

Hanshow Electronic Shelf Label (ESL) Store Management Software Instructions

Version : V1.0

History

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Chapter One Software Operation

1.1 Binding of ESL and Goods

1.1.1 Basic Information

Before binding the ESL and goods, it is necessary to complete basic information of goods and ESL, followed by categorizing. Binding is the final step.

1.1.2 Add Supplementary Basic Information

1.1.2.1 Goods Categories

1.1.2.1.1 Creating Goods Categories

Open the software, and click 'System management' -- 'Category management' to enter the goods management interface. Click 'Create Goods Category' [Figure 1 Red line] and put the name of category in the blank [Figure 2] in the pop up window then click 'Yes' to finish the process. The new category will be displayed in the goods category list afterwards.

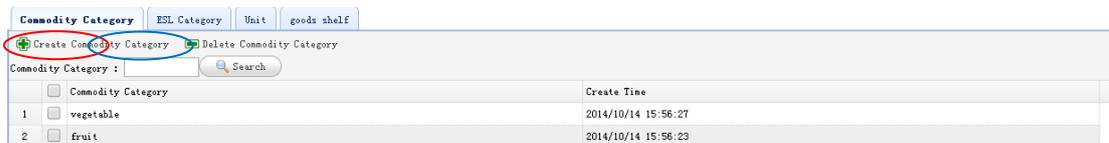


Figure 1



Figure 2

1.1.2.1.2 Delete Goods Category

Choose one category that needs to be deleted and click 'delete goods category' button [Figure 1 Blue line]. Click 'Done/Yes' in the pop up window to finish [Figure 3]. This category will be deleted then.



Figure 3

1.1.2.2 Goods Management

Open the software. Click 'Goods Management' -- 'XXX(Goods Category)' to enter interface showed in [Figure 4]. Creating, modifying, deleting, searching goods is available here.

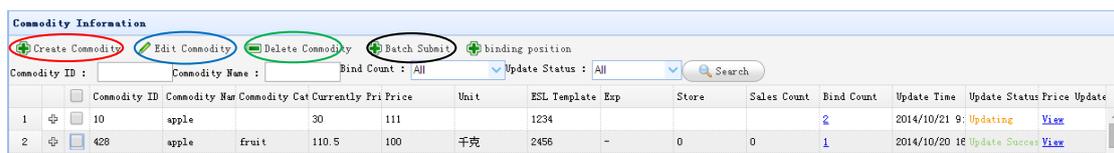


Figure 4

1.1.2.2.1 Creating Goods

Click 'Create Goods' in [Figure 4 Red line]. In the pop up window [Figure 5] type in the goods basic information and click 'Yes' to finish. Note that boxes marked with * must be filled in. The new goods information will display afterwards.

Create Commodity

Commodity Information

ID:	<input type="text"/>	*	Name:	<input type="text"/>	*
Category:	<input type="text"/>		QR Code:	<input type="text"/>	
CurrentlyPrice:	<input type="text"/>	*	This field is required.		
Price:	<input type="text"/>		Cost Price:	<input type="text"/>	
Unit:	<input type="text"/>		Origin:	<input type="text"/>	
2-year:	<input type="text"/>		1-year:	<input type="text"/>	
Exhibition:	<input type="text"/>		3-year:	<input type="text"/>	
Prototype:	<input type="text"/>		Specifications:	<input type="text"/>	
Arrow:	<input type="text"/>		Member:	<input type="text"/>	
Template:	<input type="text"/>		Grade:	<input type="text"/>	
Promotion Start:	<input type="text"/>		Promotion End:	<input type="text"/>	

Ok Cancel

Figure 5

1.1.2.2.2 Modifying Goods

Select an item and click the 'Modify Goods' [Figure 4 Blue Line]. In the pop up window

[Figure 6] change the information and click 'Yes'.

