



EPSON Food Freshness Label Application for TM-L90plus-i LFC

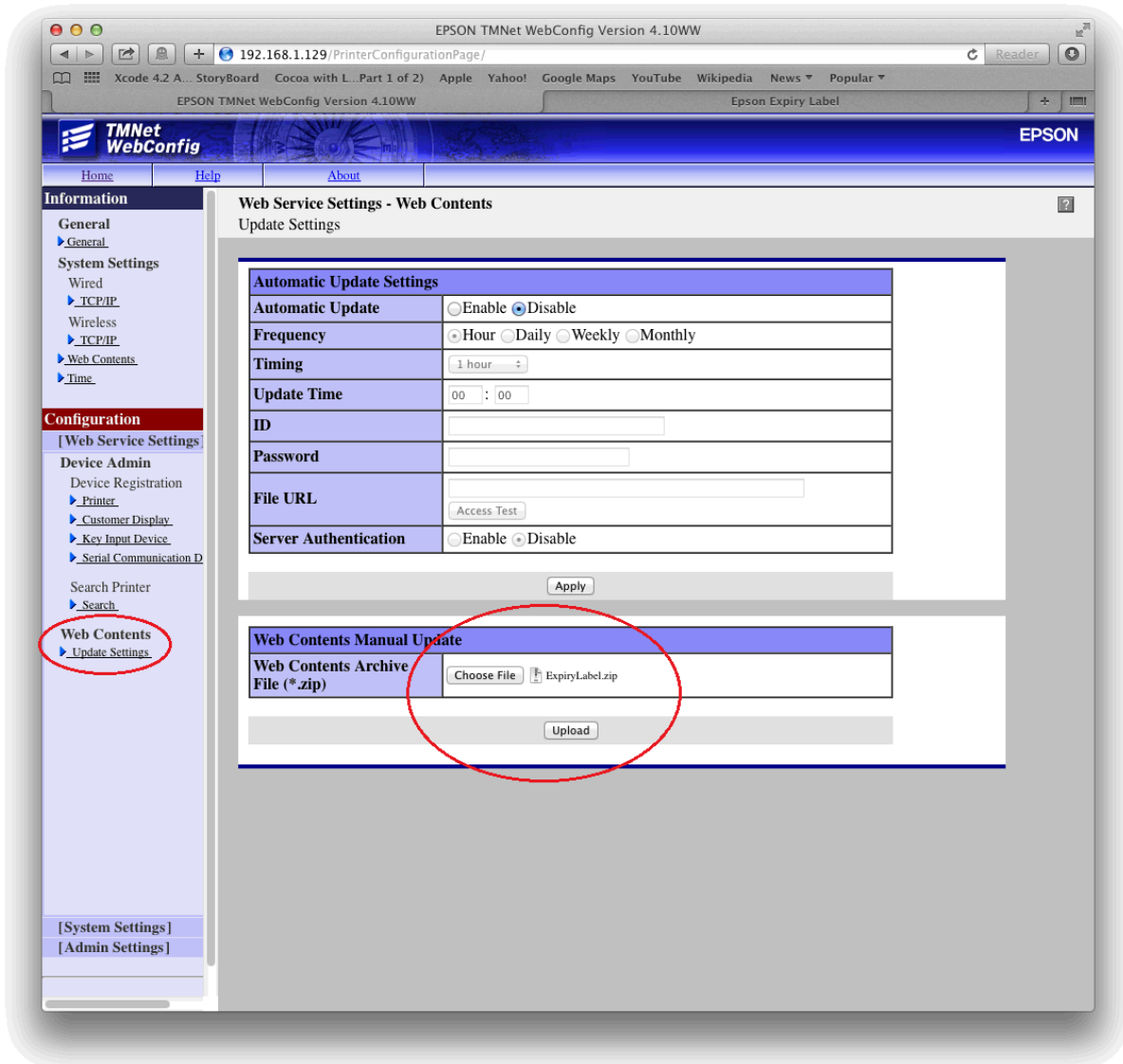
Guide

Rev. 1.5

1. Installation

The web app comes as a zip file that needs to be installed on the Epson TM-i printer. The following procedure lists the necessary steps:

- 1) Open a web browser from a device that is on the same network as the printer.
- 2) Type in the printer's IP address in the browser followed by "/webconfig", for example, if the printer's IP address is 192.168.1.129, enter "192.168.1.129/PrinterConfigurationPage". Enter user name "epson" and password "epson". The printer configuration page will show.
- 3) On the left menu, all the way down, click on "Update Settings" under "Web Contents" This will open the following page:



- 4) Under "Web Contents Manual Update" click on "Choose File" and select the *ExpiryLabel.zip* file.
- 5) Click "Upload", when it is done, click "Back".

