



Printer
Solutions

SYSTEM ADMINISTRATOR'S GUIDE



**Avery Dennison®
Monarch® FreshMarx®
9417+ Solution
Version 3.2**

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Use the Avery Dennison® Monarch® FreshMarx® 9417+ solution for product freshness and to label inventory.

You may have a custom application that differs slightly from the examples in this manual. The screens and labels shown are for reference only of the dual printer.

This revision of the manual is for FreshMarx application version 3.1 and higher. Version 3.1 includes secure file transfer protocol and in-application Wireless setup.

Audience

This manual is for the System Administrator who configures and updates the printer. For information on using the EasyEdit+ Utility, refer to the *EasyEdit+ System Administrator’s Guide*. For information on printing labels and the printer’s care and maintenance, refer to the *Operator’s Handbook*.

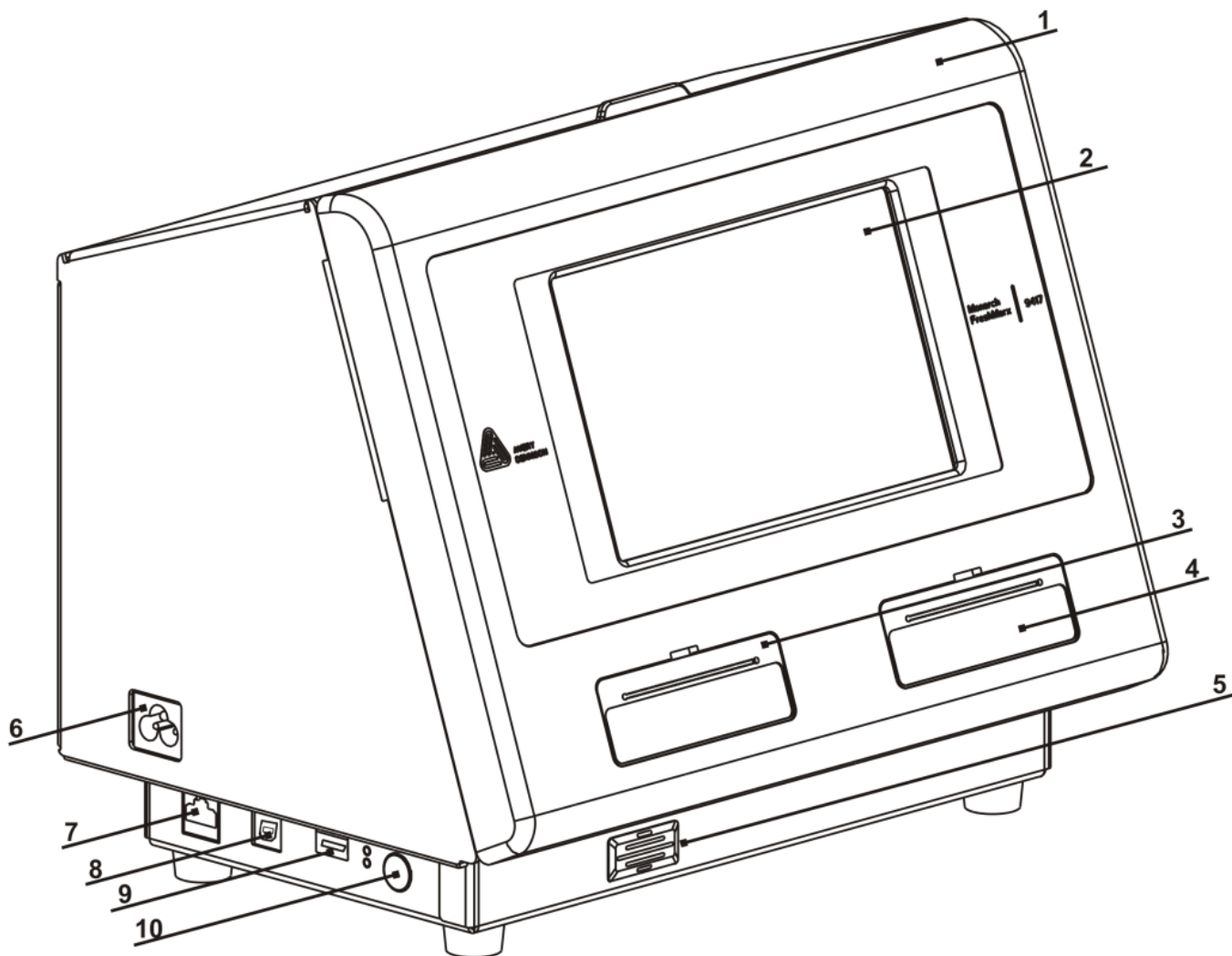
About the Printer

The printer has a touch screen and a built-in FreshMarx application. The printer is available as a single printer (left printer only) or dual printer (left and right printer).

The printer includes 21 standard formats. You can configure the dual printer to print one size supply on the Left printer and a different size supply on the Right printer. If your dual printer application only uses one size supply, you could configure the printer to print all formats on the Left printer and use the Right printer as a backup.

The following table describes additional documentation for the 9417+ printer:

Item	Description
<i>Quick Reference</i>	Includes basic start-up information such as supply loading, cleaning and minor troubleshooting.
<i>Operator’s Handbook</i>	Includes information about using the printer’s application, loading supplies, printing labels, and more.
<i>EasyEdit+ System Administrator’s Guide</i>	Includes information about using the EasyEdit+ application to create a product data file and select specific printer settings.
<i>LNT Programmer’s Manual</i>	Includes information about designing a Language Neutral Template (LNT) file.








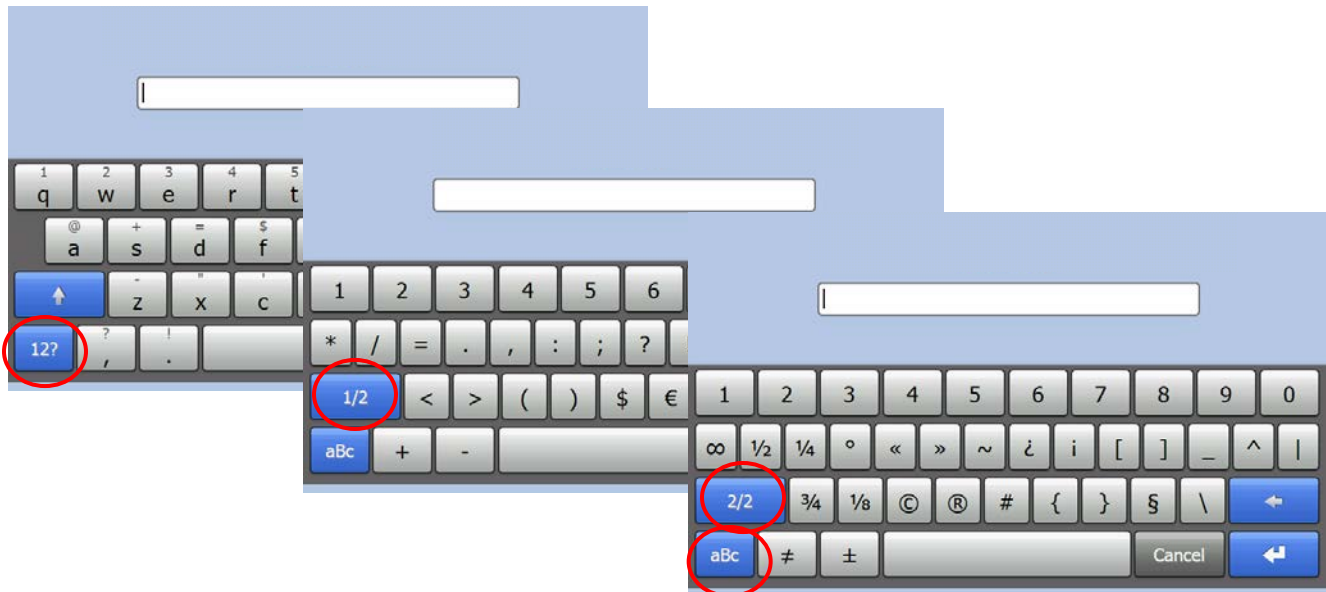
1	Cover	6	Power Cord Connection
2	Display	7	Ethernet Port
3	Left Printer	8	USB (Type B) Port
4	Right Printer	9	USB (Type A) Port
5	Speaker	10	Power Button

About the Setup Wizard

When the 9417+ printer is powered on for the first time or after updating the software, a setup wizard appears. The wizard guides you through important tasks such as setting the printer's language and setting the time and date. An administrator can run the setup wizard at any time by selecting Tools, Admin, System Settings, Startup Wizard.

Using the Keypad

- ◆ The default keypad is lowercase alphabetic. Press  (**Shift**) to use uppercase alphabetic characters.
- ◆ Press  to use numeric characters or symbols. Press  to see the second page of symbols; press  to return to the first page of symbols. Press  to return to the lowercase alphabetic keypad.



- ◆ Press and hold a key to use symbols and accented characters.



About Assigning Formats

The Freshmarx application includes 21 standard formats for food freshness dating, nutrition, and grab-and-go labeling. See Appendix A, “Standard Label Formats” for information on each format and a sample image. Formats are assigned when you create a category button. Freshmarx includes six categories to group your items. Only one format is assigned to a category.

Example categories are:

- ♦ Breakfast, Salad, Ingredients, etc.
- ♦ A - B, C – G, H – K, etc.
- ♦ Nutrition, Ingredient, Freshness, Grab-and-go, etc.
- ♦ Labels, Videos, Documents, Timers, etc. (See “About Button Modes” for more information).

Note: If you select a format larger than the loaded labels, some information may not print.

About Freshness Labeling

The Freshmarx date coding system calculates expiration dates/times based on each item's entered Use By Duration. When you create a product button enter the Use By Duration, Freshmarx calculates an expiration to print on the labels. The default mode prints the date and time on the label.

Freshmarx includes options to customize the printed expiration information, such as:

“End of Day” expiration mode Use for products that expire at the end of each day or in a set number of days. Only the date is printed, not the time.
Enter Must Use By Duration values in days. The printer ignores anything entered in the hours and minutes fields.
For example, 0 days expires today; 1 day expires tomorrow, etc.

<i>End of Day Expiration</i>	0 Day Expiration	1 Day Expiration	2 Day Expiration
Current Date: 09/01/16	End of Day 09/01/16	End of Day 09/02/16	End of Day 09/03/16

Print “End of Day” on Label. Enables or disables printing the words “End of Day” on the label when using “End of Day” expiration mode.

Custom Use By Description Default text is “MUST USE BY”. This can be modified to print a custom description, such as “BEST BEFORE”.

Date & Time of Print	Use By Duration	Default Expiration	End of Day Expiration Mode	Print End of Day	Custom Use By Description
09/01/16 10:21 AM	2 Day 1 Hour 15 Minutes	Sample Product 1 Description 2 Description 3 MUST USE BY 11:36 AM 09/02/16	Sample Product 2 Description 2 Description 3 MUST USE BY 09/02/16	Sample Product 2 Description 2 Description 3 MUST USE BY END OF DAY 09/02/16	Sample Product 2 Description 2 Description 3 BEST BEFORE 11:36 AM 09/02/16

Note: The sample labels above were created using Format 1.

About Button Modes

Product buttons can have different modes (function). Button mode is set on the Button Properties screen when you create or edit a product button.

For more information, refer to the *EasyEdit+ System Administrator's Guide* and *9417+ Operator's Handbook* found on our Web site

The button modes are:

Timer Button Mode

Create a timer product button to initiate a timer on the printer. Use the Button Properties screen to set the timer duration.

Video Button Mode

Create a video product button to play a video on the printer. Use the Button Properties screen to link the button to the video.

Document Button Mode

Create a document product button to view a document on the printer. Use the Button Properties screen to link the button to the document.

Label & Timer Button Mode

Label & timer product buttons' primary function is to print labels. When the button is pressed, the label quantity screen opens. Enter the quantity of labels to print. When you press Enter, the labels print and the timer is started.

Label & Video Button Mode

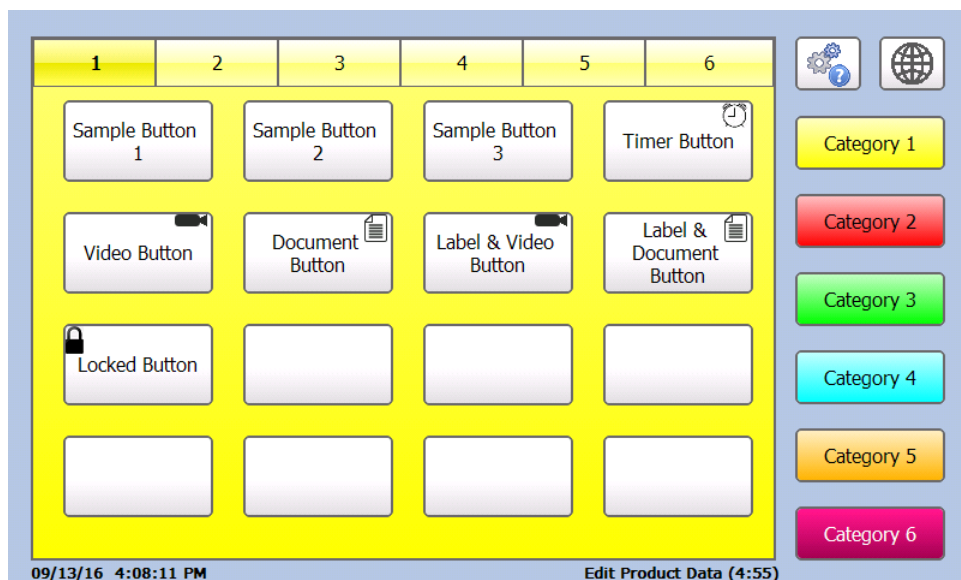
Label & video product buttons' primary function is to print labels. When the button is pressed, the label quantity screen opens. Press Play Video to play the video before printing labels. After the video plays, the print quantity screen is shown.

Label & Document Button Mode

Label & document product buttons' primary function is to print labels. When the button is pressed, the label quantity screen opens. Press View Document to view the document before printing labels. After the document is closed, the print quantity screen is shown.

Button Mode Icons

While in Edit Mode, product buttons appear as shown:



- ◆ Timer, video, and document buttons have icons in the top right corner of the button so users' know the button's function.
- ◆ Label buttons are the default; they do not have an indicator.
- ◆ Label & video and label & document buttons do not have an icon because the button's primary function is to print a label. As a secondary function the user can view a video or a document.

SETTING THE TIME AND DATE

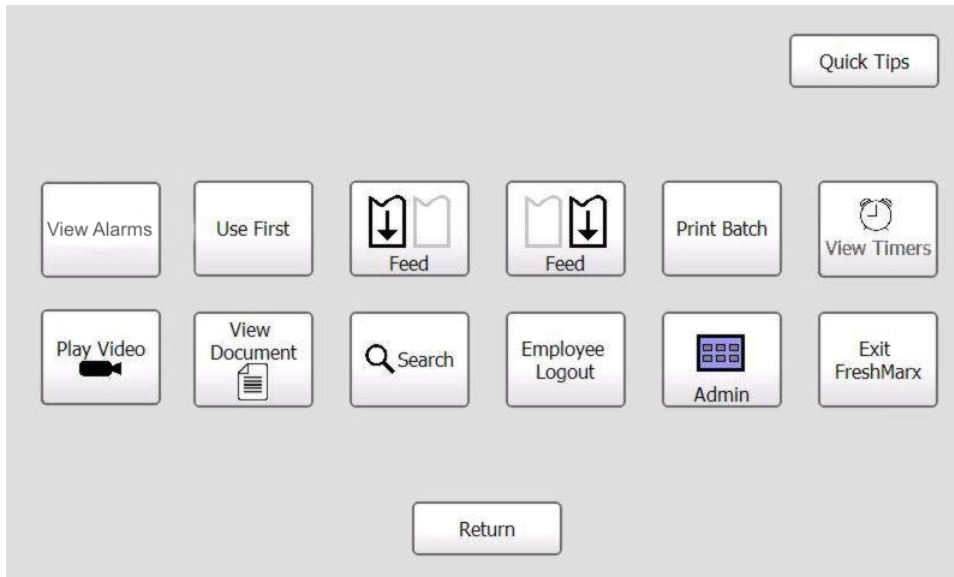
2

This chapter explains how to set and format the printer's time and date.

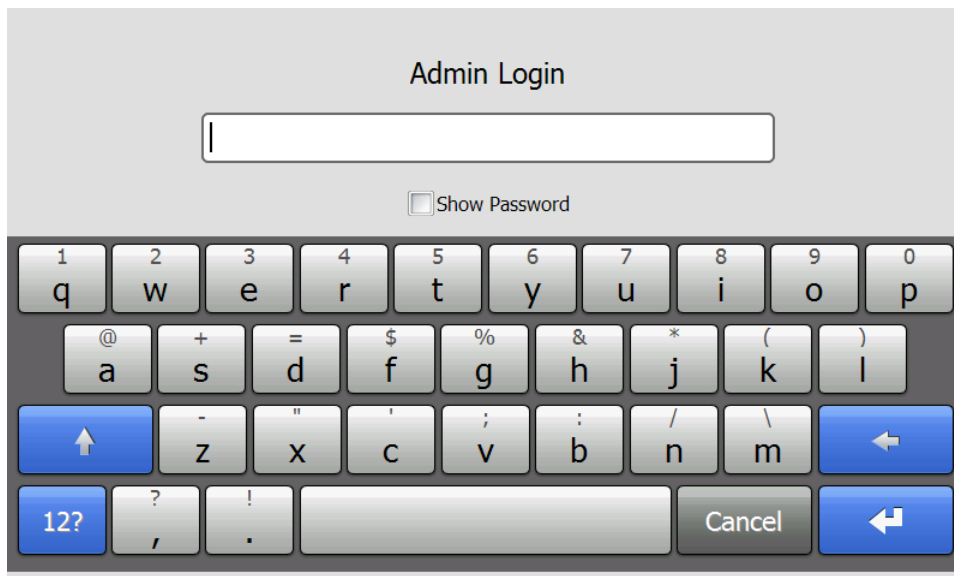
Adjusting the Time and Date

You can set the system time and date, format the time and date, select your time zone, and establish network time.

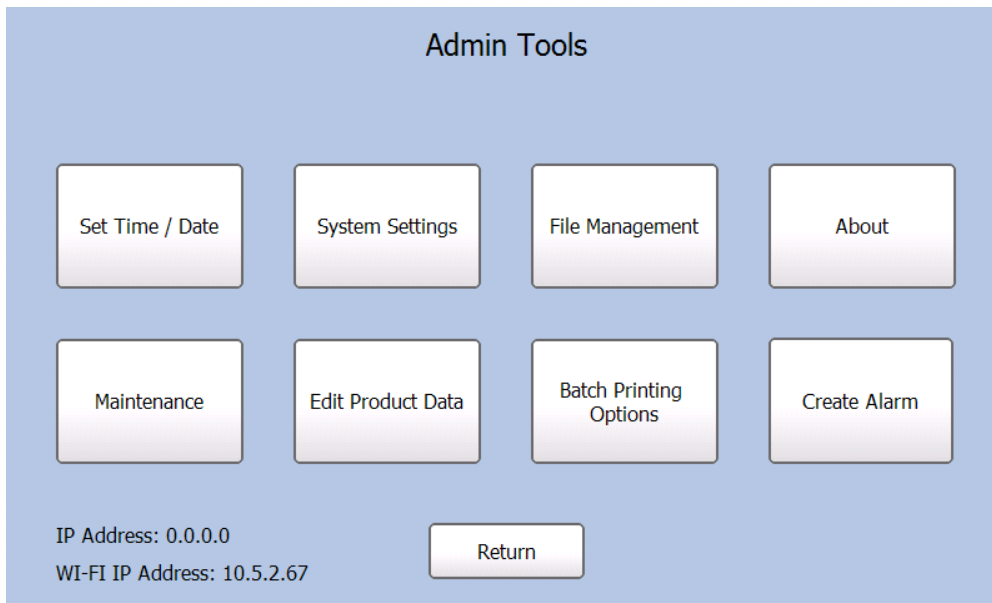
1. Press  (**Tools**).