Create Commodity

Commodity Information

ID:	<input type="text" value="29822"/>	*	Name:	<input type="text" value="apple"/>	*
Category:	<input type="text"/>		QR Code:	<input type="text"/>	
CurrentlyPrice:	<input type="text" value="8.60"/>	*	Vip Price:	<input type="text"/>	
Price:	<input type="text" value="8.60"/>		Cost Price:	<input type="text"/>	
Unit:	<input type="text"/>		Origin:	<input type="text"/>	
2-year:	<input type="text"/>		1-year:	<input type="text"/>	
Exhibition:	<input type="text"/>		3-year:	<input type="text"/>	
Prototype:	<input type="text"/>		Specifications:	<input type="text"/>	
Arrow:	<input type="text"/>		Member:	<input type="text"/>	
Template:	<input type="text"/>		Grade:	<input type="text"/>	
Promotion Start:	<input type="text"/>		Promotion End:	<input type="text"/>	

Ok Cancel

Figure 6

1.1.2.2.3 Deleting Goods

Select an item and click the 'Delete Goods' [Figure 4 Green Line]. In the pop up window

[Figure 6] click 'Yes'. The goods information will be removed from the list.

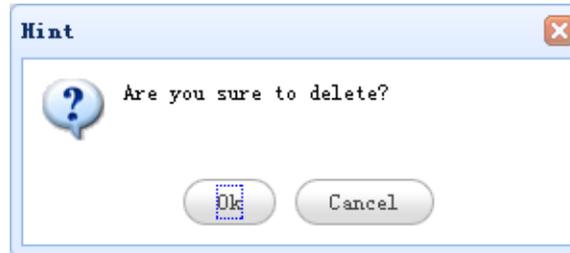


Figure 7

1.1.2.2.4 Batch Processing

After changing the information of goods in [Figure 6] click 'Add to the Batch List'. This modification will be added to the updating list. Click the 'Batch Processing' [Figure 4 Black Line] and a window pops up [Figure 8]. Here, select items that need to be updated and click 'Submit' [Red line]. If the process is successfully done, it will show at the right-bottom corner [Figure 9]. Click 'Delete' [Blue Line] to remove the item from batch processing list.

Note that this operation will not delete the goods information.