6) In your browser type in just the IP address of the printer. If everything worked, it will show the web app, similar to this:

The screenshot shows the EPSON Food Freshness Label Application web interface. The header features the EPSON logo with the tagline "EXCEED YOUR VISION" and the title "Food Freshness Label Application". To the right of the title are three icons: a printer, a refresh button, and a settings gear.

The main content area is divided into several sections:

- Product Name:** A search input field with the placeholder text "Search for a product..." and a close button (X). Below it is a dropdown menu with a checkmark icon, listing various protein products: "Protein - 9 oz Steaks", "Protein - 8 oz Steaks - Pre Panned", "Protein - Anchovies", "Protein - Bacon - Chopped", "Protein - Bacon - Chopped Twice Cooked", "Protein - Bacon - Strips", "Protein - Brute Meat - Pre Portion", "Protein - Burger Patties (Cooked)", and "Protein - Calamari (Thawed/ Portioned)".
- Discard Date:** A text input field containing "2016-10-28 13:03".
- Made Date:** A text input field containing "2016-10-28 13:03".
- Ready Date:** A text input field containing "2016-10-28 13:03".
- Employee Name:** A dropdown menu with the placeholder text "Please select a name...".
- Manager on Duty:** A dropdown menu with the placeholder text "Please select a name...".
- Number of labels:** A numeric input field containing the value "1".

The footer contains the EPSON logo on the left, the website "pos.epson.com" in the center, and the copyright notice "© 2016 Ver.1.20 - EPSON America Inc." on the right.

2. Usage



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Food Freshness Label Application

Product Name:

Search for a product...

- Protein - 9 oz Steaks
- Protein - 8 oz Steaks - Pre Panned
- Protein - Anchovies
- Protein - Bacon - Chopped
- Protein - Bacon - Chopped Twice Cooked
- Protein - Bacon - Strips
- Protein - Brute Meat - Pre Portion
- Protein - Burger Patties (Cooked)
- Protein - Calamari (Thawed/ Portioned)

Employee Name:

Please select a name...

Manager on Duty:

Please select a name...

Discard Date:

2016-10-28 13:03

Made Date:

2016-10-28 13:03

Ready Date:

2016-10-28 13:03

Number of labels:

1

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Standard usage:

- (1) Select a product from the product list. For ease of use, any part of the product name can be entered in the search box. Only products that have these letters in their names are then shown.
- (2) Select an employee name.
- (3) Click the print button (1). A MRD label will be printed with the current date and time as it's Made and Ready date. The Discard date will be calculated using the Ready date and the individual product life span that is stored in the product list.

Changing the Made or Ready date:

If required, the Made and/or Ready date can be changed. To do this, just click in the date box to change the numbers. **Note:** If a Made date is modified, the Ready date will automatically be set to the same date. However, it can then be changed manually as well if desired.

To set the current date and time again, click the Reload button (2).

3. Modifying Data

In order to modify data, click the Settings button (3).

The product list and the employee list are stored on the web server in separate CSV (comma separated values) files. This way any accessing device will get the same up-to-date data. This also makes any update or backup easy. The CSV format can easily be exported from MS Excel.

There are two CSV files, one for products and one for employees. They have a one-line header with the column names (for readability) and the column order is fixed as described below.

ProductList.csv

Id	incremental index (integer)
Product	product name (string with max 255 characters)
LifeSpanMonths	product life span months (integer)
LifeSpanDays	product life span days (integer)
LifeSpanHours	product life span hours (integer)
LifeSpanMinutes	product life span minutes (integer)
LifeSpanEndOfDay	product life span till the end of the current day ("Y" or "N")

Example:

```
id,fieldProduct,fieldProductLifeSpanMonths,fieldProductLifeSpanDays,fieldProductLifeSpanHours,fieldProductLifeSpanMinutes,fieldProductLifeSpanEndOfDay
1,Sauce - Cheddar Cheese,0,0,0,0,Y
2,Sauce - Creamy Alfredo,0,0,0,0,Y
3,Sauce - Ricotta Parmesan,0,0,0,0,Y
4,Sauce - Pesto Marinara,0,0,0,0,Y
5,Pizza Crust - Stuffed,0,0,5,0,N
6,Pizza Crust - Multi Grain,0,0,5,0,N
7,Pizza Crust - Thin,0,0,5,0,N
8,Dressing - Caesar,0,0,0,0,Y
9,Dressing - Greek,0,0,0,0,Y
10,Dressing - Italian,0,0,0,0,Y
11,Dressing - Spinach,0,0,0,0,Y
12,Dressing - Ranch,0,0,0,0,Y
13,Dressing - French,0,0,0,0,Y
14,Seasoning Shaker - Bread Stick,0,0,24,0,N
15,Seasoning Shaker - Parmesan Parsley,0,0,24,0,N
```