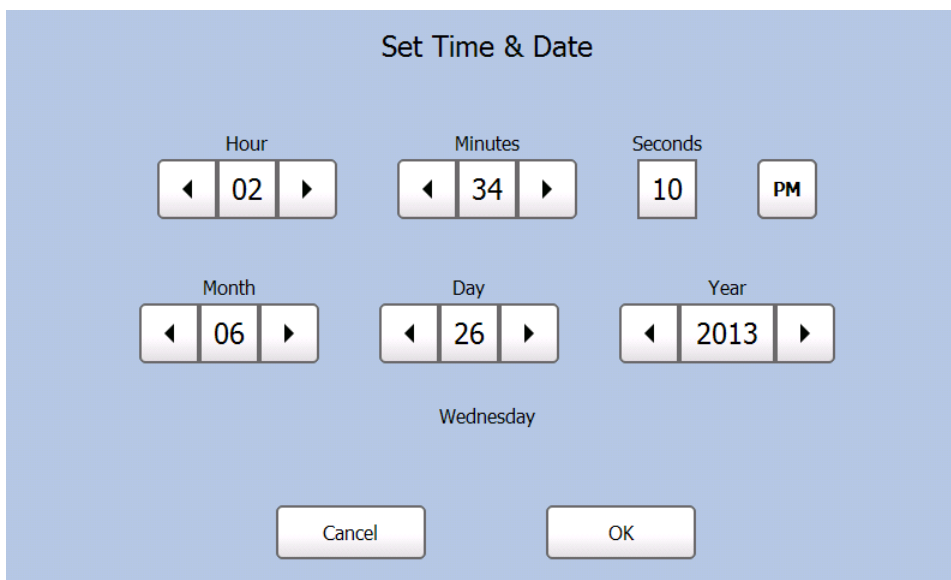
2. Press **Admin**.



3. Enter the Admin password and press  (**Enter**). The default password is **1234**.
The Admin Tools screen displays your IP address (for LAN connections) or your wireless IP address. See “Adjusting the LAN Settings” or “Adjusting the Wireless Settings” for more information.



4. Press **Set Time / Date**.
Use ◀ and ▶ to set the time and date.
Touch **AM/PM** to toggle the setting between AM and PM.

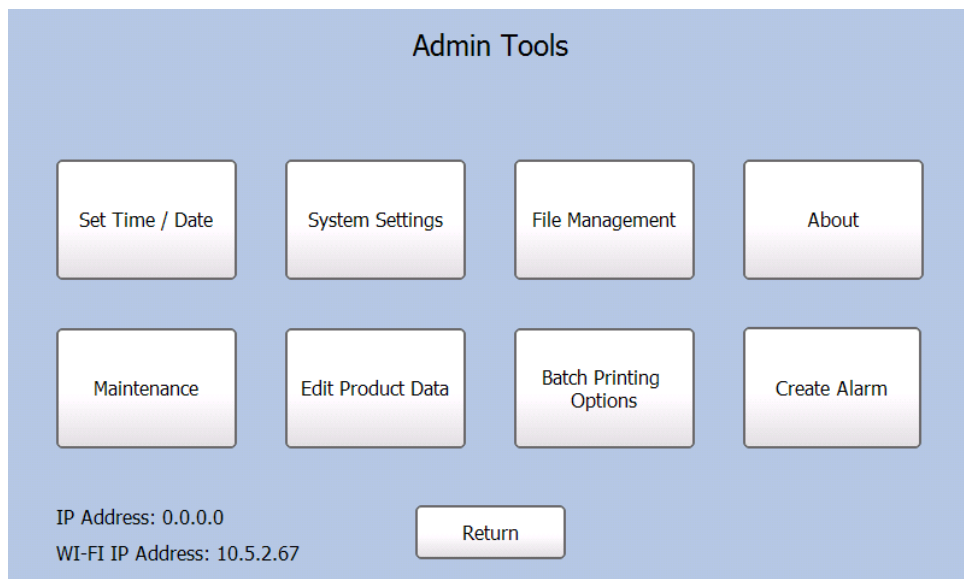


5. Press **OK** when you are finished.

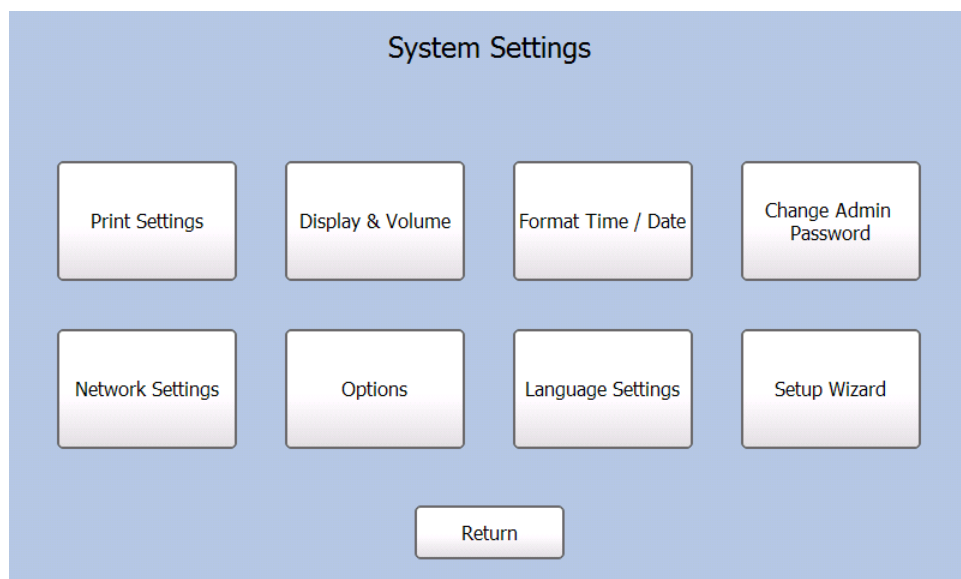
Formatting the Time and Date

To change the way the time/date appears on printed labels:

1. From the *Admin Tools* screen, press **System Settings**.



2. Press **Format Time / Date**.



3. Select the checkbox if you want to use a 24-hour clock. For example, 4:00 p.m. would appear as 16:00. Use the drop down menu to select the time separator to place between the hour, minute, and seconds (colon, period, comma, blank).

Format Time / Date

Time Settings

Format: ☐ Use 24 Hour Clock

Separator: : (colon)

Date Settings

Format: MM/DD/YY

Separator: / (slash)

Time Zone

(GMT-05:00) Eastern Time (US & Canada)

☒ Automatically adjust clock for Daylight Savings Time

Cancel OK

4. Use the drop down menus to select the date format and the date separator (slash, hyphen, period, comma, blank). The date separator is placed between the year, month, and day.

Format Time / Date

Time Settings

Format: ☐ Use 24 Hour Clock

Separator: : (colon)

Date Settings

Format: MM/DD/YY

Separator: / (slash)

Time Zone

(GMT-05:00) Eastern Time (US & Canada)

☒ Automatically adjust clock for Daylight Savings Time

Cancel OK

5. Use the ◀ and ▶ buttons to select your Time Zone.
6. Select the checkbox if you want the printer to automatically adjust the time for Daylight Saving Time.
7. Press **OK** when you are finished.

SETTING UP THE PRINTER

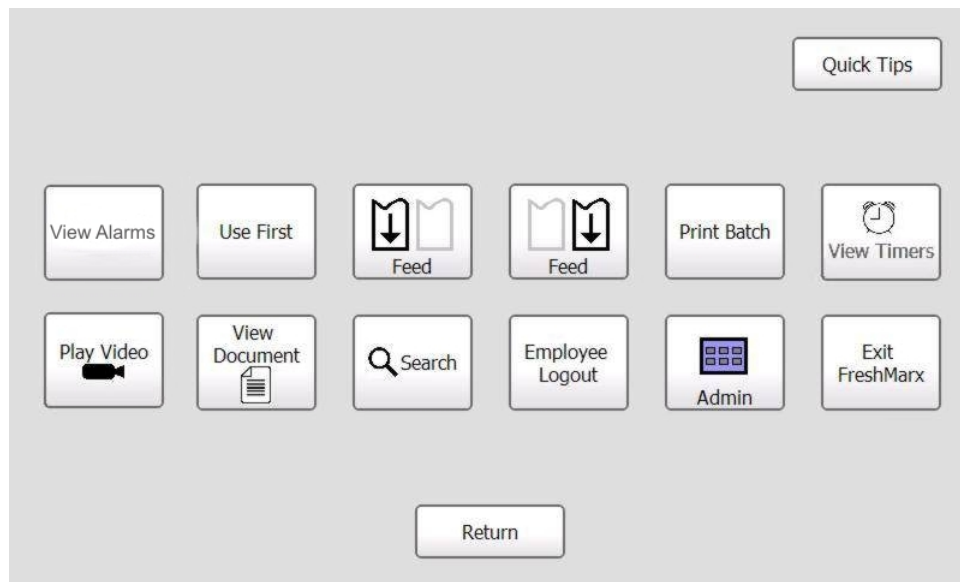
3

This chapter explains how to adjust the printer's print position, screen brightness, volume, language, and network settings.

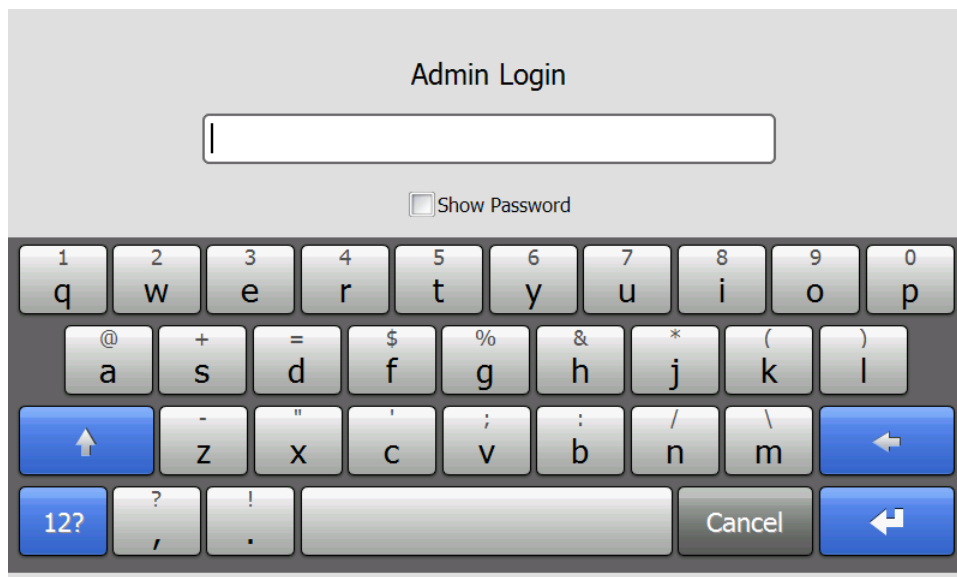
Adjusting the Print Settings

You can adjust the horizontal (X) and vertical (Y) print position of data on a label and set the print contrast. The Contrast controls the darkness of the printing.

1. Press  (**Tools**).

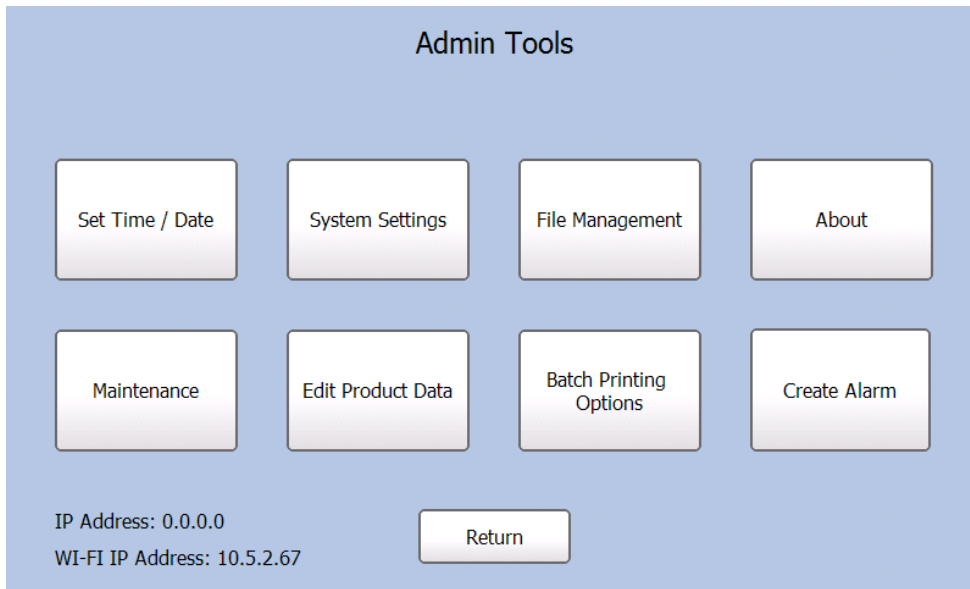


2. Press **Admin**.



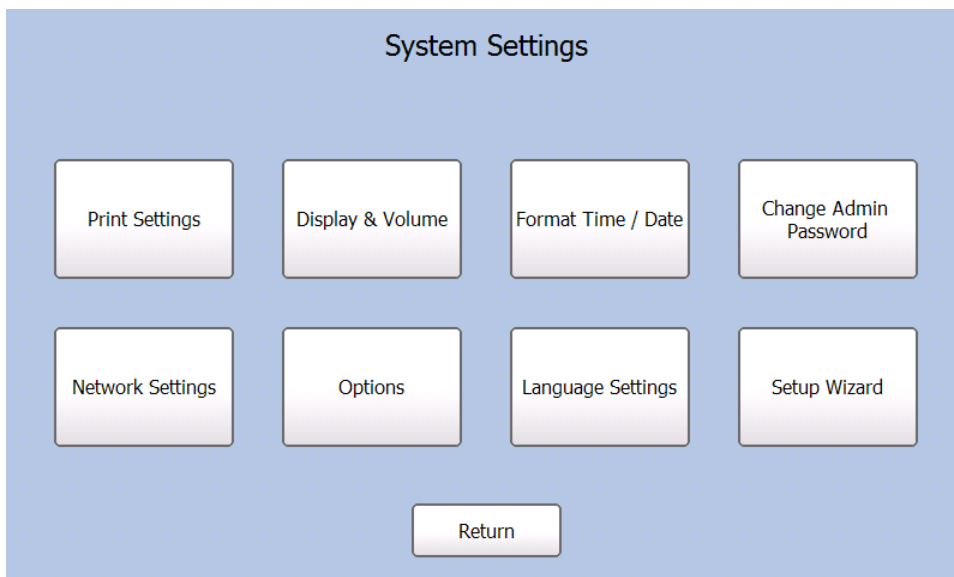
Select **Show Password** to see the characters while entering the password.

3. Enter the Admin password and press  (**Enter**). The default password is **1234**.



The Admin Tools screen displays your IP address (for LAN connections) or your wireless IP address. See “Adjusting the LAN Settings” or “Adjusting the Wireless Settings” for more information.

4. Press **System Settings**.



5. Press **Print Settings**.

Adjust the print settings for the Left and Right Printer:

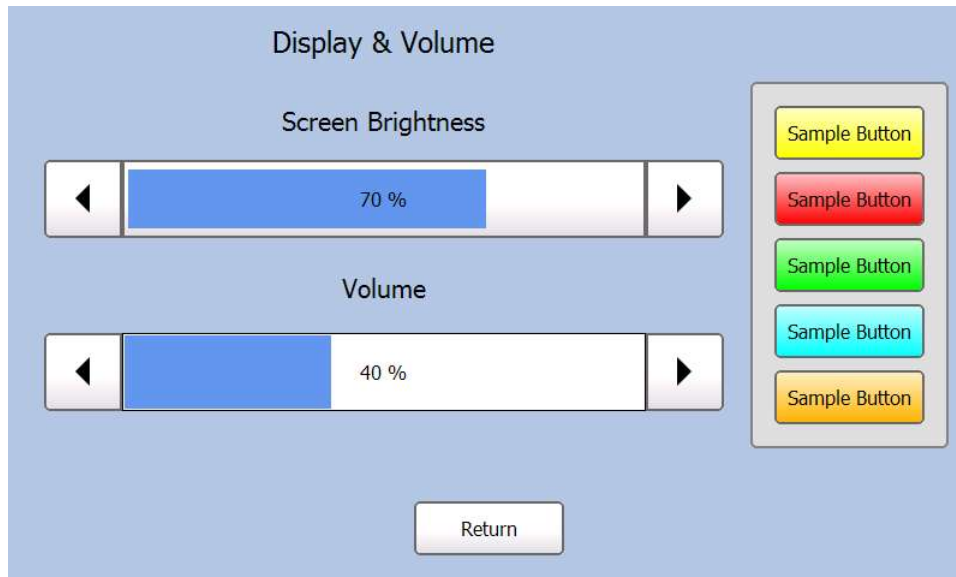
The image shows a 'Print Settings' dialog box with a light blue background. It is divided into two main sections: 'Left Printer' and 'Right Printer'. Each section contains three rows of controls: 'X Print Position' with left and right arrow buttons and a '0' value; 'Y Print Position' with up and down arrow buttons and a '0' value; and 'Contrast' with minus, '0', and plus buttons. Below these is a 'Format' section with left and right arrow buttons and a '1' value, and a 'Test Print' button. At the bottom of the dialog are 'Cancel' and 'OK' buttons.

6. Use the ◀ and ▶ buttons to adjust the X Print Position. Increasing the value moves the printed text to the right. Decreasing the value moves the printed text to the left. The range is -100 to 100 and the default is 0.
7. Use the ▼ and ▲ buttons to adjust the Y Print Position. Increasing the value moves the printed text up. Decreasing the value moves the printed text down. The range is -128 to 127 and the default is 0.
8. Use the - and + buttons to adjust the Contrast. Increasing the value makes the print darker. Decreasing the value makes the print lighter. The range is -100 to 100 and the default is 0.
9. Use the ◀ and ▶ buttons to select a format and click **Test Print** to check your print settings. The label prints. Make adjustments if necessary. See Appendix A, “Label Formats” for the size and content of each format.
10. Press **OK** when you are finished.

Adjusting the Screen Brightness

You can adjust the brightness of the screen. The range is 0 to 100 percent.

1. From the *Admin Tools* screen, press **System Settings**.
2. Press **Display & Volume**.

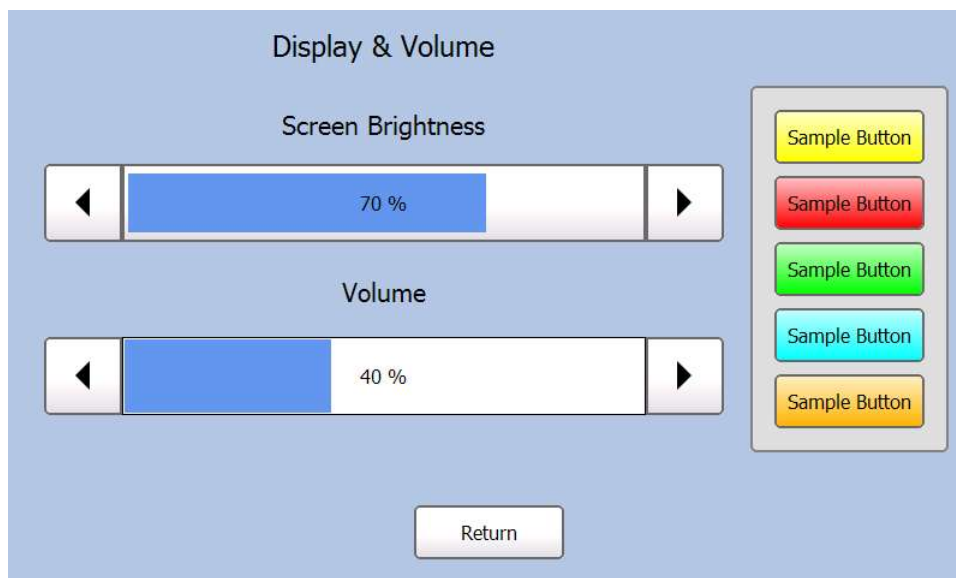


3. Use ◀ and ▶ to adjust the screen brightness. The Sample Buttons at the right show how the colors appear at the various brightness settings.
4. Press **Return** when you are finished.

Adjusting the Volume

You can adjust the volume of timers and videos. The range is 0 to 100 percent.


1. From the *Admin Tools* screen, press **System Settings**.
2. Press **Display & Volume**.



3. Use ◀ and ▶ to adjust the volume.
4. Press **Return** when you are finished.

Changing the Administrator's Password

To change the administrator's password:

1. From the *Admin Tools* screen, press **System Settings**.
2. Press **Change Admin Password**.
3. Enter the new password. As you enter the password, the characters are replaced with "*" in the text. Select **Show Password** if you want the characters to appear in the text box.
4. Press  (**Enter**). The password has been changed.
Make a note of your new password. If you forget your password, call Service.

Setting the Options

The options allow users to enable/disable employee login, recreate an old label, and enter a local store address.

Enable Employee Login Prompts users for an employee login. Login must be 2-10 alphanumeric characters. The ID displays on the screen and prints on freshness labels.



Auto logout option. After a selected time (2, 5, 10, or 15 minutes) of printer inactivity, the employee is automatically logged out; the Enter Employee ID screen is shown.

