easier to manage.



Then click open key to add

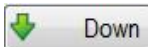
images: must be in “.jpeg, .jpg, .png” file extension

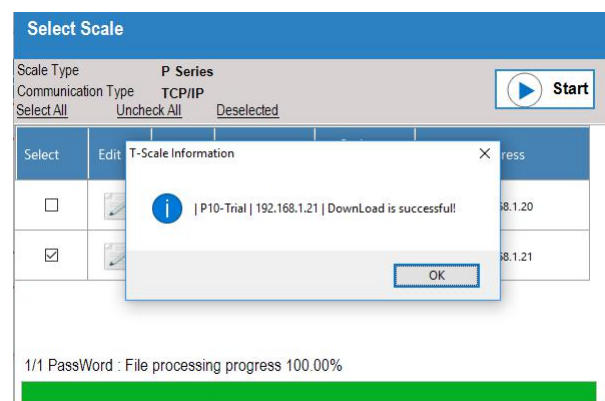
Videos: must be in “.mp4, file extension

Note: bigger files may affect the scale memory.

5) Logo: for choosing customer display logo



Click the  button to transfer, then click  key to start data transfer





T-Scale was founded in Taiwan in 1967 as Taiwan Scale Mfg Co., Ltd. The pioneer of mechanical scales manufacturer in Taiwan. Today, this privately owned company is recognized worldwide as a leading Electronic Weighing Scale Manufacturer. The core business of T-Scale is the development, manufacture, worldwide sales/marketing and OEM/ODM partner of the worlds prominent electronic weighing instruments.

Our product line includes

- Medical Scale
- Precision Balance
- Price Computing Scale
- Counting Scale
- Weighing Scale
- Weighing Indicator
- Platform Scale
- Floor Scale / Pallet Truck Scale
- Crane Scales
- Accessories
- Software

T Scale has its manufacturing base in Kunshan, China. We are ISO 9001 certified company, OEM-ODM partner, products certified by OIML, NTEP & CE.

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Tel : +86 512 57067900 / 57669080

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