Please note: that if the product name includes a comma, the whole name must be enclosed in double quotes. Example:

Incorrect: 5,Pizza Crust, Stuffed,0,0,5,0,N

Correct: 5,"Pizza Crust, Stuffed",0,0,5,0,N

EmployeeList.csv

Id	incremental index (integer)
fieldEmployee	employee name (string with max 255 characters)

Example:

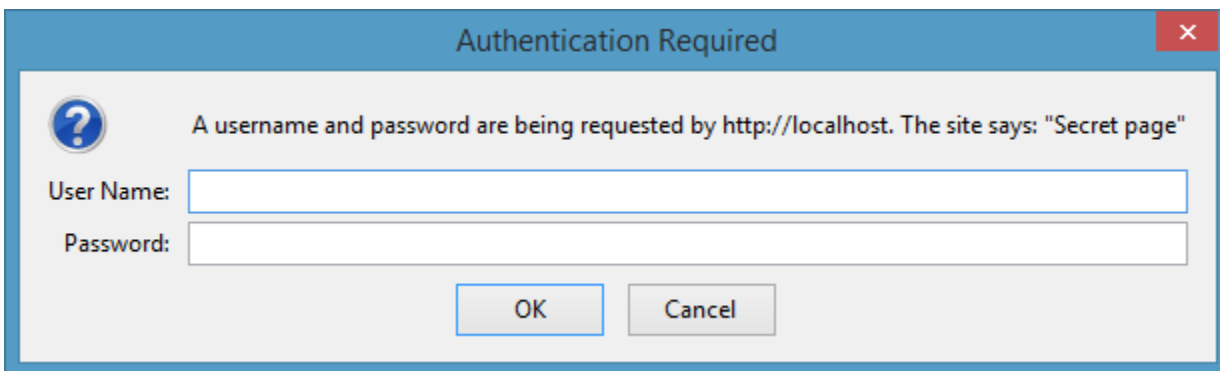
```
id,fieldEmployee
1,Joe
2,Ken
3,Alex
4,Jane
5,Sarah
6,John
```

Please note: that if the employee name includes a comma, the whole name must be enclosed in double quotes. Example:

Incorrect: 3,Cramer, Alex

Correct: 3,"Cramer, Alex"

Click the Settings button (3) on the screen to modify these file. User name and password are required:



The image shows a standard Windows-style dialog box titled "Authentication Required". It has a blue header bar with a red close button (X) in the top right corner. The main content area has a light gray background and contains a question mark icon on the left. To the right of the icon is the text: "A username and password are being requested by http://localhost. The site says: 'Secret page'". Below this text are two input fields: "User Name:" followed by a text box, and "Password:" followed by a text box. At the bottom of the dialog are two buttons: "OK" and "Cancel".

Default user name and password are "epson". Once logged in correctly, the user name and password will not be asked again until the browser is closed.

Both account and password can be changed.

If the entered account and password are correct, the below menu will be shown:



(1) Exit button, return to the main MRD page.

Change Account Setting:

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Food Freshness Label Application Settings

new username

new password

confirm new password




Save

Input new username and input new password twice, then save.

(1) Return to menu.

(2) Return to main page.

Add/Edit product

**Food Freshness Label Application Settings**

Select here if you need to modify existing product

New Product Name

LifeSpanEndOfDay-Yes

Life Span Months

Life Span Days

Life Span Hours

Life Span Minutes

id	Product	LifeSpanMonths	LifeSpanDays	LifeSpanHours	LifeSpanMinutes	LifeSpanEndOfDay
1	Sauce - Creamy Alfredo	0	0	0	0	Y
2	Sauce - Ricotta Parmesan	0	0	0	0	Y

If an existing product needs to be edited, select it from the top drop down list. The “Add” button will change to “Modify”.

Input a New Product Name and enter the product life span. If End Of Day is set to Yes, no other field (months, Days...) need to be input. If it’s set to No, Months, Days, Hours and Minutes need to be entered.