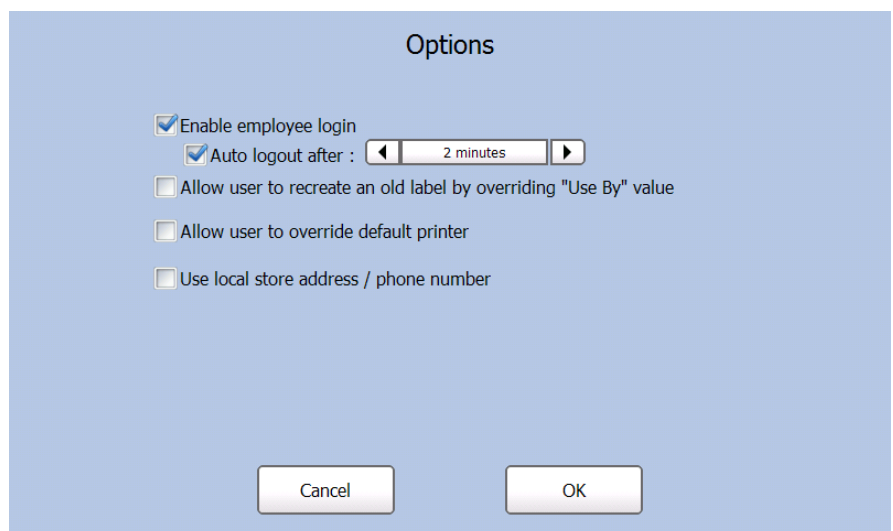
Recreate Label Users may need to reprint a freshness label if a label is torn or missing from a product. The user enters the *original* Use By time and date.

Note: An asterisk (*) prints after the date or time, indicating a reprinted label.


Allow user to override default printer When enabled, the user can choose the left or right printer.



Use local store address/phone number Users may need to print a local store address and/or phone number on their labels. An address and/or phone number entered at the printer overrides information entered using EasyEdit+.

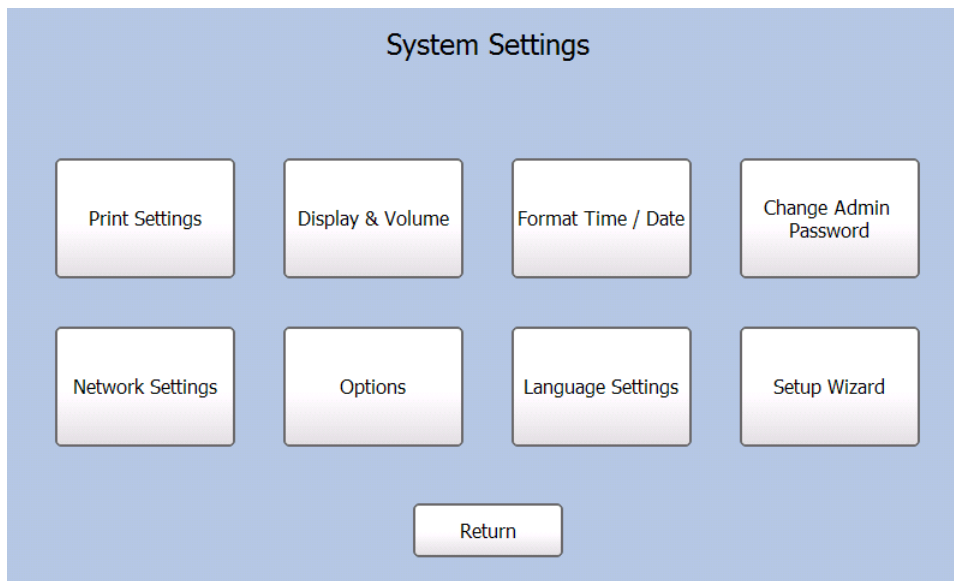
5. From the *Admin Tools* screen, press **System Settings**.
6. Press **Options**.
7. Select the options you need. Press **OK**.



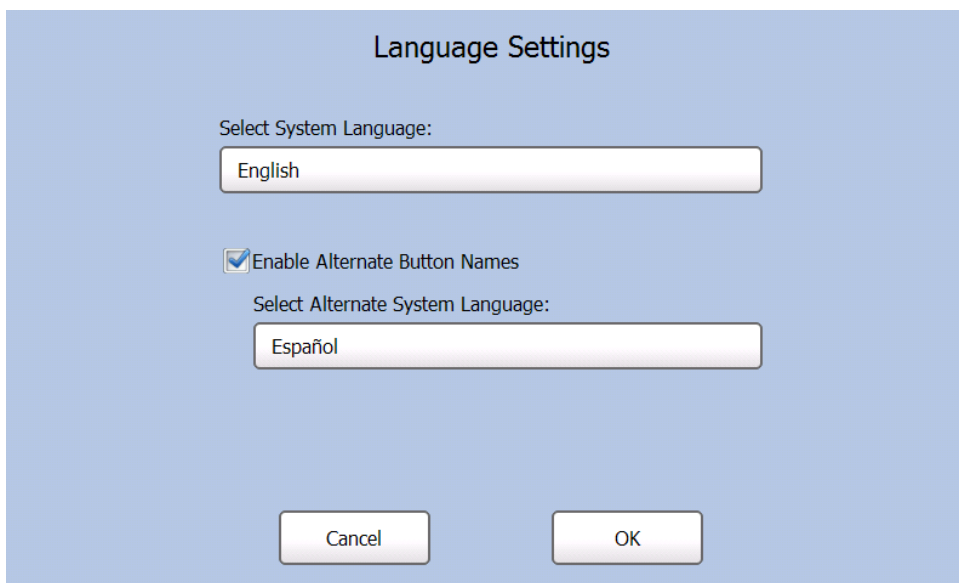
Adjusting the Language Settings

Use the Language Settings menu to set a primary system language, enable/disable alternate button names, and set an alternate system language. When an alternate system language is set, users can easily toggle between two languages by pressing .

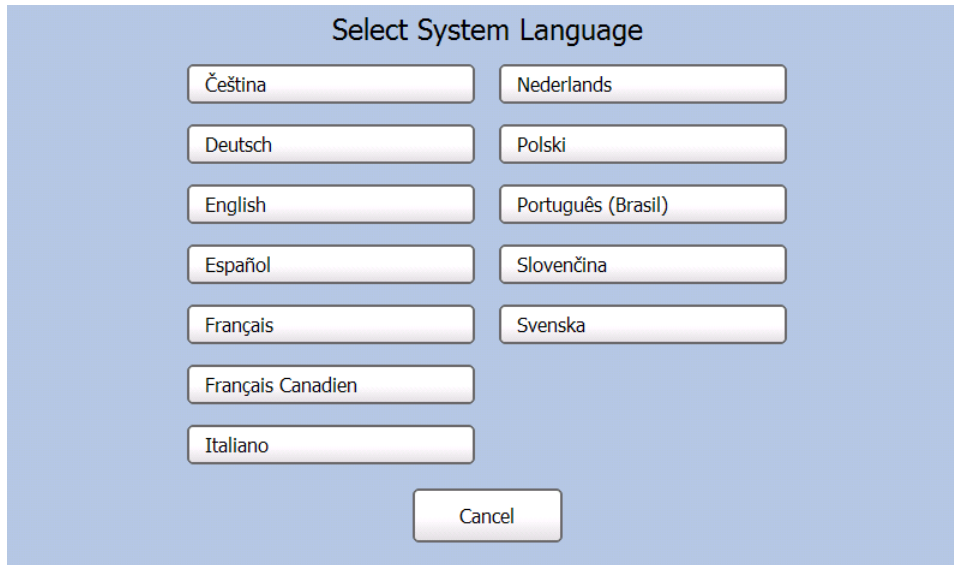
1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234.
4. Press **System Settings**.



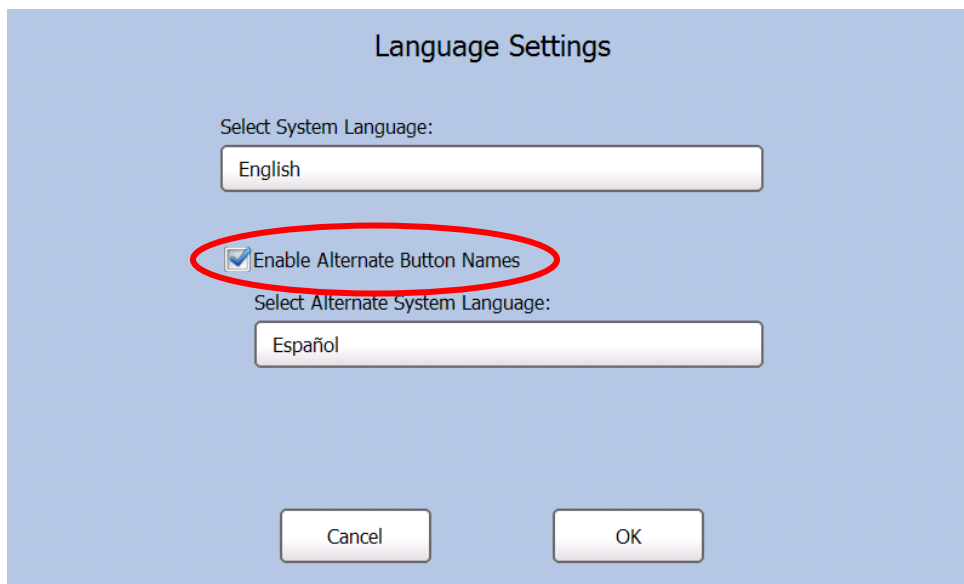
5. Press **Language Settings**.



6. Press the language box under Select System Language to select a System Language.



7. Select the language you want to use for all printer prompts and buttons.



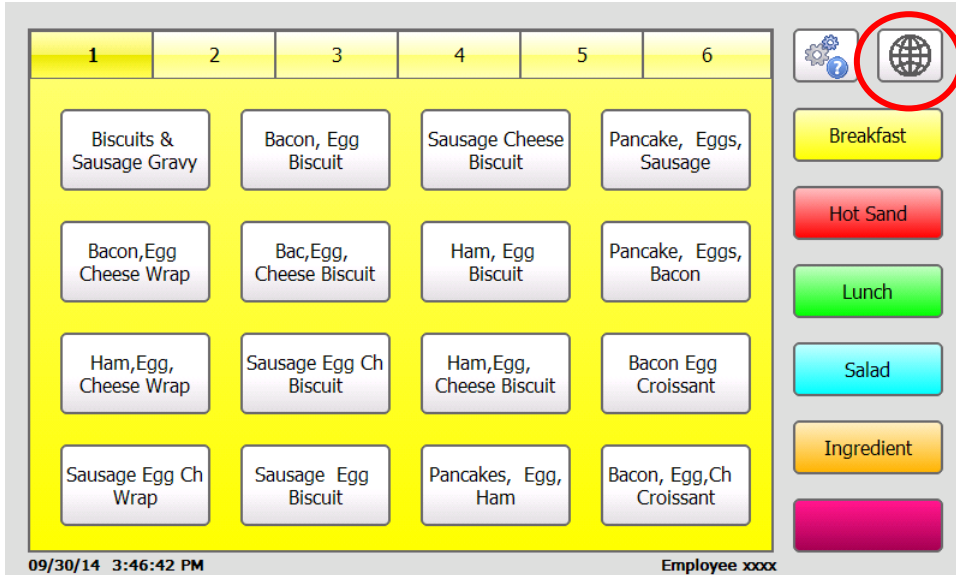
8. Select if you want to enable alternate button names (enter the product button names in a second language).
9. Press the language box under Select Alternate System Language to select the Alternate System language. This is the secondary language in which all printer prompts and buttons appear.
10. Select the secondary language.
11. Press **OK**.

When an alternate system language is set, users can easily toggle between the primary and secondary languages by pressing




Language Toggle Button

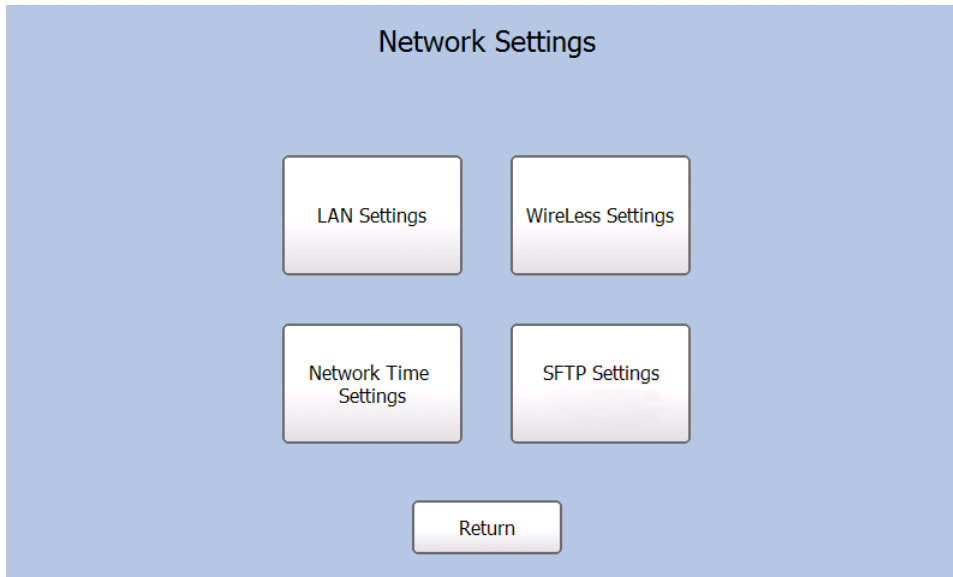
When an alternate system language is set, users can easily toggle between the primary and secondary languages by pressing  (**Language Toggle**) next to the Tools button.



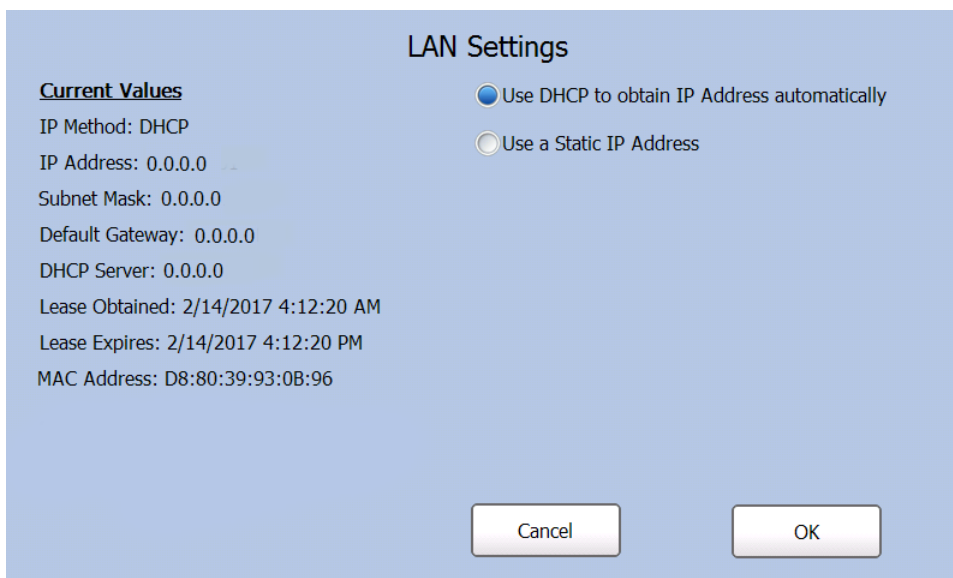
Adjusting the LAN (Local Area Network) Settings

Use the LAN Settings menu to view the current LAN settings or set an IP Address.

1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234. The Admin Tools screen displays your IP address (for LAN connections) or your wireless IP address.
4. Press **System Settings**.
5. Press **Network Settings**.



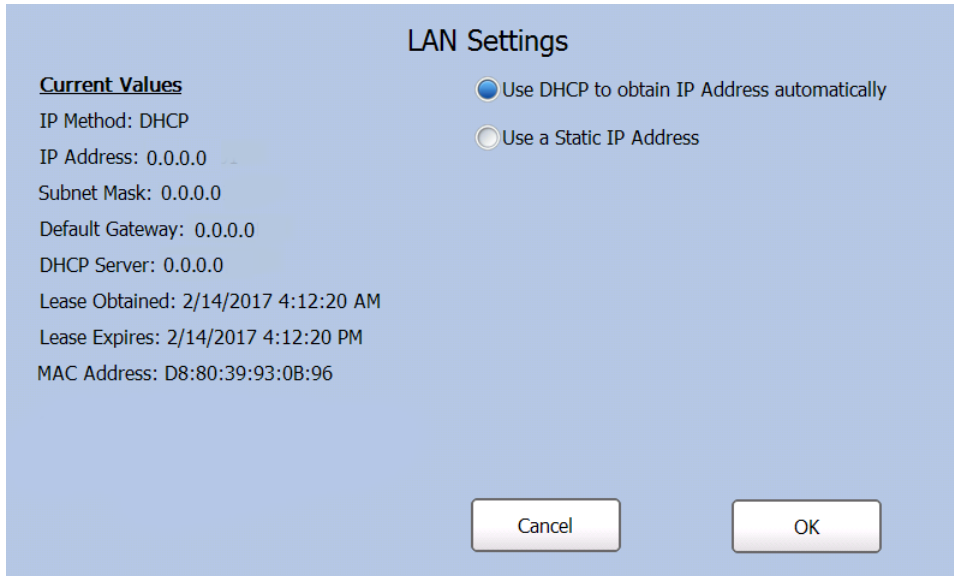
6. Press **LAN Settings**. The current LAN network settings appear.



Using DHCP to Obtain an IP Address:

You can use DHCP to automatically obtain the printer's IP Address.

1. From the *LAN Settings* screen, select Use DHCP to obtain IP Add automatically.



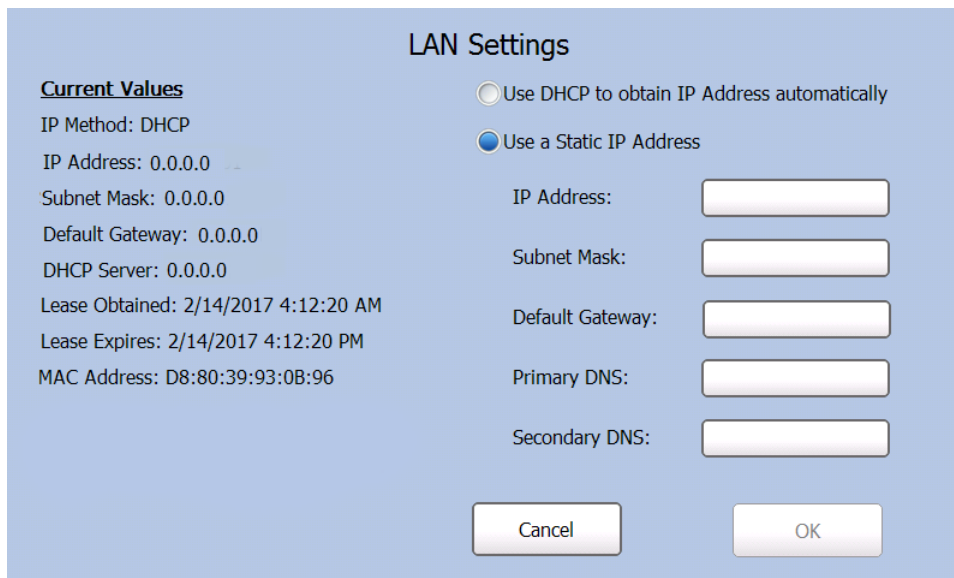
The screenshot shows the 'LAN Settings' window. On the left, under 'Current Values', the following information is displayed: IP Method: DHCP, IP Address: 0.0.0.0, Subnet Mask: 0.0.0.0, Default Gateway: 0.0.0.0, DHCP Server: 0.0.0.0, Lease Obtained: 2/14/2017 4:12:20 AM, Lease Expires: 2/14/2017 4:12:20 PM, and MAC Address: D8:80:39:93:0B:96. On the right, there are two radio buttons: 'Use DHCP to obtain IP Address automatically' (which is selected) and 'Use a Static IP Address'. At the bottom, there are 'Cancel' and 'OK' buttons.

2. Press **OK**. The printer automatically receives an IP address.


Using a Static IP Address:

You can assign the printer a static IP Address.