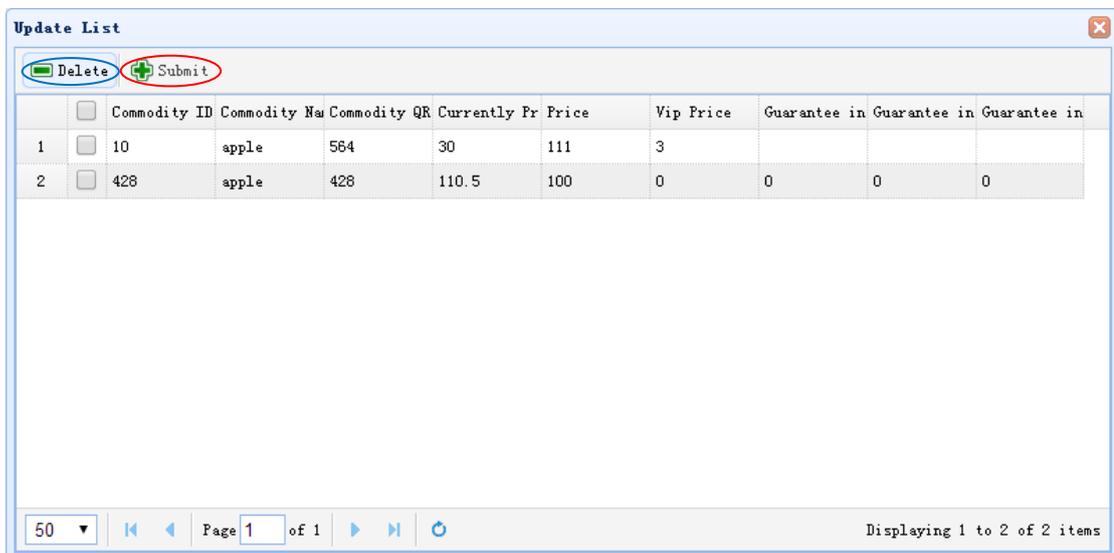


Figure 8

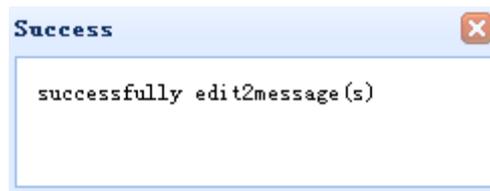


Figure 9

1.1.3 Add Supplementary ESL Information

1.1.3.1 ESL Category

1.1.3.1.1 Creating ESL Category

Open the software. Click 'System management' -- 'Category management' and select ESL Category. Click 'Create Goods Category' [Figure 10 Red line] and put the name of category in the blank [Figure 11] in the pop up window then click 'Yes' to finish the process. The new category will be displayed in the goods category list afterwards.



Figure 10



Figure 11

1.1.3.1.2 Deleting ESL Category

Choose one category that needs to be deleted and click 'delete ESL category' button [Figure 10 Blue line]. Click 'Yes' in the pop up window to finish [Figure 12]. This category will be deleted then.

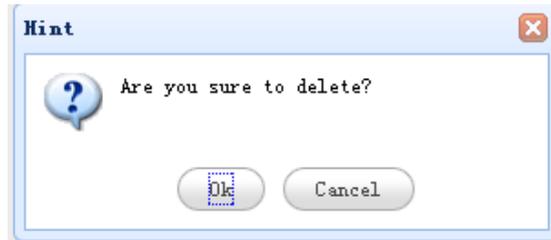


Figure 12

1.1.3.2 ESL Management

Open the software. Click 'ESL Management' – 'XXX (ESL Category)' and enter [Figure 13] interface. Here the category, ESL ID, battery lifetime, product type and connected goods ID will be displayed.

ESL Information							
Delete ESL Edit ESL Category binding position							
ESL ID : Search							
	ESL Category	ESL ID	ESL Power	ESL Type	Last Communication Time	Create Time	Commodity ID
1	<input checked="" type="checkbox"/> HS_EL_5032	53-76-27-99	Normal	HS_EL_5032	2014/10/20 16:22:1	2014/10/10 13:57:55	428
2	<input type="checkbox"/> HS_EL_5032	5A-16-7A-99	Low	HS_EL_5102	2014/10/20 16:6:13	2014/10/16 18:11:47	10
3	<input type="checkbox"/> HS_EL_5032	59-22-07-99	Low	HS_EL_5102	2014/10/20 16:6:13	2014/10/10 8:49:5	10

Figure 13

1.1.3.2.1 Deleting ESL

Choose one category that needs to be deleted and click 'delete ESL' button [Figure 14]. Click 'Yes' in the pop up window to finish [Figure 14]. This category will be deleted then.



Figure 14

1.1.3.1.3 Modifying ESL Category

Select one or multiple ESL information and click 'Modify ESL Category'. In the window

[Figure 15], locate the ESL category in drop-down list and click 'Yes'.

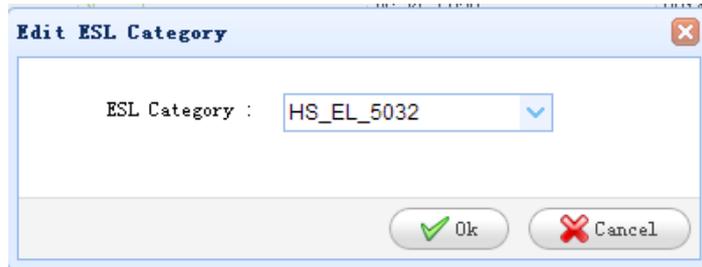
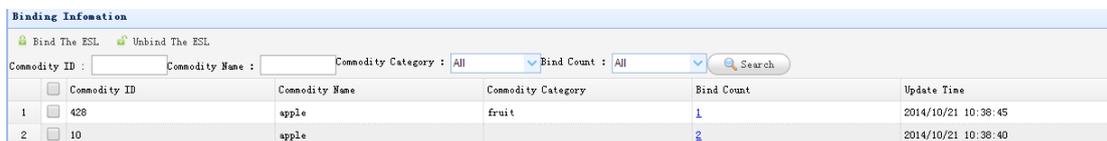