Delete product

EPSON[®] Food Freshness Label Application
EXCEED YOUR VISION Settings

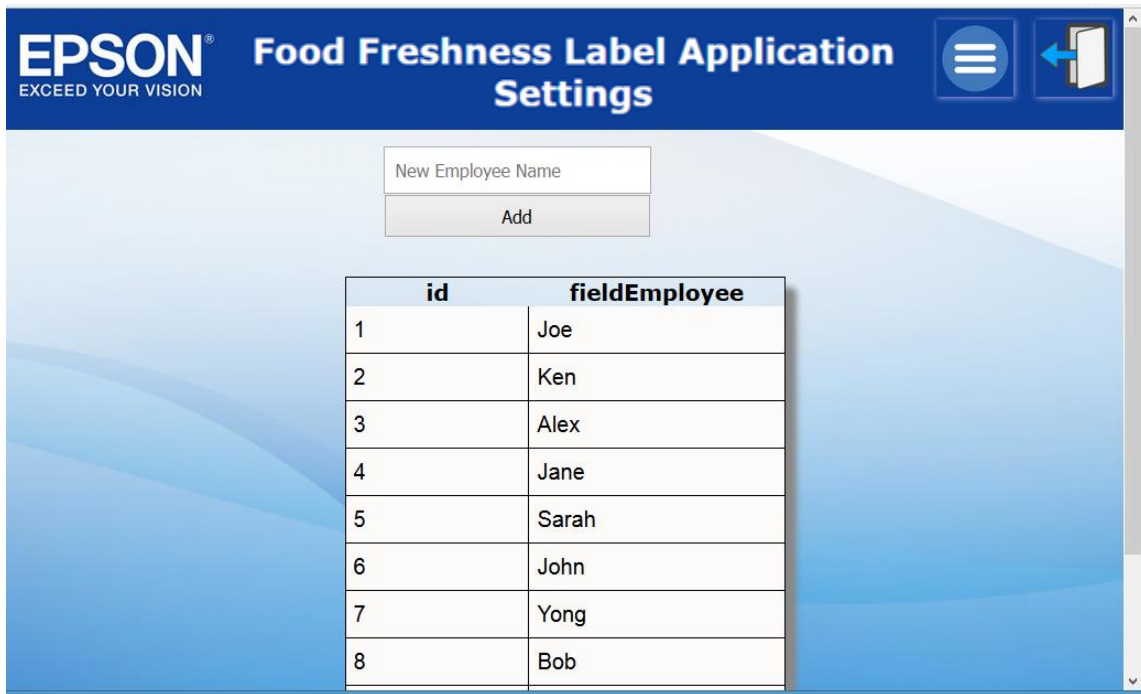
id	Product	LifeSpanMonths	LifeSpanMinutes	LifeSpanEndOfDay
1	Sauce - Creamy Alfredo	0	0	Y
2	Sauce - Ricotta Parmesan	0	0	Y
3	Sauce - Pesto Marinara	0	0	Y

Sauce - Creamy Alfredo ▼

- Sauce - Creamy Alfredo
- Sauce - Ricotta Parmesan
- Sauce - Pesto Marinara
- Pizza Crust - Stuffed
- Pizza Crust - Multi Grain
- Pizza Crust - Thin
- Dressing - Caesar
- Dressing - Greek
- Dressing - Italian
- Dressing - Spinach
- Dressing - Ranch
- Dressing - French
- Seasoning Shaker - Parmesan Parsley
- Pizza Pizzer
- aa3

In order to delete a product, select it from the drop down list and click delete.

Add Employee



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New Employee Name

Add

id	fieldEmployee
1	Joe
2	Ken
3	Alex
4	Jane
5	Sarah
6	John
7	Yong
8	Bob

To add a new employee, Input the employee name and click Add.

Delete Employee



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Joe

Delete

id	fieldEmployee
1	Joe
2	Ken
3	Alex
4	Jane
5	Sarah
6	John
7	Yong
8	Bob

Select the employee from the drop down list, click delete.

When finished, click the Exit button to go back to the main page. Some browsers cash the previous data and will not show the new/edited data until the page is reloaded or refreshed.

Logo upload



Click "Choose File", select .png file which will be used as logo displayed on the top left corner.



Click "Upload", the selected .png file will be shown on the top left corner.

Export csv file



Product, employee and manager CSV file can be downloaded, used can use it as a base to modify and upload back to the application.

Import CSV file



Product, employee and manager CSV file can be uploaded back to the web application, just click “Choose File” to select the CSV file, click “Upload”, application will use CSV file title (first line) to check which file it is.



Success message will be shown if the file upload is good.

Select paper size



Current paper size will be shown, other 2 paper size can be selected, click “Save” to save the option.

4. Creating the Installation Package

The Epson Expiry Label Web App is a zip file that includes all necessary files for application and data. If any part of it is modified, a new package with all files needs to be generated and uploaded.

We provide a small tools to do this, the tool includes two files:

zipall.exe

Ionic.Zip.Reduce.dll

Run zipall.exe, click “Select the folder and zip”, and select the top folder which contains all of the files.

The files will then be zipped into the file “upload.zip”. Load this zip file to the TM-I printer as described in chapter 1.

CAUTION: any upload process will completely overwrite a previous installation. Any product data modification that was done using the MRD App’s Settings page will be lost.