3. From the *LAN Settings* screen, select **Use a Static IP Address**.





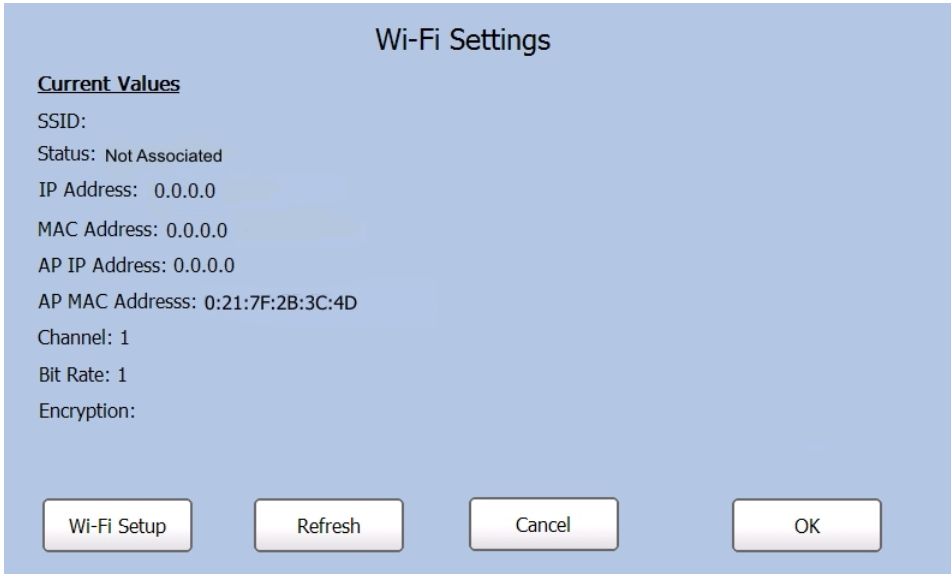
The screenshot shows the 'LAN Settings' window with the 'Use a Static IP Address' radio button selected. On the left, the same 'Current Values' information is shown as in the previous screenshot. On the right, there are five text input fields for configuration: 'IP Address:', 'Subnet Mask:', 'Default Gateway:', 'Primary DNS:', and 'Secondary DNS:'. Each field has a corresponding empty text box next to it. At the bottom, there are 'Cancel' and 'OK' buttons.

4. Touch the text box next to each field to enter the information as needed on the keypad.
5. Press  (**Enter**) on the keypad each time you complete a field.
6. Press **OK** when you are finished. The printer uses the static IP address.

Adjusting the Wireless Settings

Your printer may have optional wireless networking installed.

1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234. The Admin Tools screen displays your IP address (for LAN connections) or your wireless IP address.
4. Press **System Settings**.
5. Press **Network Settings**.
6. Press **WireLess Settings**. The current Wi-Fi settings are shown.



Wi-Fi Settings

Current Values

SSID:

Status: Not Associated

IP Address: 0.0.0.0

MAC Address: 0.0.0.0

AP IP Address: 0.0.0.0

AP MAC Address: 0:21:7F:2B:3C:4D

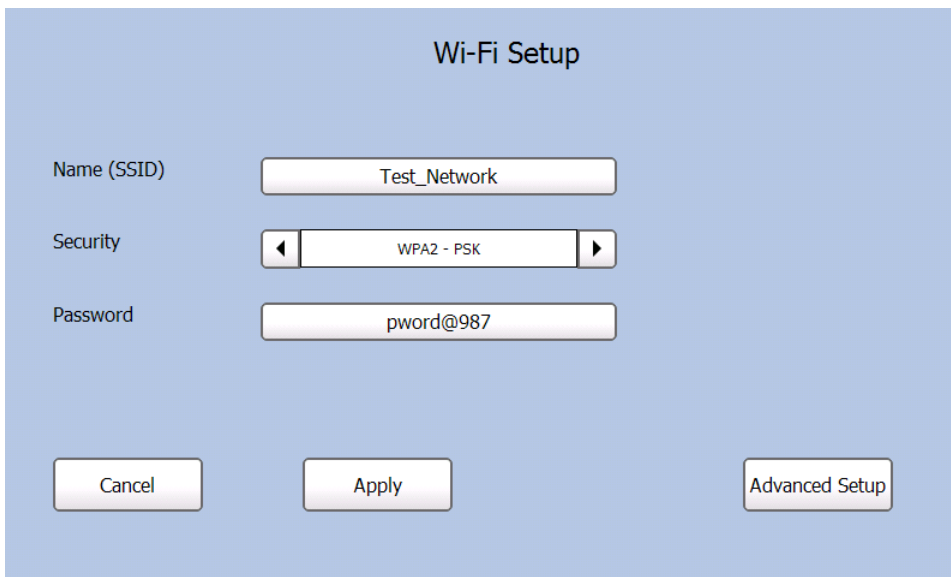
Channel: 1

Bit Rate: 1

Encryption:



Wi-Fi Setup Refresh Cancel OK

7. To set an SSID, security or password, press **Wi-Fi Setup**.






Wi-Fi Setup


Name (SSID)

Security  

Password

Cancel Apply Advanced Setup

8. Touch the text box next to the Name (SSID). Enter the SSID and press  (**Enter**) on the keypad.
9. Use  and  to select the security.

10. Touch the text box next to the Password. Enter the Password if necessary and press  (**Enter**) on the keypad.
11. Press **Apply** to save the changes. The printer establishes a network connection using the provided information.
12. Press **Refresh** to refresh the settings and see the SSID, network status, and IP address, etc.
13. Press **OK** when you are finished. For advanced WiFi setup, see Appendix B, “Advanced Wi-Fi Configuration”.

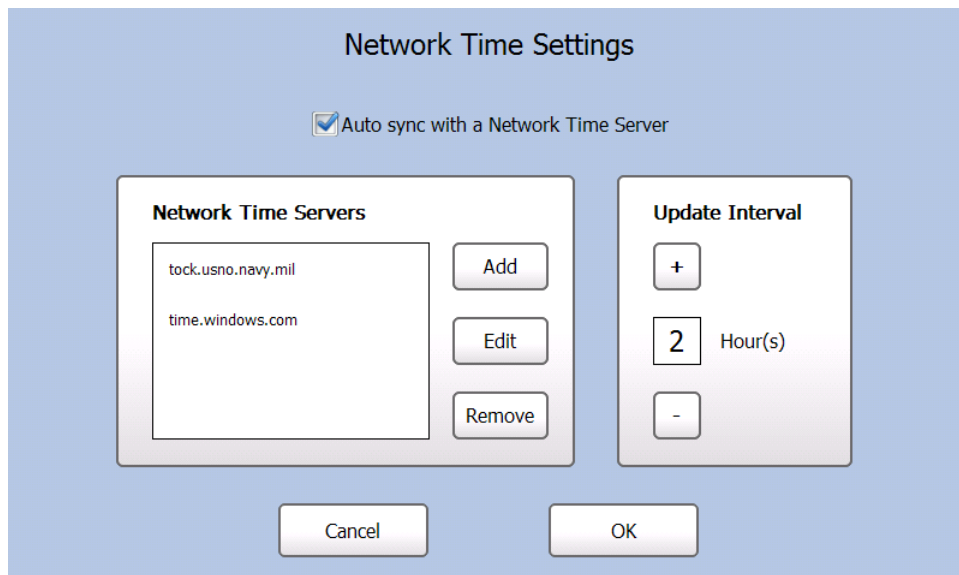
Connectivity Troubleshooting


Message	Action
<i>Status</i> appears as Not Associated or Not Inserted on Wi-Fi Settings screen.	<ul style="list-style-type: none"> ♦ Make sure the SSID, security, and password (key) were entered correctly. ♦ If the SSID is set correctly but “not inserted” appears for status, turn off the printer. Wait several seconds then turn it on. The printer should obtain a Wi-Fi IP address. If it does not, call Technical Support.

Selecting the Network Time Server

If your printer is connected to a network with Internet access or to a network time server, use this screen to adjust the settings.

1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234. The Admin Tools screen displays your IP address (for LAN connections) or your wireless IP address.
4. Press **System Settings**.
5. Press **Network Settings**.
6. Press **Network Time Settings**.

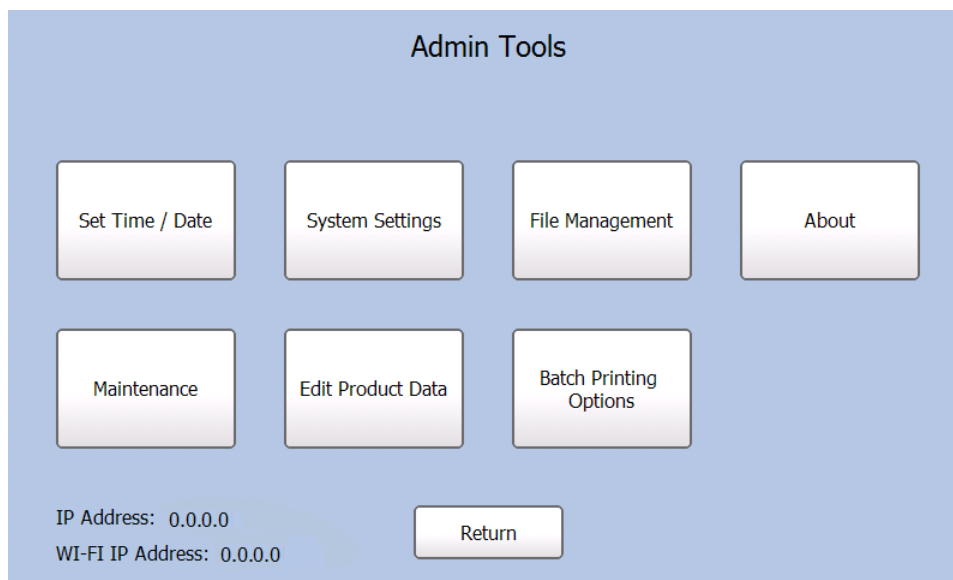


7. Select the check box if you want to automatically synchronize your clock with a Network Time Server.
8. To add a new Network Time Server press **Add**. Use the keypad to enter the server address.
press  (**Enter**) on the keypad each time you complete a field.
To edit an existing Network Time Server, select the server name from the box then press **Edit**. Use the keypad to change the server address as needed.
To remove an existing Network Time server, select the server name from the box then press **Remove**.
9. Adjust the frequency at which your clock synchronizes with the Network Time Server. Use the + and – buttons to adjust the setting up or down.
10. Press **OK** when you are finished.

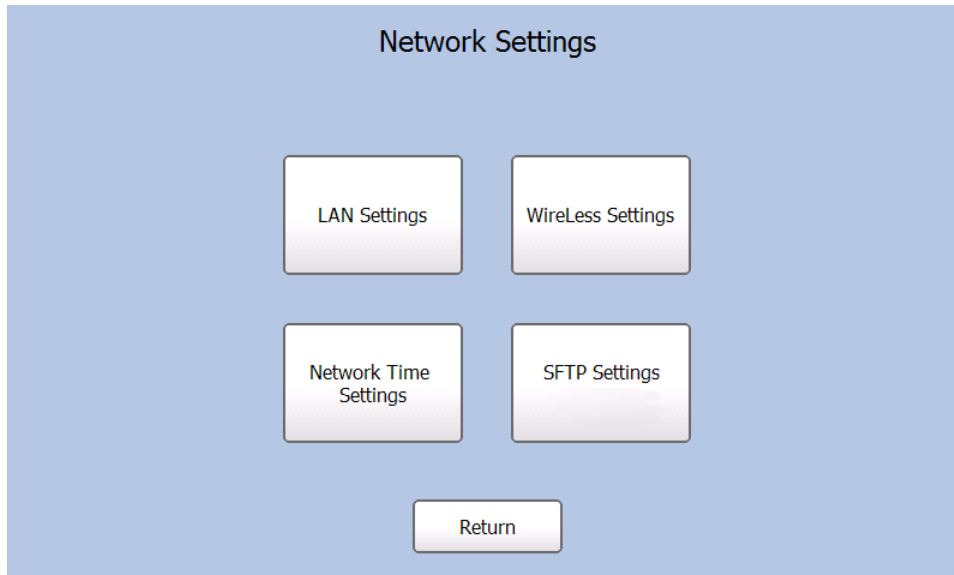
Updating the Printer via SFTP

You can use an SFTP server to update your printer's Product Data File and Application Software. The 9417+ printer functions as a client. **You must place a Config.xml file on your SFTP server and set the following parameters on your printer.**

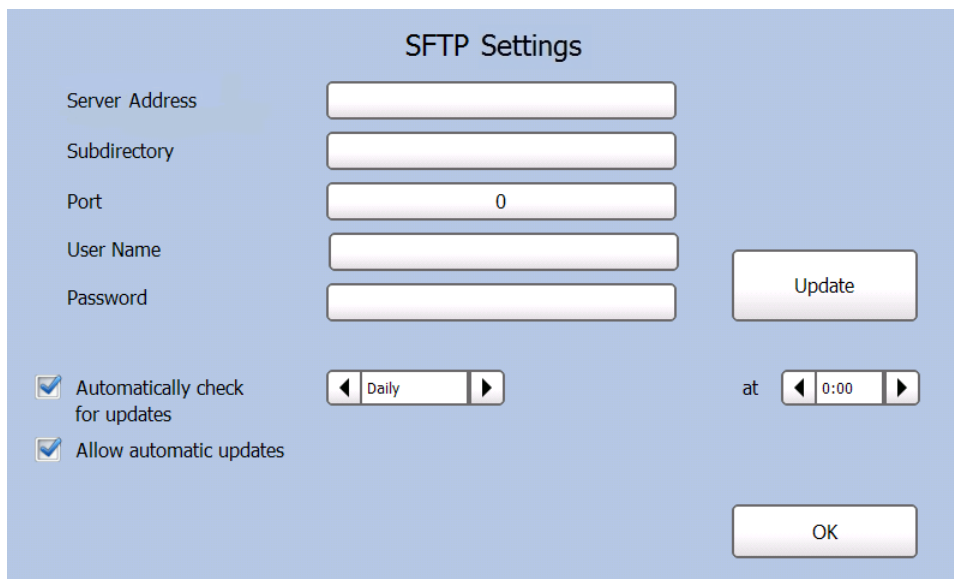
1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password then press  (**Enter**). The default password is **1234**.
4. Press **System Settings**.



5. Press **Network Settings**.



6. Press **SFTP Settings**.

The image shows an 'SFTP Settings' configuration screen. The title 'SFTP Settings' is centered at the top. Below the title, there are five input fields: 'Server Address', 'Subdirectory', 'Port' (containing the value '0'), 'User Name', and 'Password'. To the right of these fields is an 'Update' button. Below the input fields, there are two checked checkboxes: 'Automatically check for updates' and 'Allow automatic updates'. To the right of the first checkbox is a dropdown menu currently set to 'Daily' with left and right arrow buttons. To the right of the second checkbox is the word 'at' followed by a time selection interface showing '0:00' with left and right arrow buttons. At the bottom right of the screen is an 'OK' button.

7. Enter the credentials necessary – your SFTP Server Address, User Name, Password, etc.

8. Select **Automatically check for updates** for your printer to query the SFTP server for updates at a specified time and frequency.

Use the ◀ and ▶ next to adjust the settings. You can set the printer to check for updates:

- Daily at a specific time
- Weekly on a set day at a set time (uses 24 hour clock)
- Monthly on a set day at a set time (uses 24 hour clock)
- On every start-up

9. Select **Allow automatic updates** for your printer to accept an unscheduled update sent from the SFTP server.

10. Click **Update** to force an update from the SFTP server.

11. Click **OK**.

Creating an SFTP Config File

To push/pull files (FreshMarx application updates and/or FreshMarx product data files) using an SFTP server, you need to create a Config.xml file to reside on your SFTP server.

1. Use a text editor to start a new file.
2. Copy and paste the following text into the file.

```
<?xml version='1.0'?>
<Upload>
  <Data Path='newData.FreshMarx' Date='06/30/2017' Silence='N'/>
  <Data Path='132027 FreshMarx Mfg Build32.cab' Version='3.2.11.0' Silence='N'
AppType='Freshmarx'/>
</Upload>
```

3. Modify the following areas of the pasted text:

For the Data File:

- Path = the name of the data file (*.freshmarx).
- Date = the timestamp when the file was created/posted. Freshmarx will remember this date after pulling the file.
 - For example, when a new data file is posted on the SFTP server, update the date field so FreshMarx will see it as a new file.
 - The date field format (mm/dd/yyyy or dd/mm/yyyy) needs to match that set on the printer (Tools, Settings, System Settings, Format Time/Date).
- Silence = if you want the data file to install without user interaction. Enter “N” for no, “Y” for yes.

For the Application:

- Path = the name of the cab file
- Version = the version of the Freshmarx cab file. **Important: All 4 places in the version string are required (ex: 3.2.11.0).** Freshmarx compares the version string and performs the update if necessary.
- Silence = if you want the file to install without user interaction. Enter “N” for no, “Y” for yes.
- AppType = the type of application.

4. Save the file as “Config.xml” into the root directory on your server.

Notes:

1. The Update button on the printer (Tools, Admin, System Settings, Network Settings, SFTP Settings), **always** updates the data file (.freshmarx), regardless of the Date parameter. The application file (.cab) is only updated based on the version string, when necessary.
2. The data block and application block are both optional. Only one of each should be defined; you cannot specify more than one data file or application file.

This chapter explains how to

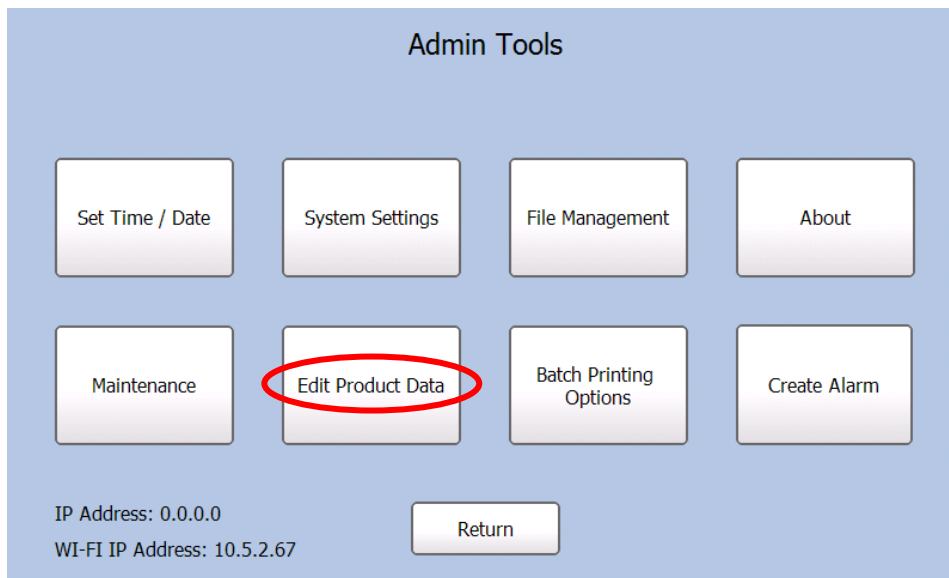
- ♦ add and remove product buttons
- ♦ change the “use first” buttons description
- ♦ edit categories and tab names
- ♦ add timers.

Entering Edit Mode

You can make changes to the product buttons; on the printer through Admin Tools or on your PC using EasyEdit+ (refer to the *EasyEdit+ System Administrator's Guide* on our Web site).

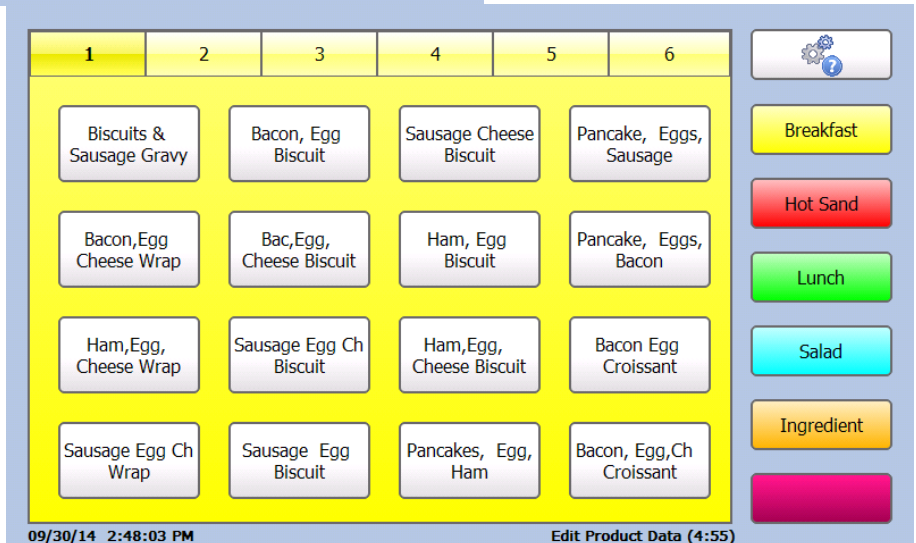
Some printed fields can only be edited using EasyEdit+.

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then press  (**Enter**). The default password is **1234**.



4. Press **Edit Product Data**.

You return to the product screen. The background color of the screen changes and “Edit Product Data” appears at the bottom right of the screen. After five minutes of inactivity, you must repeat steps 1 – 4. The countdown is shown at the bottom right of the screen.