Figure 15

1.1.4 Binding and Unbinding after Supplementary Information Added

Open the software. Choose 'Binding Management' – 'Binding Information' to enter interface [Figure 16].



Commodity ID	Commodity Name	Commodity Category	Bind Count	Update Time
1	428	apple	1	2014/10/21 10:38:45
2	10	apple	2	2014/10/21 10:38:40

Figure 16

1.1.4.1 ESL Binding

Select goods and click 'ESL Binding'. Type in the ESL ID in pop up window [Figure 17] and select base station then 'Yes' to complete the process. Note that ONLY one product can be chosen to bind ESL. After the binding, price information will update automatically.

If the goods is connected to multiple ESL, the binding status will show respective number.

In the mean time, goods management will also synchronize with this operation.

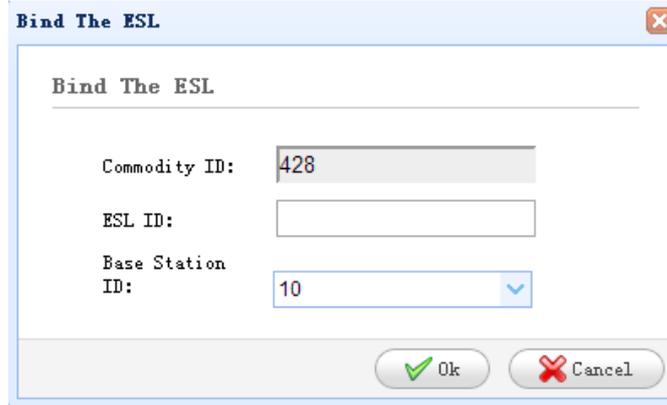


Figure 17

1.1.4.2 ESL Unbinding

Select goods and click 'Unbinding ESL' to disconnect. When more than one item is chosen, window [Figure 18] will show. Click 'Yes' to unbind all of the selected items. If there is only one item window [Figure 19] will pop up, displaying all the ESLs that are bind with this item. Choose the ESL that needs to be disconnect (can be multiple), then click 'Unbind'. Click 'Yes' in window [Figure 20].