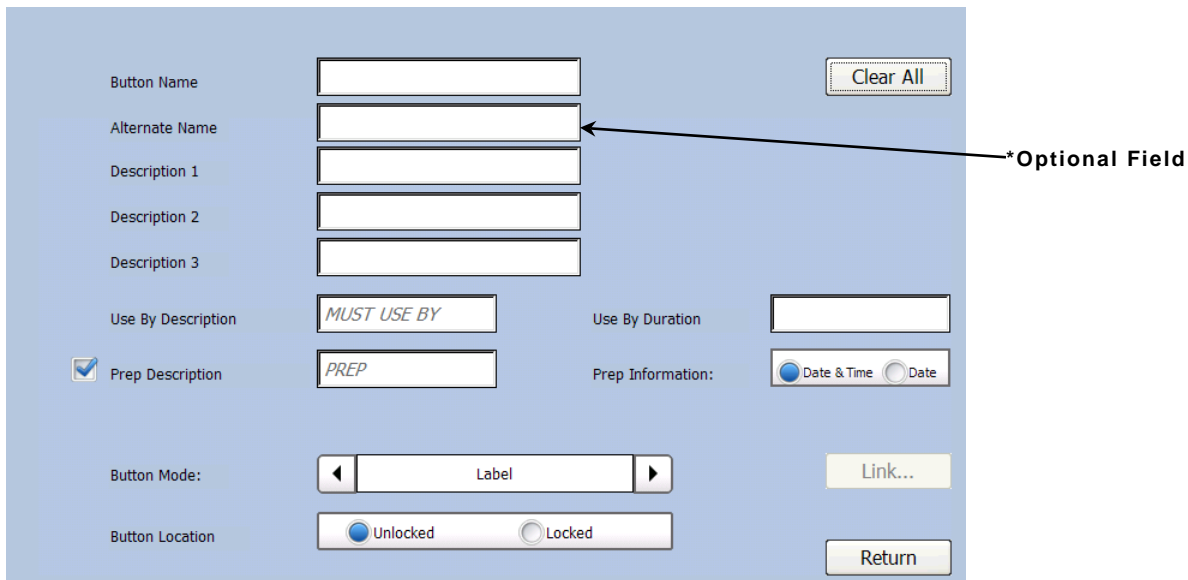


Adding and Removing Products

You must be in Edit Mode to add or remove product buttons.

To add a product button:

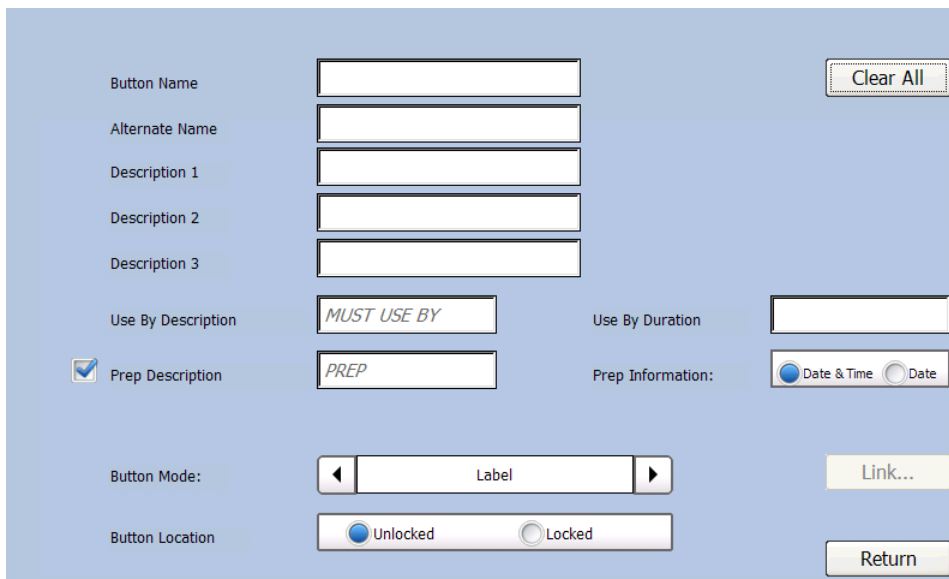
1. Press any empty product button.



The screenshot shows a configuration form for a product button. It includes fields for Button Name, Alternate Name, Description 1, Description 2, and Description 3. There are also fields for Use By Description (with a dropdown menu showing 'MUST USE BY') and Use By Duration. A checkbox for 'Prep Description' is checked, and the Prep Description field contains 'PREP'. The Prep Information section has radio buttons for 'Date & Time' (selected) and 'Date'. The Button Mode field is a dropdown menu showing 'Label'. The Button Location section has radio buttons for 'Unlocked' (selected) and 'Locked'. There are 'Clear All', 'Link...', and 'Return' buttons. An arrow points to the 'Alternate Name' field with the text '*Optional Field'.

*The Alternate Name field is shown if you enable Alternate Button Names (see “Adjusting the Language Settings” for more information). Enter the button’s alternate name as you want it to appear when the operator presses the Language Toggle Button.

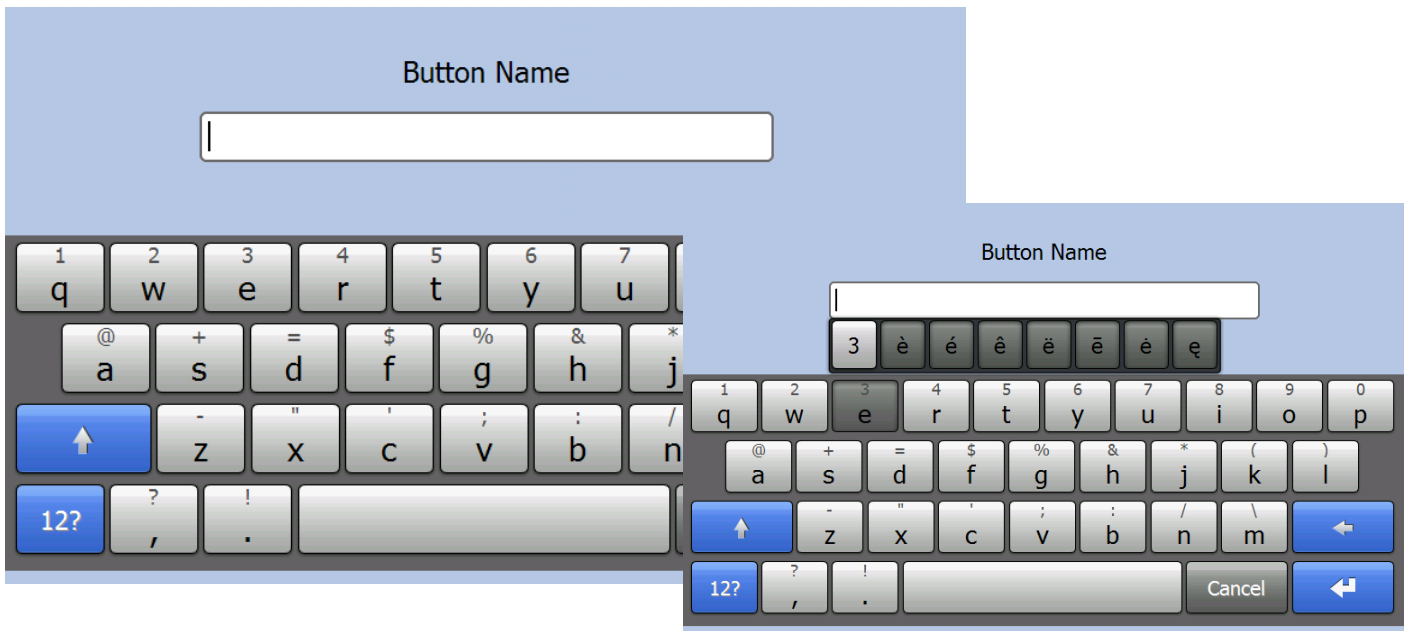
2. Select the Button Mode. The Button Mode field sets the button function. See “About Button Modes” for more information.




This is a duplicate of the screenshot above, showing the same configuration form for a product button.


You must click the link button to link a file to the button if you select Video, Document, Label & Video, or Label & Document button mode.


3. Enter the button name. Touch the text box next to each field to open the keypad. Press and hold a key to use symbols and accented characters.



4. Press  (**Enter**) on the keypad each time you complete a field.
5. To modify the Must Use By description, touch the text box next to the Use By Description field to open the keypad. The default "MUST USE BY" appears.

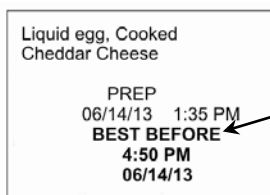


To return to the default value, press  to clear the field then click **Save**. Default values are shown in italicized, gray text. User modified values are shown in non-italicized, black text.

Press  to clear the field and enter the new data, for example, **BEST BEFORE**.

Press  (**Enter**).

When this item is printed, the new Use By description prints. For example:



New Use By Description:
BEST BEFORE

6. Touch the text box next to the Use By Duration field.

Use By Duration

☐ Use "End of Day" expiration mode

Days

◀ 0 ▶

Hours

◀ 00 ▶

Minutes

◀ 00 ▶

Cancel

OK

- ◆ Use ◀ and ▶ to set the product's expiration time in Days, Hours, and Minutes.
- ◆ Select Use "End of Day" expiration mode to only print the date on the label. The hours and minutes fields are disabled.
- ◆ Select Print "End of Day" on label to print "End of Day" and the date on the label.

Use By Duration

☒ Use "End of Day" expiration mode ☐ Print "End of Day" on label

Days

◀ 0 ▶

Hours

◀ 0 ▶

Minutes

◀ 0 ▶

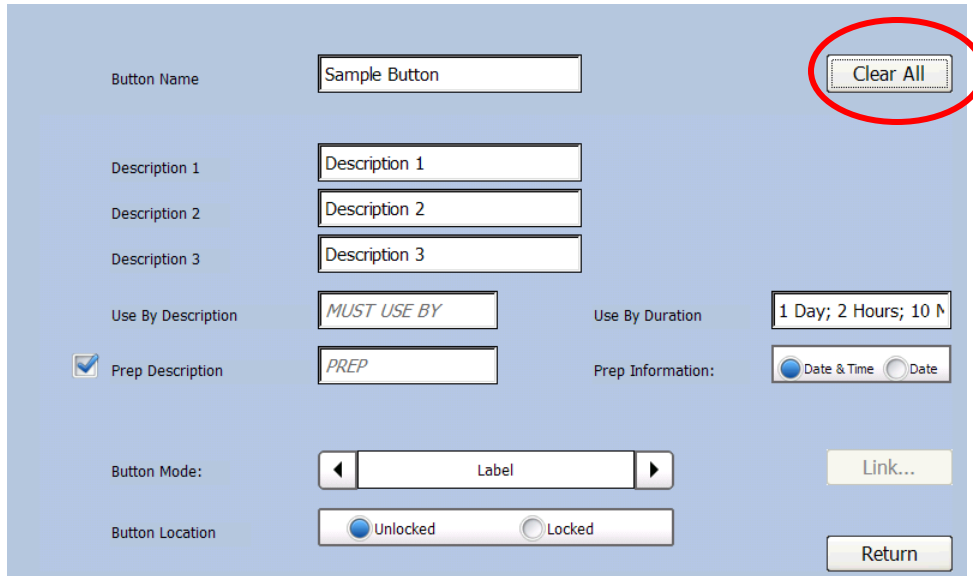
Cancel

OK

7. Press **OK**.
8. Enter any other information as necessary.
9. Press **Save**. The new product button appears.

To remove a product button:

1. Press the product button you want to remove.
2. Press **Clear All**. All existing product information is removed from the screen.



The screenshot shows a form for editing a product button. The 'Clear All' button is circled in red. The form includes the following fields and controls:


- Button Name: Sample Button
- Description 1: Description 1
- Description 2: Description 2
- Description 3: Description 3
- Use By Description: MUST USE BY
- Use By Duration: 1 Day; 2 Hours; 10 M
- Prep Description: ☒ PREP
- Prep Information: ☒ Date & Time ☐ Date
- Button Mode: Label
- Button Location: ☒ Unlocked ☐ Locked
- Link... button
- Return button

3. Press **Save**.

You return to the product screen; the selected button is blank.

Editing Product Descriptions

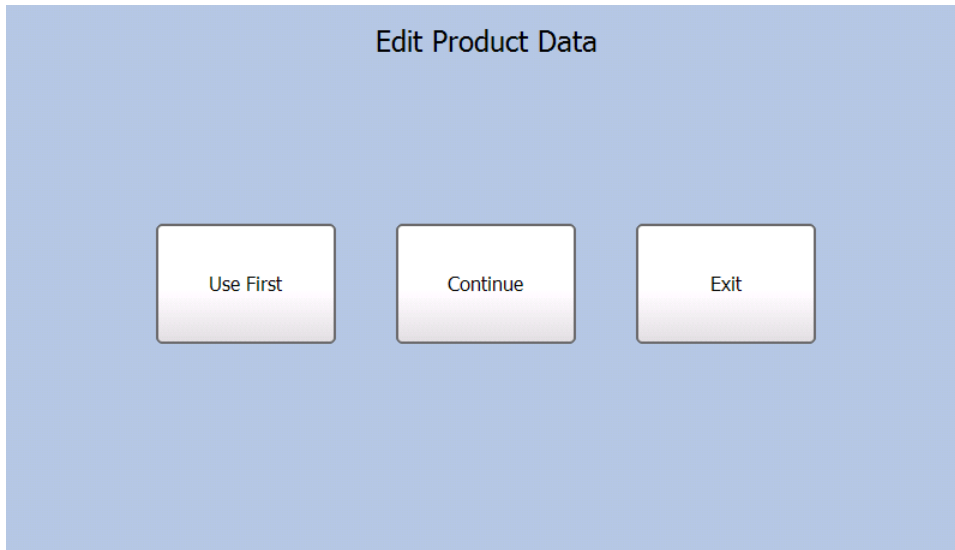
You must be in Edit Mode to change button information.

4. Press the product button to edit.
5. Edit the product information fields as needed. Touch the text box next to each field to open the keypad.
6. Press  (**Enter**).each time you complete a field.
7. Press **Save**.

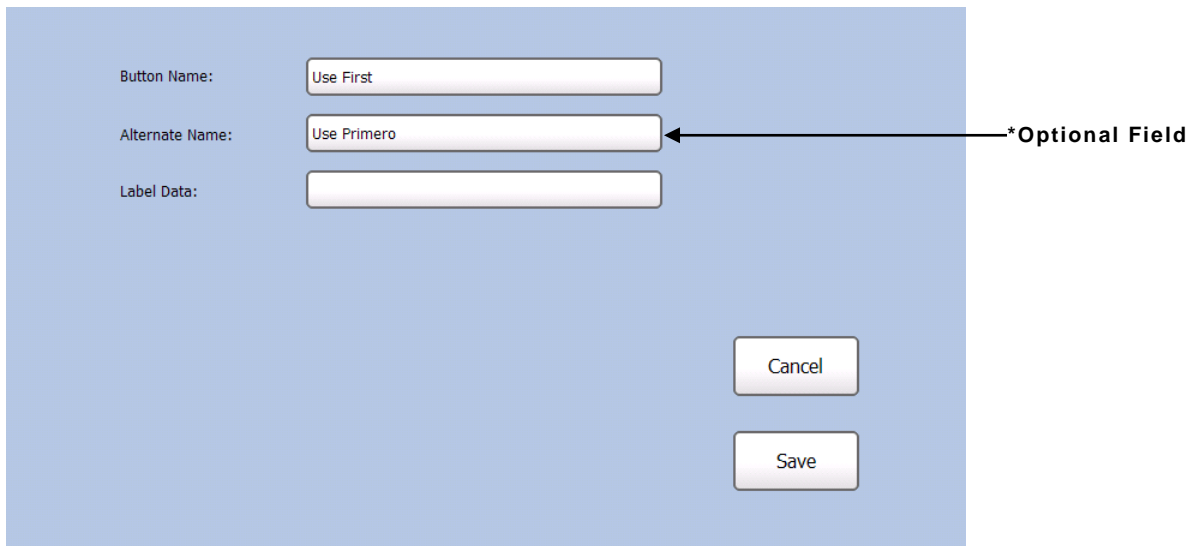
Editing the Use First Button


You must be in Edit Mode to change the Use First button. This field has a maximum of four words.

1. Press  (**Tools**).



2. Press **Use First**.

A screenshot of the "Edit Product Data" screen showing the configuration form for the "Use First" button. The form has three input fields: "Button Name:" with the value "Use First", "Alternate Name:" with the value "Use Primero", and "Label Data:" which is empty. An arrow points from the text "*Optional Field" to the "Alternate Name:" field. At the bottom right of the form are two buttons: "Cancel" and "Save".

*The Alternate Name field is shown if you enable Alternate Button Names (see "Adjusting the Language Settings" in Chapter 3 for more information). Enter the button's alternate name as you want it to appear when the operator presses  (**Language Toggle**).

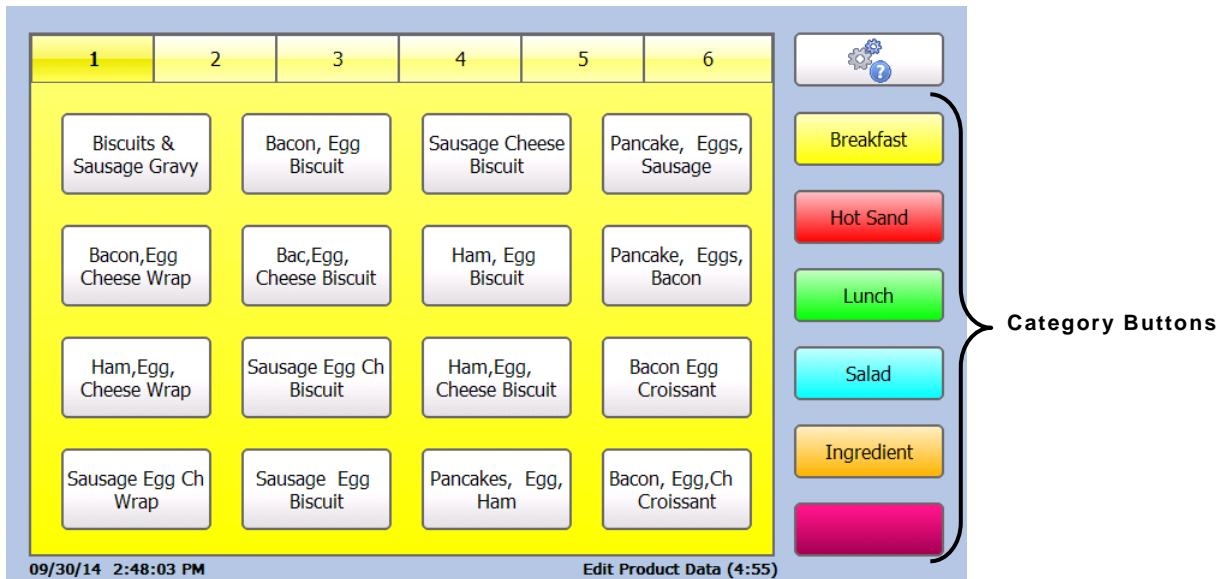
3. Enter the Button Name.
 4. Enter the Label Data. This field is printed on labels when the Use First button is pressed. If this field is left blank, the default text "Use First" prints on labels.
 5. Click **Save** to save the changes or **Cancel** to exit.
- The "Use First" Button Name, "Use First" Alternate Name, and Label Data fields have default values. You can press the ⊗ to clear the field then click Save to use the default values.

**BEST
BEFORE**

07/01/13 2:20 PM


Editing Category Buttons

You can change the names of the category buttons. You can also select which format and printer (left or right) prints for each category. You must be in Edit Mode to edit categories. Settings apply to all product buttons within the selected category.




1. Select the category button you want to edit. You may have to press the category button up to three times to open the editing screen.

The screenshot shows the 'Edit Category Button' screen. It has several fields: 'Button Name' (Sample Category), 'Alternate Name' (empty), 'Label Format' (FMX_02), 'Printer' (Left selected, Right unselected), 'Use By Description' (MUST USE BY), 'Prep Description' (PREP), 'Ready Description' (READY), 'Tab Names' (1, 2, 3, 4, 5, 6), 'Alternate Tabs' (1, 2, 3, 4, 5, 6), and 'Sort Action' (Keep existing order). There is a 'Restore Default Color' button at the top right. At the bottom right, there are 'Cancel' and 'Save' buttons. Two arrows point from the text '*Optional Fields' to the 'Label Format' and 'Alternate Tabs' fields.

The Alternate Name and Alternate Tab fields are shown if you enable Alternate Button Names (see “Adjusting the Language Settings” for more information). Enter the button’s alternate name as you want it to appear when the operator presses  (**Language Toggle**).



Press the **Restore Default Color** button to change the category color to the default.

2. Touch the text box next to the Button Name field to open the keypad. Enter the Button Name and then Press  (**Enter**).
3. Select the Label Format for all products in this category. Use ◀ and ▶ to scroll through the list of formats. See Appendix A, “Label Formats” for more information.

If the selected format is larger than the loaded supply, some information may not print.

4. Select the Left or Right printer to print the product labels for this category. This option does not appear for single printer models.

Note: If you want the operator to select which printer (Left or Right) to use when a product button is pressed, assign all categories to the same format and the same printer (left or right).

5. Touch the text box next to the Use By Description field. Enter the Use By Description then Press  (**Enter**). The Use by Description field has a default value (“MUST USE BY”). Press  to clear the field. Default values are shown in italicized, gray text. User modified values are shown in non-italicized, black text.



The screenshot shows a light blue background with the text "Use By Description" centered at the top. Below it is a white text input field containing the text "MUST USE BY" in gray, italicized font. To the right of the text in the field is a small gray square button with a white "x" icon. Below the input field is a virtual keyboard with four rows of keys. The first row contains keys for numbers 1-0 with corresponding letters q-p. The second row contains keys for symbols @, +, =, \$, %, &, *, (, and). The third row contains keys for arrow up, -, ", ' , ; , : , / , \ , n , m , and arrow left. The fourth row contains keys for 12?, ?, !, a space bar, a "Cancel" button, and an arrow right key.

6. Press **Save**.

Assigning a Label Format

You can select the label format for the category buttons. All products within a category must use the same label format. You must be in Edit Mode to assign a label format to a category.

1. While in Edit Mode, select the category button to assign a format. If that category is not active, press the category button again.

Button Name:

Alternate Name:

Label Format: ← **Label Format Selector**

Printer: ☒ Left ☐ Right

Use By Description:

Prep Description:

Ready Description:

Tab Names: 1 2 3
4 5 6

Alternate Tabs: 1 2 3
4 5 6

Sort Action:

2. Select the Label Format for all products in this category. Use ◀ and ▶ to scroll through the list of formats. See Appendix A, “Label Formats” for more information.

If the selected format is larger than the loaded supply, some information may not print.

Note: If you want the operator to select which printer (Left or Right) to use when a product button is pressed, assign all categories to the same format and the same printer (left or right).

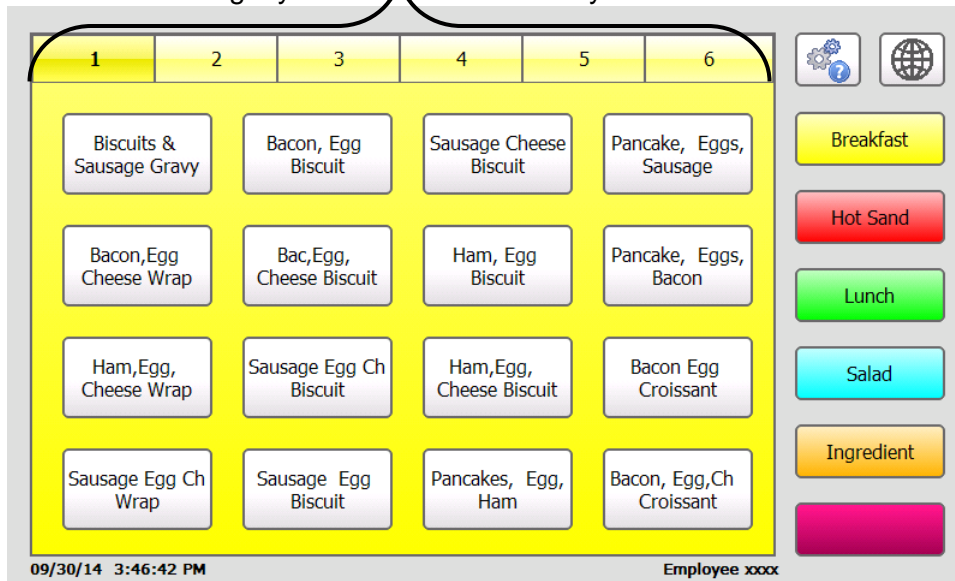
3. Press **Save**.

Editing Tab Names

You can change the names of the product button tabs. You must be in Edit Mode to edit product button tabs.

Tabs

1. Select the category button for the tabs you want to edit. You may have to press the category



button up to three times to open the editing screen.

2. Touch one of the Tab Name buttons. The keypad opens.

Button Name:

Alternate Name:

Label Format:

Printer: ☒ Left ☐ Right

Use By Description:


Prep Description:

Ready Description:

Tab Names:

Alternate Tabs:

Sort Action:

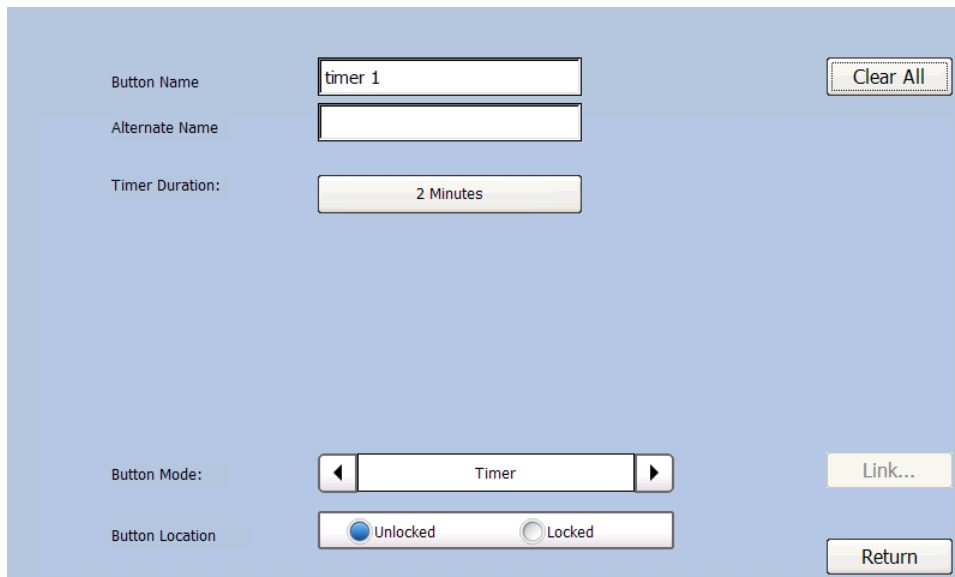
3. Enter the Tab Name you want then Press  (Enter).

4. Press **Save**.


Adding Timers

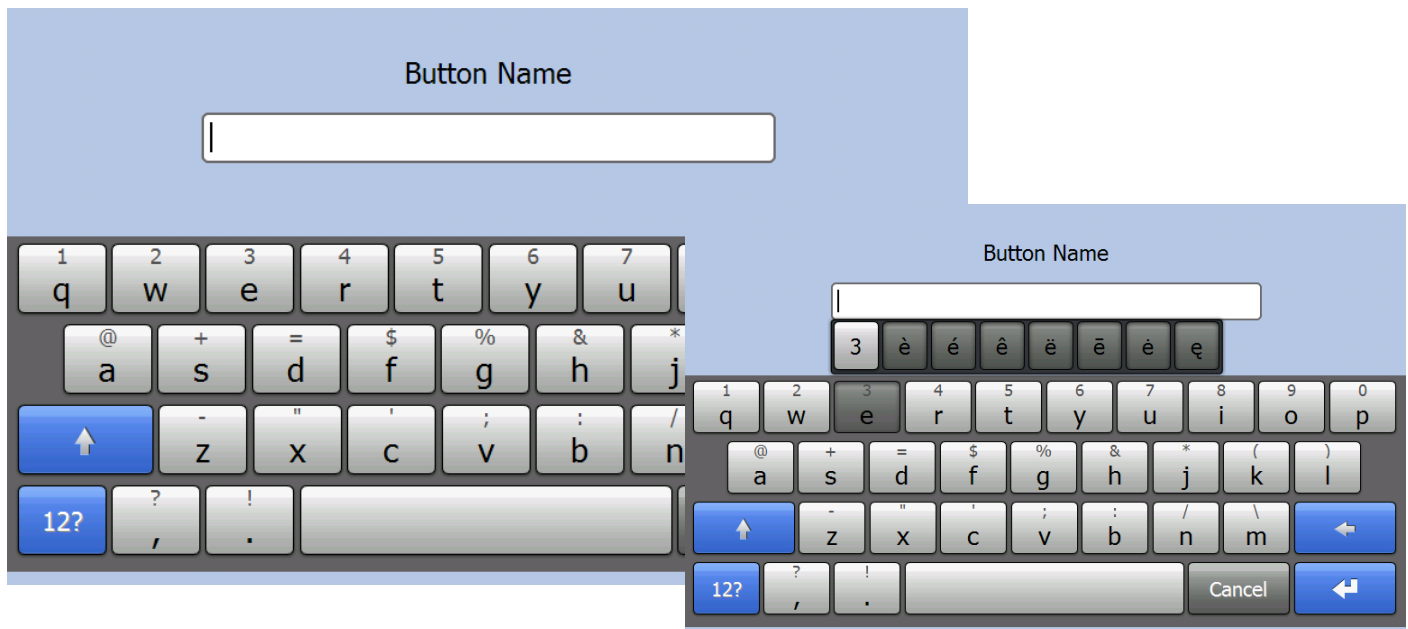
You must be in Edit Mode to create timers.

1. Press any empty product button.
2. Select **Timer** or **Label & Timer** as the Button Mode.



The screenshot shows a configuration form for a timer. It has a light blue background. At the top left, there are three input fields: 'Button Name' with the text 'timer 1', 'Alternate Name' which is empty, and 'Timer Duration' with the text '2 Minutes'. To the right of these fields is a 'Clear All' button. Below these fields, there is a 'Button Mode' section with a dropdown menu currently set to 'Timer', and a 'Link...' button to its right. At the bottom left, there is a 'Button Location' section with two radio buttons: 'Unlocked' (which is selected) and 'Locked'. To the right of these radio buttons is a 'Return' button.

3. Enter the Button Name. Touch the text box next to each field to open the keypad. Press and hold a key to use symbols and accented characters. Press  (**Enter**).



4. Touch the text box next to the Time Duration field.

The screenshot shows a configuration screen with a light blue background. It contains several input fields and buttons. At the top, there is a 'Button Name' field with 'timer 1' entered, an empty 'Alternate Name' field, and a 'Timer Duration' field showing '2 Minutes'. To the right of these fields is a 'Clear All' button. Below these, there is a 'Button Mode' section with a dropdown menu currently set to 'Timer', and a 'Button Location' section with two radio buttons: 'Unlocked' (which is selected) and 'Locked'. To the right of these are 'Link...' and 'Return' buttons.

5. Use ◀ and ▶ to set the timer's expiration time in Hours, Minutes, and Seconds.

The screenshot shows a dialog box titled 'Timer Duration' with a light blue background. It contains three rows of spinners for setting the time. The first row is for 'Hours' with a value of '0'. The second row is for 'Minutes' with a value of '30'. The third row is for 'Seconds' with a value of '00'. Each spinner has left and right arrow buttons. To the right of the spinners are 'Cancel' and 'OK' buttons.

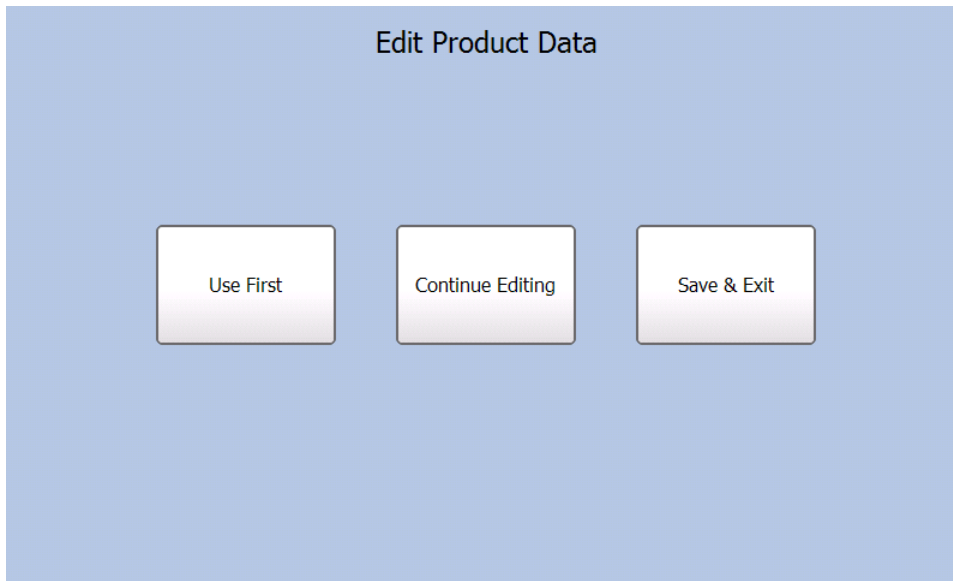
6. Press **OK**.
7. Press **Save**. The new timer button appears.

If the button is a label & timer button, when the user presses the button, the label quantity screen opens. After entering the quantity of labels to print, the labels print and the timer starts.

Exiting Edit Mode

To exit Edit Mode:

1. Press  (**Tools**).



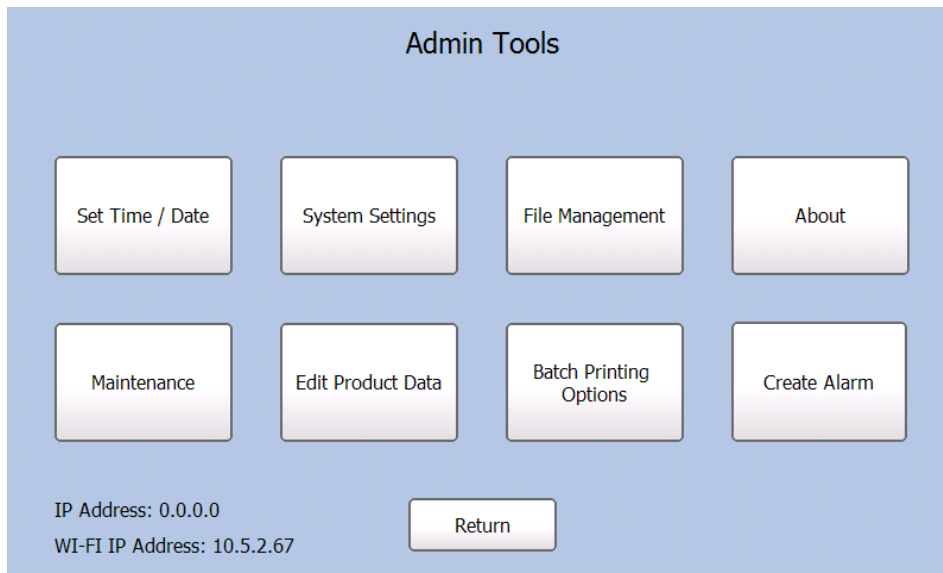
2. Press **Save & Exit** to save all changes and return to the Product screen.
Or, press **Continue Editing** to remain in Edit Mode and make additional changes.

This chapter explains how to create, edit and delete batches. A batch is a group of labels that print at one time. Many items can be added to a single batch. If you always print a certain number of labels per day for particular products, create a batch for them.

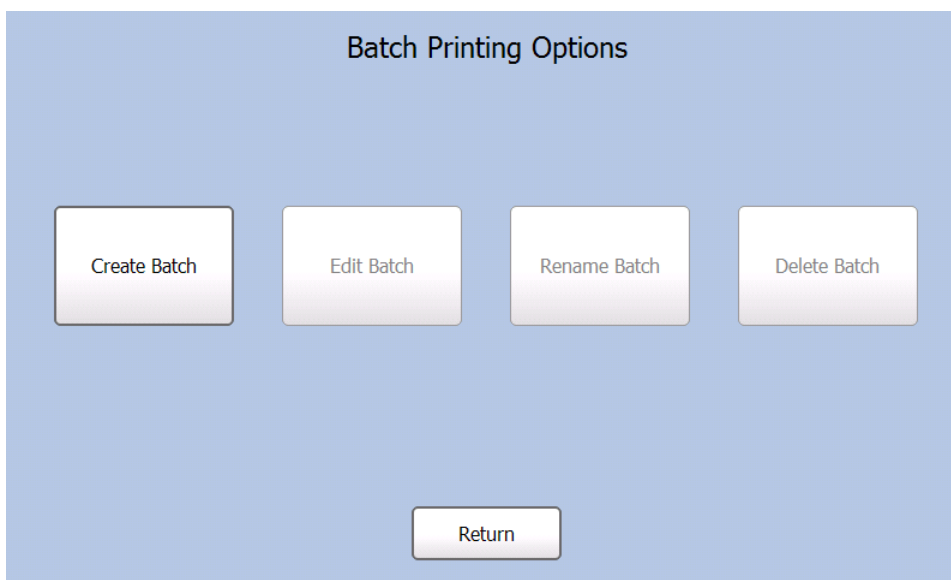
Note: If a product button's data is edited **after** it was added to a batch, the new data **does not** appear in the batch until you remove that item from the batch and re-add it. Batches are a snapshot in time – buttons in a batch will not automatically update.

Creating a Batch

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.




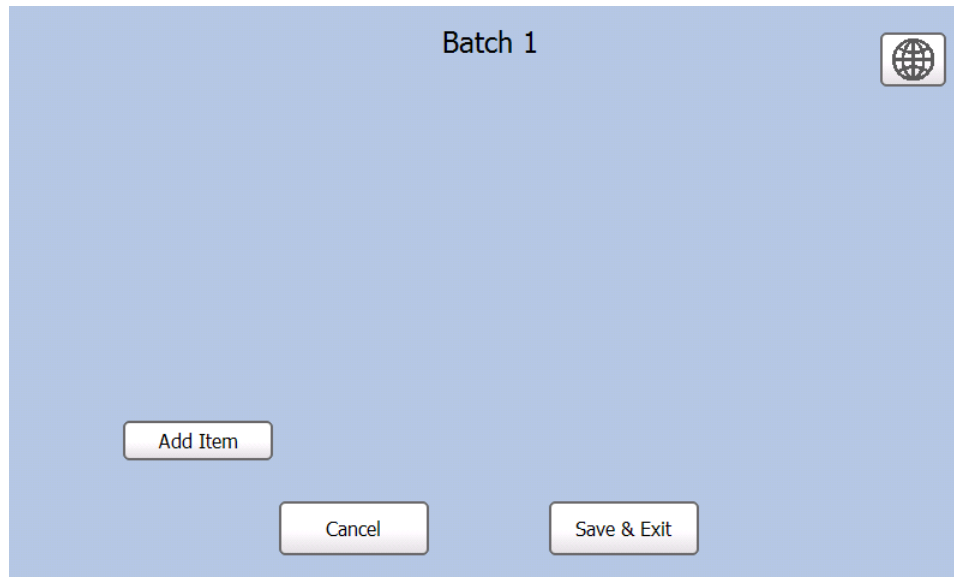
4. Press **Batch Printing Options**.



5. Press **Create Batch**.




6. Fill in the New Batch Name field. Press  (**Enter**).
You cannot have more than one batch with the same name.



7. Press **Add Item** to add an item to the batch.

8. Click on the item's Product Button to add it to the batch.

Note: If a product button's data is edited **after** it was added to a batch, the new data **does not** appear in the batch until you remove that item from the batch and re-add it.
Batches are a snapshot in time – buttons in a batch will not automatically update.

Select the number of labels to print for that batch item then press  (**Enter**).

9. Continue adding items to the batch as necessary.

The screenshot shows a window titled "Batch 1" with a globe icon in the top right corner. It contains a list of items with their quantities and delete buttons:

Item	Quantity	Action
Biscuits & Sausage Gravy	3	Delete
Hamburger	1	Delete
Broccoli, Cheese Bites	5	Delete

At the bottom of the window, there are three buttons: "Add Item", "Cancel", and "Save & Exit".

10. When you are finished adding items to the batch press **Save & Exit** or press **Cancel** to delete the batch.

Editing a Batch

If a product button's data is edited **after** it was added to a batch, the new data **does not** appear in the batch until you remove that item from the batch and re-add it.

Batches are a snapshot in time – buttons in a batch will not automatically update

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.
4. Press **Batch Printing Options**.

The screenshot shows a window titled "Batch Printing Options" with four buttons arranged horizontally: "Create Batch", "Edit Batch", "Rename Batch", and "Delete Batch". At the bottom center, there is a "Return" button.

5. Press **Edit Batch**.
6. Select the batch to edit.

7. Press **Add Item** to add more items to the batch.
Use ◀ and ▶ next to an item quantity to change the number of labels that print for that item.
Press **Delete** to remove that item from the batch.

The screenshot shows a software interface titled "Batch 1" with a globe icon in the top right corner. It contains a table of items with their quantities and delete buttons:

Item	Quantity	Action
Biscuits & Sausage Gravy	3	Delete
Hamburger	1	Delete
Broccoli, Cheese Bites	5	Delete

At the bottom of the interface, there are three buttons: "Add Item", "Cancel", and "Save & Exit".

8. Press **Save & Exit** or press **Cancel** to delete the batch.

Renaming a Batch

You cannot have more than one batch with the same name.

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.
4. Press **Batch Printing Options**.
5. Press **Rename Batch**.
6. Select the batch to rename.
7. Enter the new batch name then Press  (**Enter**).