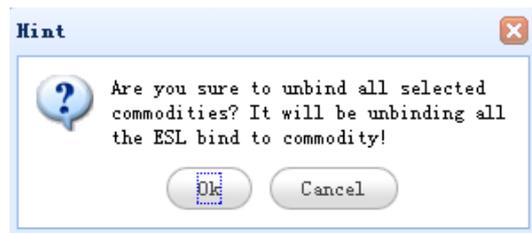


Figure 18

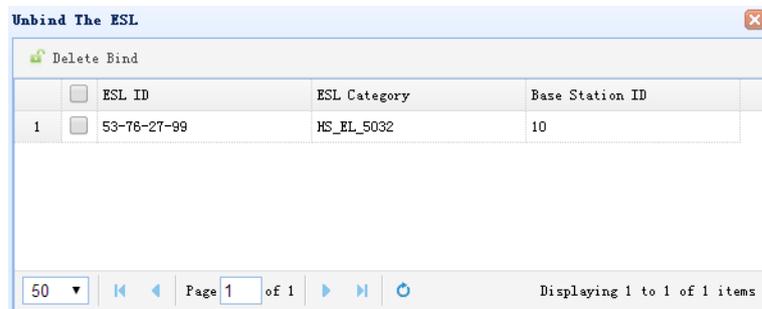


Figure 19

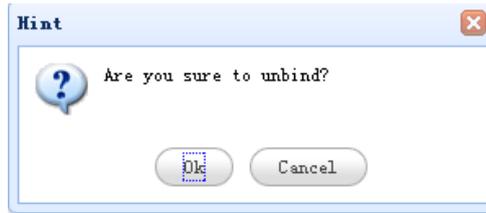


Figure 20

1.1.5 Goods Price Update

After binding ESL and goods, price information will be automatically updated. Modifying goods information will also be synchronized on the ESL. Price modification methods please refer to 2.1.2.2.2. There is a statue bar displaying New →Updating→Failed/Success in item list in goods management. After successfully update the price, click ‘System management’ – ‘Goods Price Updating information’ to enter [Figure 21] to check the records. Click ‘Process Instant ID’ to check the batch updating information [Figure 22]. Price updating will fail once ESL low battery is detected. On this condition, battery life in ESL management will display ‘Low Battery’ otherwise is will indicate that everything is OK.

Commodity Price Update Information				
Batch : <input type="text"/> <input type="button" value="Search"/>				
Batch	Update Count	Update Result	Send Time	
1	2014102016213820913	1	53-76-27-99;	2014/10/20 16:22:1
2	2014102016205741413	1	53-76-27-99;	2014/10/20 16:21:21
3	2014102016103126713	1	53-76-27-99;	2014/10/20 16:10:51
4	2014102016091314415	1	53-76-27-99;	2014/10/20 16:9:51
5	2014102016081665615	1	53-76-27-99;	2014/10/20 16:8:45
6	2014102016064312015	1	53-76-27-99;	2014/10/20 16:7:57
7	2014102016055889715	1	59-22-07-99;5A-16-7A-99;	2014/10/20 16:6:13
8	2014102016053908815	1	59-22-07-99;5A-16-7A-99;	2014/10/20 16:5:53
9	2014102016024758415	1	59-22-07-99;5A-16-7A-99;	2014/10/20 16:2:57

Figure 21

Update record of commodity prices					
	Commodity ID	Commodity Name	Currently Price	Commodity Categor	Update Result
1	428	apple	55.25	fruit	Success

1.2 User Management

Open software. Click 'User Management' – 'User Information' and enter user management interface. It is mainly used to manage users. To create, modify, delete users and change the user authorizations and search by specific requirements. [Figure 23]



Figure 23

1.2.1 Creating Users

Click 'Create Users' and sees [Figure 24], note that red * is required. Type in the user name and password and select the user authorizations then click 'Yes' to finish. Once success, it will shows at right-bottom corner. New user will displays in the user list.



Figure 24

1.2.2 Modifying Users

Select 'Modify Users' button. [Figure 25] pops up, note that user name cannot be changed. Password and user authorizations can be changed. Click 'Yes' to finish and at

right-bottom corner will indicates it has been successful.