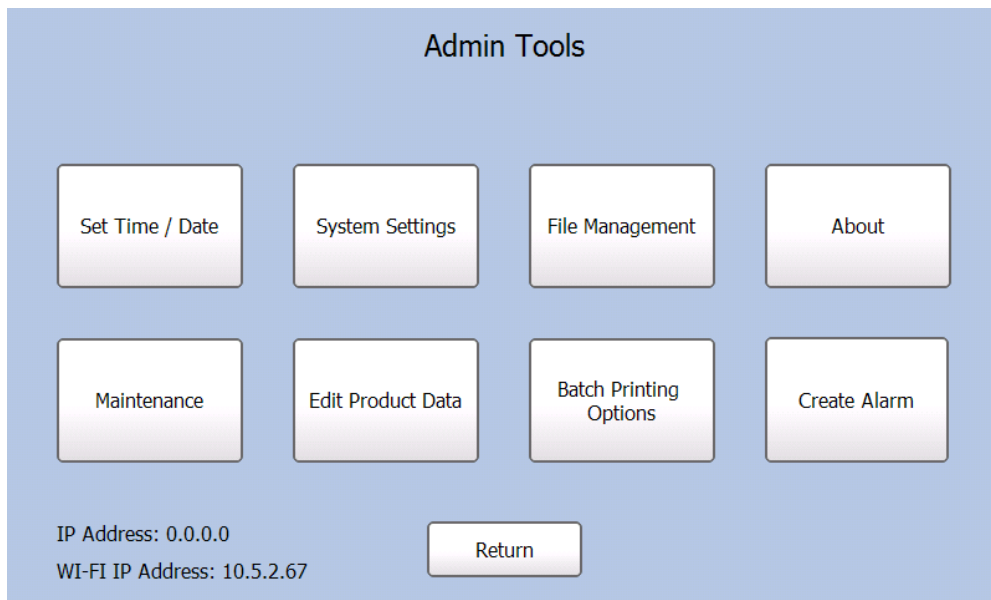
Deleting a Batch

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.
4. Press **Batch Printing Options**.
5. Press **Delete Batch**.
6. Select the batch to delete.
7. Select **Yes** to delete the batch.

This chapter explains how to create, edit and delete alarms. Alarms have a customized name and schedule. When an alarm goes off the name of the alarm is shown on the screen and the printer makes a sound. The printer continues to sound until someone acknowledges the alarm.

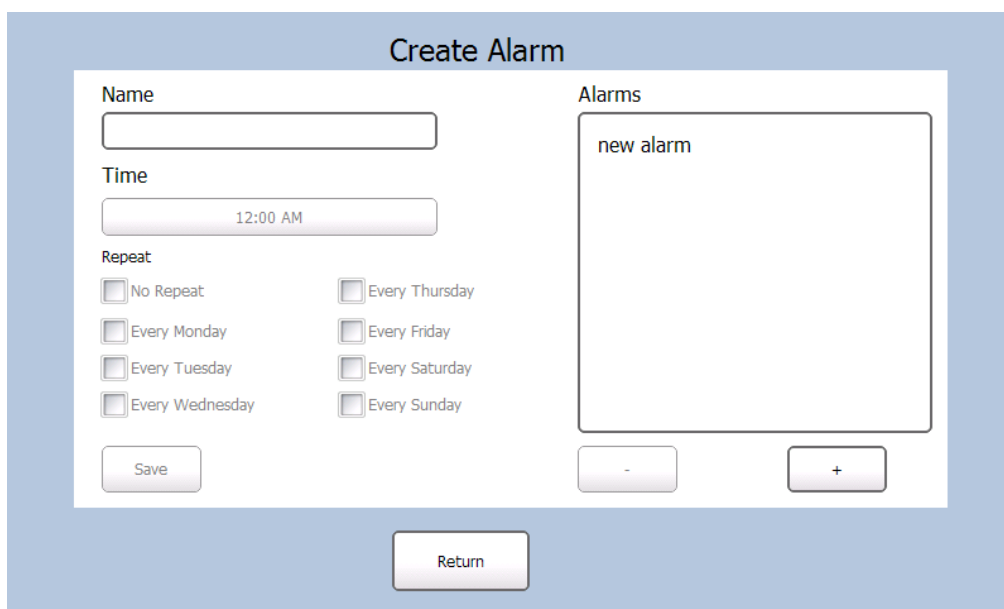
Adding an Alarm

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.



The Admin Tools screen has a light blue background. At the top, it says "Admin Tools". Below this, there are eight white buttons with black text arranged in two rows of four. The first row contains "Set Time / Date", "System Settings", "File Management", and "About". The second row contains "Maintenance", "Edit Product Data", "Batch Printing Options", and "Create Alarm". At the bottom left, it displays "IP Address: 0.0.0.0" and "WI-FI IP Address: 10.5.2.67". At the bottom center, there is a "Return" button.

4. Press **Create Alarm**.
5. Press the  button to add a new alarm.



The Create Alarm screen has a light blue background. At the top, it says "Create Alarm". Below this, there is a white form area. On the left side of the form, there are fields for "Name" (a text input box) and "Time" (a time selection box showing "12:00 AM"). Below these are "Repeat" options with checkboxes for "No Repeat", "Every Monday", "Every Tuesday", "Every Wednesday", "Every Thursday", "Every Friday", "Every Saturday", and "Every Sunday". At the bottom left of the form is a "Save" button. On the right side of the form, there is a box labeled "Alarms" containing the text "new alarm". Below this box are two buttons: a "-" button and a "+" button. At the bottom center of the screen, there is a "Return" button.

6. Enter the Alarm Name.

Create Alarm

Name

Alarm Name

Time

12:00 AM

Repeat

☐ No Repeat

☒ Every Monday

☒ Every Tuesday

☒ Every Wednesday

☒ Every Thursday

☒ Every Friday

☒ Every Saturday

☒ Every Sunday

Save

Alarms

new alarm

-

+

Return

7. Select the Time. This is the time of day you want the alarm to sound.

Alarm Time

Hours

◀

11

▶

Minutes

◀

10

▶

AM

Cancel

OK

8. Select the alarm repeat. Select No Repeat for the alarm to sound one time. Select the day(s) of the week for the alarm to sound at the specified time every selected day.

Create Alarm

Name

Alarm Name

Time

11:10 AM

Repeat

☒ No Repeat

☐ Every Thursday

☐ Every Monday

☐ Every Friday

☐ Every Tuesday

☐ Every Saturday

☐ Every Wednesday

☐ Every Sunday

Save

Alarms

new alarm

-

+

Return

Create Alarm

Name

Alarm Name

Time

11:10 AM

Repeat

☐ No Repeat

☒ Every Thursday

☒ Every Monday

☒ Every Friday

☒ Every Tuesday

☒ Every Saturday

☒ Every Wednesday

☒ Every Sunday

Save

Alarms

new alarm

-

+

Return

9. Press **Save**. The alarm is added to the list in the box.

Create Alarm

Name
Alarm Name

Time
11:10 AM

Repeat

<input type="checkbox"/> No Repeat	<input checked="" type="checkbox"/> Every Thursday
<input checked="" type="checkbox"/> Every Monday	<input checked="" type="checkbox"/> Every Friday
<input checked="" type="checkbox"/> Every Tuesday	<input checked="" type="checkbox"/> Every Saturday
<input checked="" type="checkbox"/> Every Wednesday	<input checked="" type="checkbox"/> Every Sunday

Save

Alarms

new alarm

Alarm Name

- +

Return

Editing an Alarm

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.

Admin Tools

Set Time / Date

System Settings

File Management

About

Maintenance

Edit Product Data

Batch Printing Options

Create Alarm

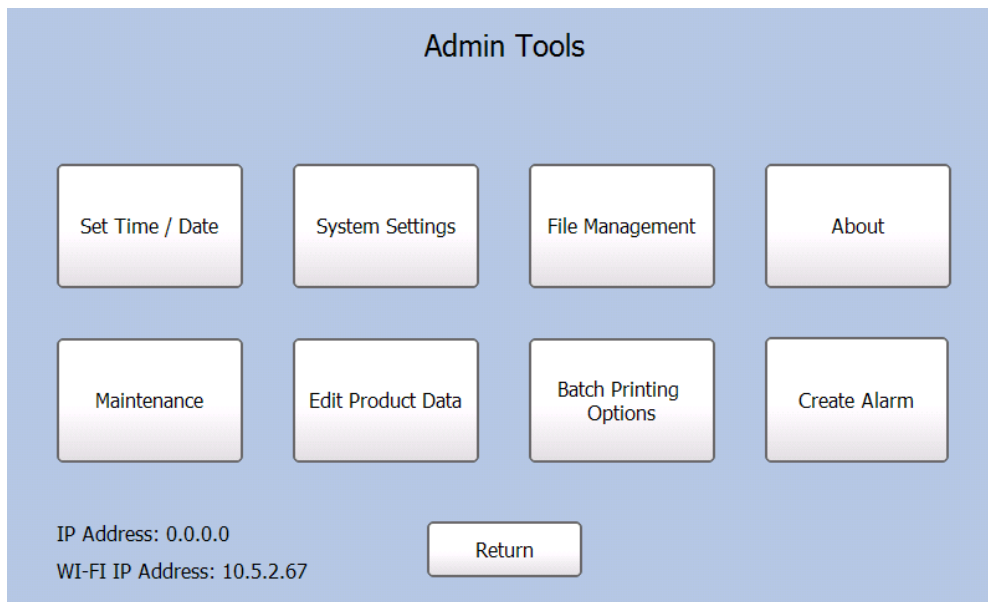
IP Address: 0.0.0.0
WI-FI IP Address: 10.5.2.67


Return

4. Press **Create Alarm**.
5. Select the alarm to edit.
6. Adjust the time and/or alarm repeat schedule.
7. Press **Save**.

Deleting an Alarm

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password then Press  (**Enter**). The default password is **1234**.



4. Press **Create Alarm**.
5. Select the alarm to delete.
6. Press the  button to delete the alarm.

UPDATING THE PRINTER

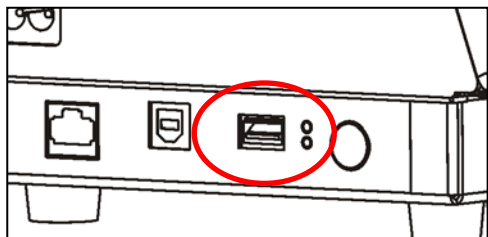
7

This chapter explains how to update the product data file, the FreshMarx application, formats, videos, or documents.

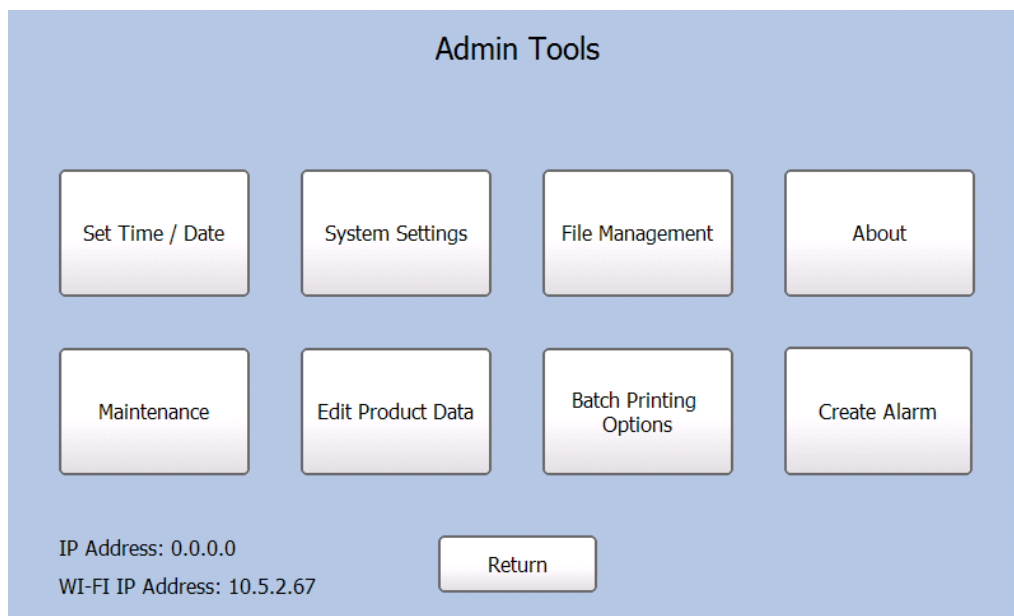
Updating Your Product Data File via USB

You can use a USB Flash Drive to transfer your updated product data file from your PC to your printer. Save your data file in the root directory on a USB Flash Drive.

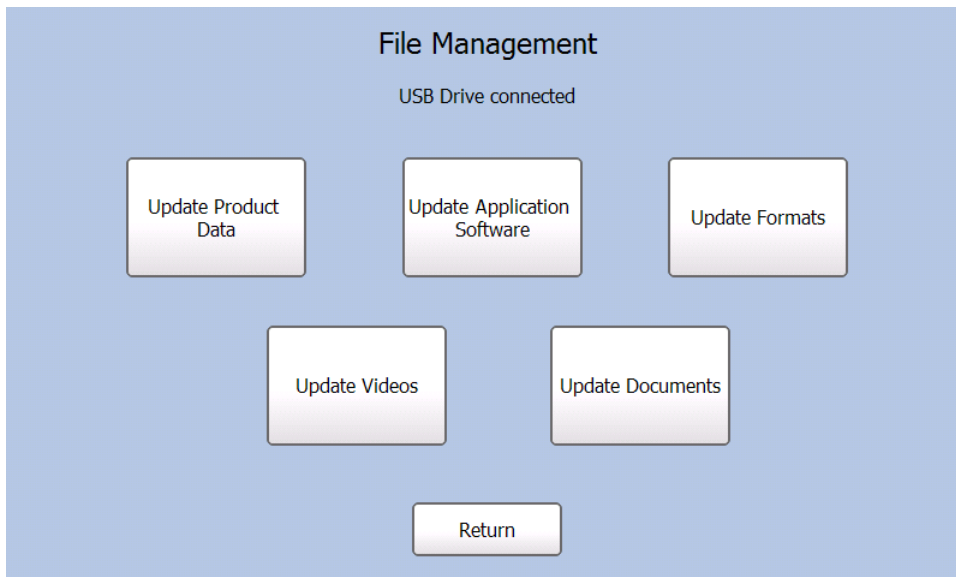
1. Plug the USB Flash Drive into the USB port on the side of the printer.



2. Press the **Tools**  button.
3. Press **Admin**.
4. Enter the Admin password then press  (**Enter**). The default password is **1234**.



5. Press **File Management**.



6. Press **Update Product Data** to update the data files.

If you have more than one Product Data file stored on your USB Flash Drive, select the file you want to install then press **Copy to Printer**.

7. You see a progress bar while the file is loaded. Once the process is complete, you see the home screen.

8. Remove the USB Flash Drive.

Updating Your Application Software via USB

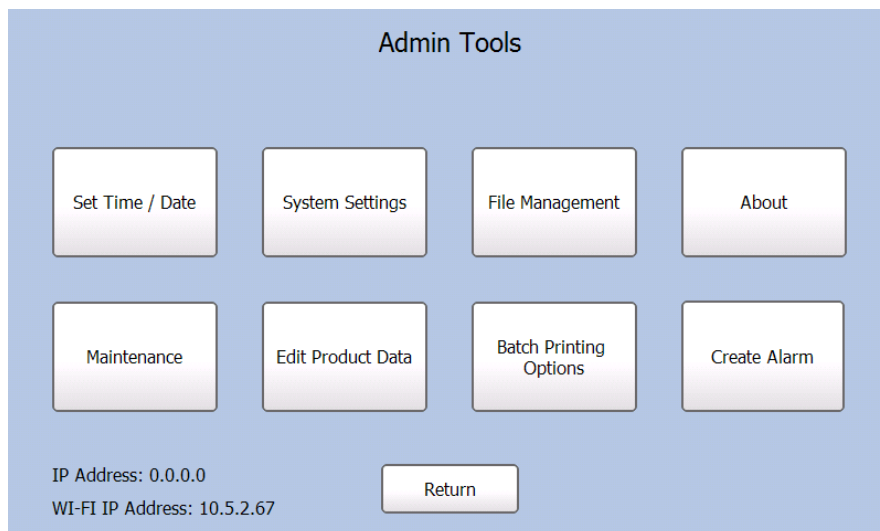
You can use a USB Flash Drive to transfer updated Application Software from your PC to your printer. Save the latest application in the root directory of a USB Flash Drive.

1. Plug the USB Flash Drive into the USB port on the side of the printer.

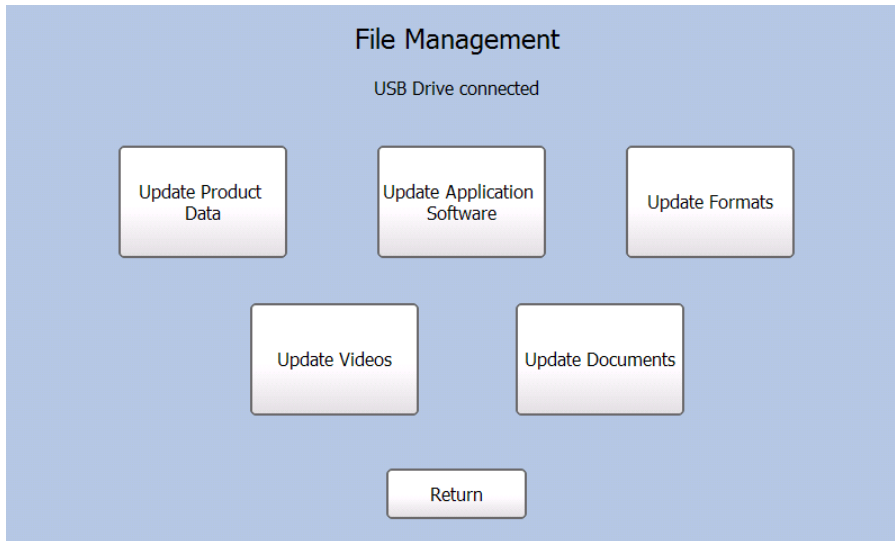
2. Press the **Tools**  button.

3. Press **Admin**.

4. Enter the Admin password then press  (**Enter**). The default password is **1234**.

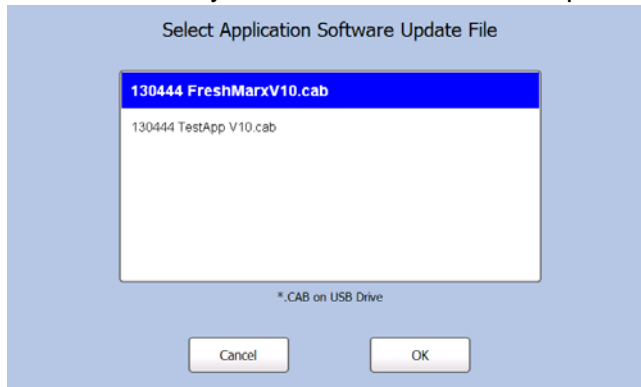


5. Press **File Management**.



6. Press **Update Application Software**.

If you have more than one Application Software file stored on your USB Flash Drive, select the file you want to install then press **OK**.



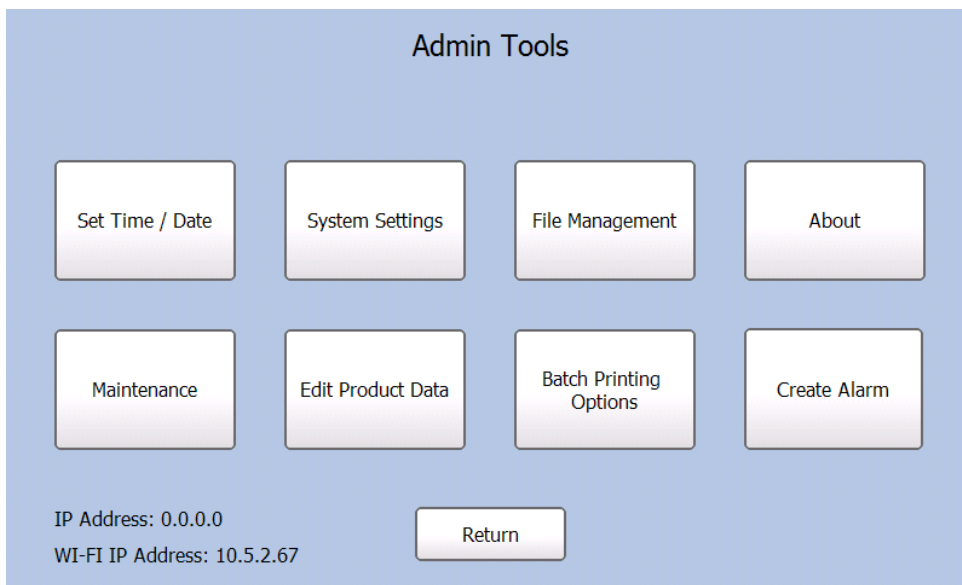
This may take several minutes. When the update is complete, the printer restarts.