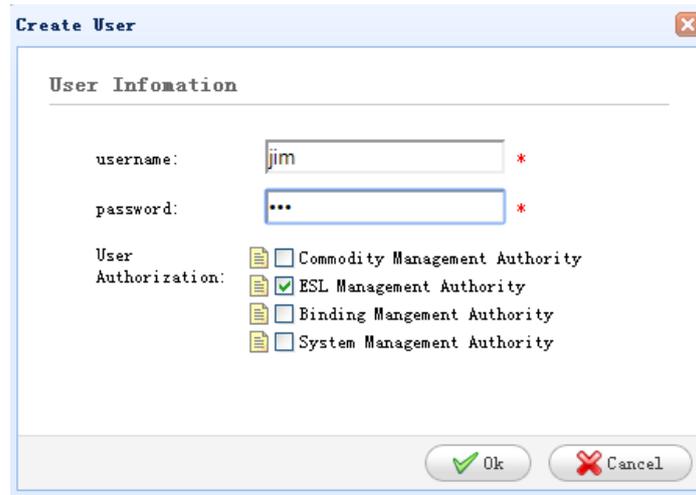


Figure 25

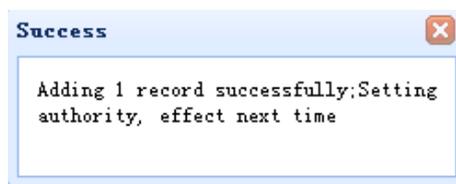


Figure 26

1.2.3 Deleting Users

Select user information, click 'Delete User' and in the [Figure 27] window, click 'Yes'.

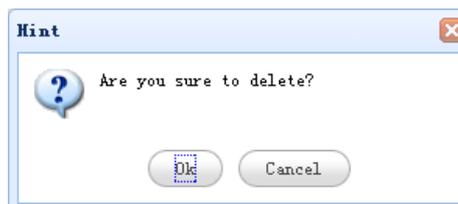


Figure 27

1.3 System Management

1.3.1 Base Station Information

Click 'System Management' – 'Base Station Information' to enter the base station management interface [Figure 28]. Every base station heartbeat will automatically update base station information. If there are no records, a new base station data will be inserted.

Base station information can be monitored. Searching base station according to its ID is

also capable and deleting operation is also supported.



Base Station ID	AP Area	Base Station Status	Last Communication Time	Create Time
1	10	Online	2014/10/20 16:45:39	2014/9/26 9:10:39

Figure 28

1.3.1.1 Deleting Base Station

Select one base station information, click 'Delete Base Station' and choose 'Yes' in the following window. [Figure 29]

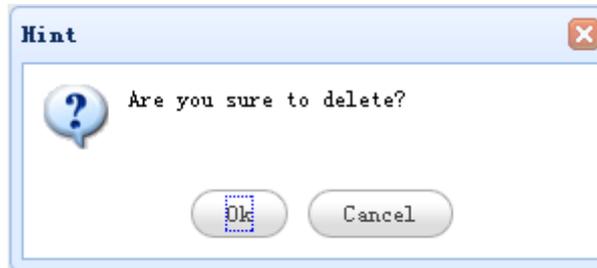


Figure 29

1.3.2 Category Management

1.3.2.1 Goods Category

Please refer to 2.1.2.1

1.3.2.2 ESL Category

Please refer to 2.1.3.1

1.3.2.3 Units

1.3.2.3.1 Creating Units

Open the software. Click the 'System Management' – 'Category Management', choose

'Unit' and click 'Create Units' button [Figure 30]. Put in the unit name in pop up window [Figure 31 Red Line] in the blank 'Unit Name' and choose 'Yes'. New unit will be displayed in the unit list afterwards.



Figure 30



Figure 31

1.3.2.3.2 Deleting Units

Select one unit information in the list, click the 'Delete Unit' showed in [Figure 30 Blue Line] and choose 'Yes' in following window. This unit will then be deleted.

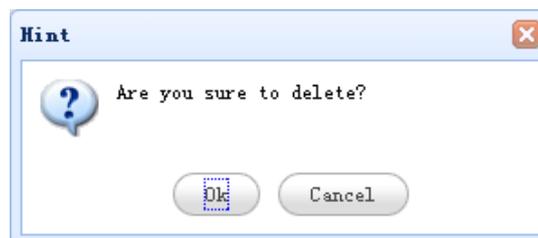


Figure 32

1.3.3 Summary Information

Open the software. Click 'System management' – 'Summary Information' to enter [Figure 33] interface. Goods information and ESL information summary can be seen here. Goods

information summary contains total number of items under certain goods category. ESL

information summary contains the total number of ESLs under certain ESL category.

Commodity Information		ESL Information
Category	Commodity Totals	
1	-	1940
2	fruit	25
3	vegetable	35

Figure 33