7. Remove the USB Flash Drive.

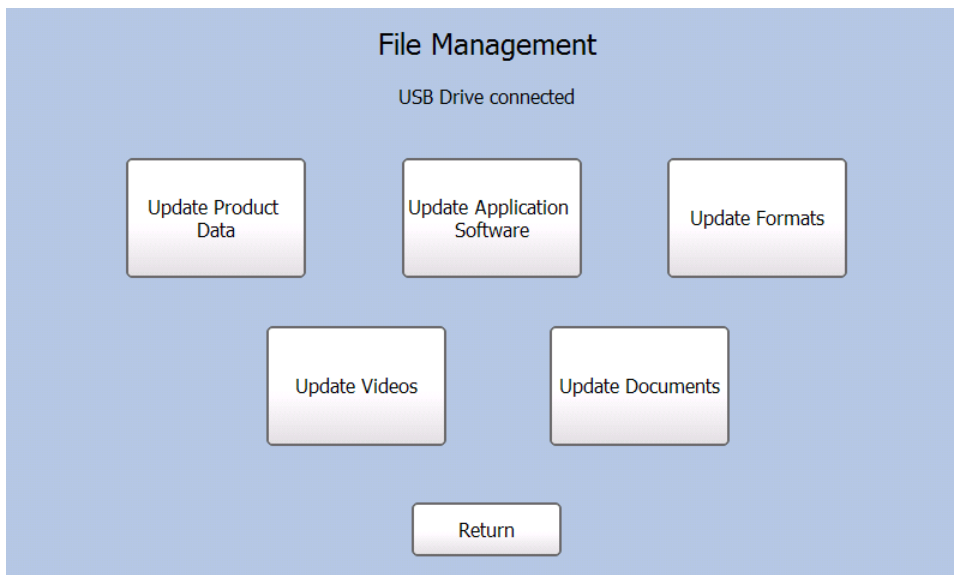
Updating Formats

You can use a USB Flash Drive to transfer custom label formats from your PC to your printer. You must have the .LNT file and a .XML file for the custom label format. The .LNT and .XML files must have the same name and must be saved in the root directory of a USB Flash Drive. To learn more about custom label formats, contact Avery Dennison.

1. Plug the USB Flash Drive into the USB port on the side of the printer.
2. Press the **Tools**  button.
3. Press **Admin**.
4. Enter the Admin password then press  (**Enter**). The default password is **1234**.

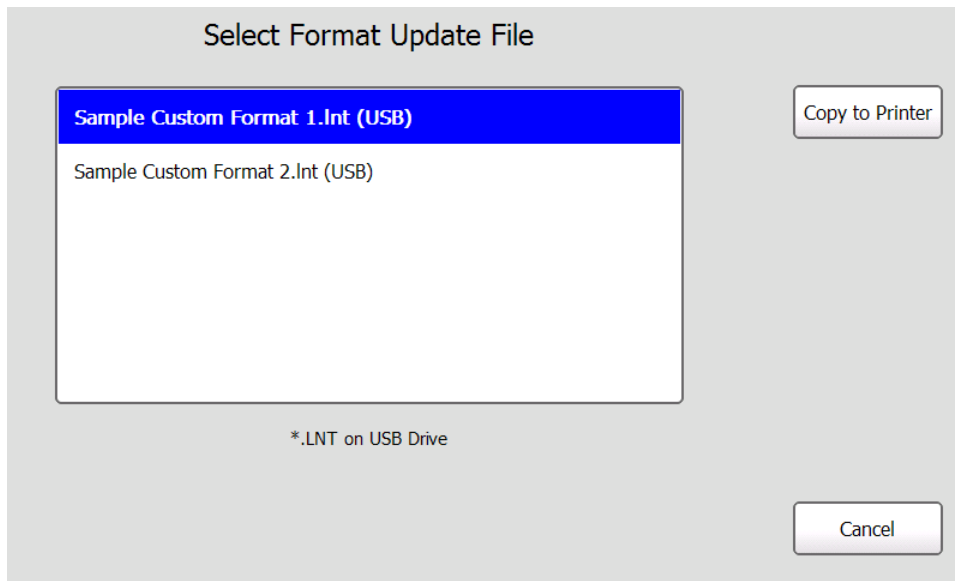


5. Press **File Management**.



6. Press **Update Formats**.

7. Select the custom label format (only LNT file is visible) to copy then press **Copy to Printer**.



Formats on your USB Flash Drive are indicated by (USB) after the file name. Formats already on your printer are listed without (USB).

8. Remove the USB Flash Drive.

Updating Videos

You can use a USB Flash Drive to transfer videos from your PC to your printer. Save the videos in the root directory of a USB Flash Drive. Videos must meet the following specifications to play correctly on the 9417+ printer.

Supported Media/Video Specifications

The 9417+ printer supports the following media types:

- ◆ Video (AVI, DIVX, GVI)
- ◆ MPEG Movie (MPEG, MPG, MPV)
- ◆ MPEG-4 (MP4, MOV, 3GP, M4A, M4B, K3G, MQV)
- ◆ Matroska (MKV, MKA)

For optimum performance (optimal video compression and reduced file size), we recommend using MP4 file format.

Supported Video Codecs

Use one of the following codecs when converting video files.

- ◆ Xvid
- ◆ MPEG-4
- ◆ MPEG-1

Maximum Resolution

Set the video resolution to 800 x 480 for optimal viewing on the printer.

Video Bitrate

Use a bitrate up to 1500. Exceeding this bitrate will affect the playback of your videos.

Video Conversion

Videos must be converted before they are viewable on the 9417+ printer.

We recommend using this free conversion tool, *Any Video Converter*.

http://www.any-video-converter.com/products/for_video_free/

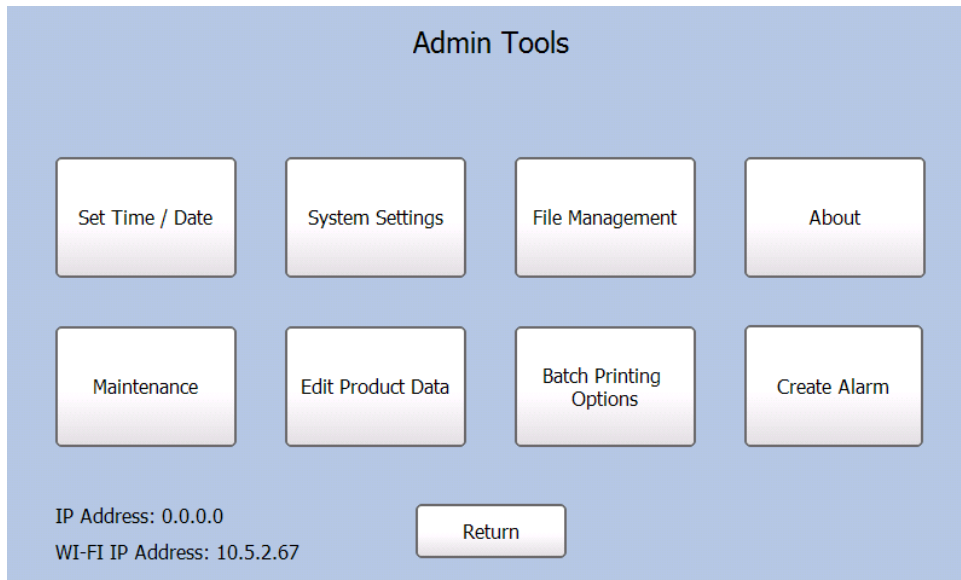
Using this conversion tool, follow these instructions:

1. For Video Format, select Customized AVI/Customized MP4/MPEG-1.
2. Change the resolution to 800 x 480 (or use 720 x 480 for MPEG-1).
3. For Video Options, select Xvid or MPEG-4. Use MPEG-1video if MPEG-1 is selected.
4. Convert the video.

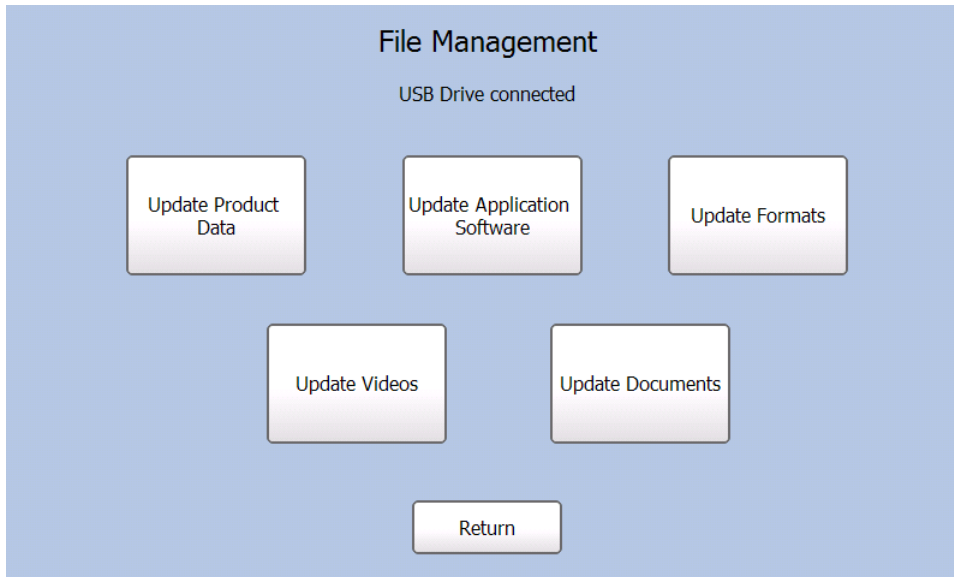
Transferring Videos to/from the Printer

To update video files on the printer:

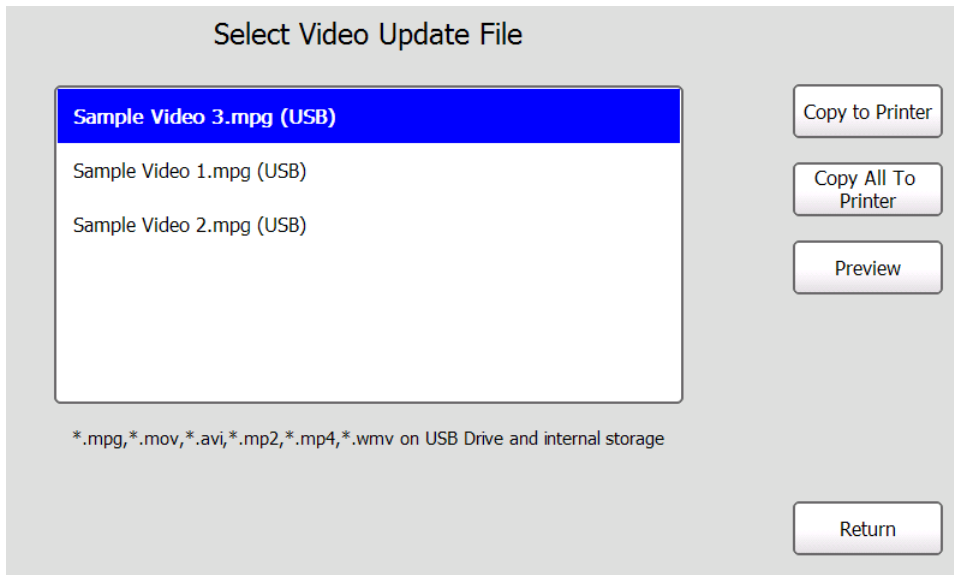
1. Plug the USB Flash Drive into the USB port on the side of the printer.
2. Press  (**Tools**).
3. Press **Admin**.
4. Enter the Admin password then press  (**Enter**). The default password is **1234**.



5. Press **File Management**.



6. Press **Update Videos**.



7. Select the video to copy then press **Copy to Printer**.

To copy all videos on your USB Flash Drive, press **Copy All to Printer**.

- ◆ Videos on your USB Flash Drive are indicated by (USB) after the file name. Videos already on your printer are listed without (USB).
- ◆ Press **Preview** to see a video before copying it to the printer.

8. Press **Return**.

9. Remove the USB Flash Drive.

Updating Documents

You can use a USB Flash Drive to transfer documents from your PC to your printer. Save the documents in the root directory of a USB Flash Drive.

Document Specifications

The 9417+ printer supports the following document types:

- ◆ .pdf
- ◆ .doc, .docx
- ◆ .xls, .xlsx
- ◆ .ppt, .pptx

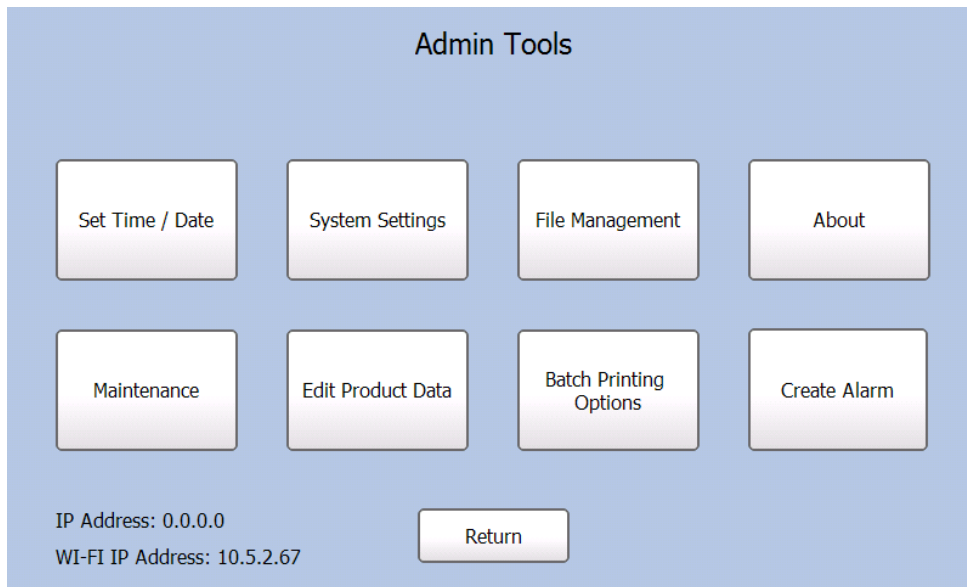
Viewable Document Guidelines

For optimal viewing of documents, keep these in mind:

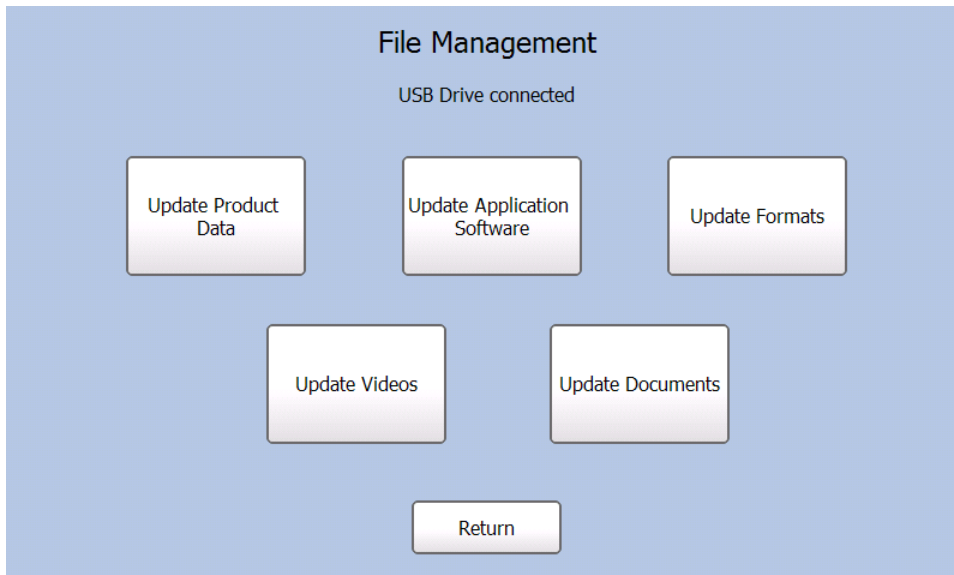
- ◆ Use a page size of 5.5 inches wide by 3.5 inches tall.
- ◆ Fonts appear best no smaller than 8 point size.
- ◆ Use a basic typeface such as Arial® or Times New Roman®.
- ◆ We do not recommend scaling larger page sizes to fit the 9417+ screen since fonts may not appear legibly.
- ◆ When using a filled / shaded background, lighter colors appear better. **A bold typeface increases readability.**
- ◆ **If using a dark filled / shaded background, use a bold typeface with a contrasting font color.**
- ◆ Use simple images/photos. Do not place text over images.
- ◆ Do not use a photograph as a background fill because the text may be hard to read.

Transferring Documents to/from the Printer

1. Plug the USB Flash Drive into the USB port on the side of the printer.
2. Press the **Tools**  button.
3. Press **Admin**.
4. Enter the Admin password then press  (**Enter**). The default password is **1234**.

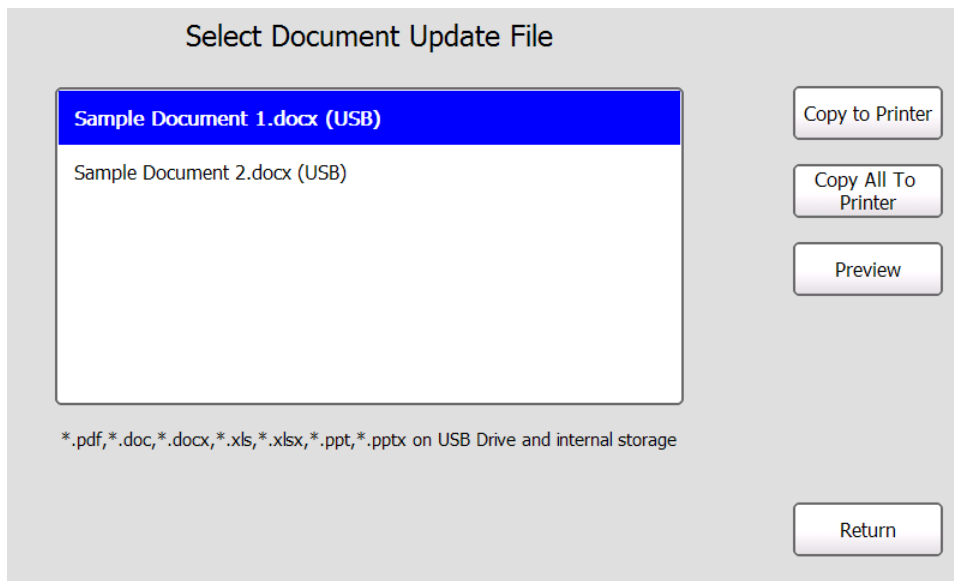


5. Press **File Management**.



6. Press **Update Documents**.

7. Select the document to copy then press **Copy to Printer**.
To copy all documents on your USB Flash Drive, press **Copy All to Printer**.



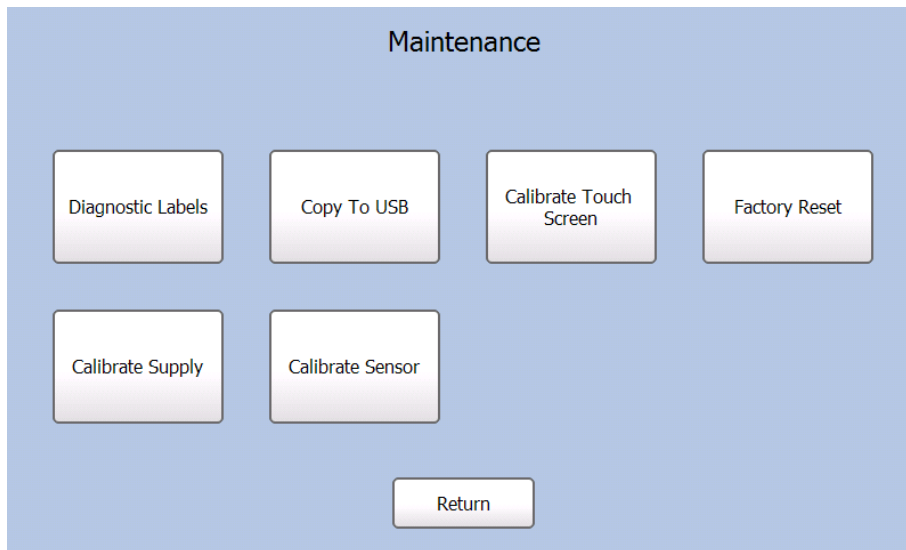
- ◆ Documents on your USB Flash Drive are indicated by (USB) after the file name. Documents already on your printer are listed without (USB).
 - ◆ Press **Preview** to see a document before copying it to the printer.
8. Press **Return**.
 9. Remove the USB Flash Drive.

Printing Diagnostic Labels

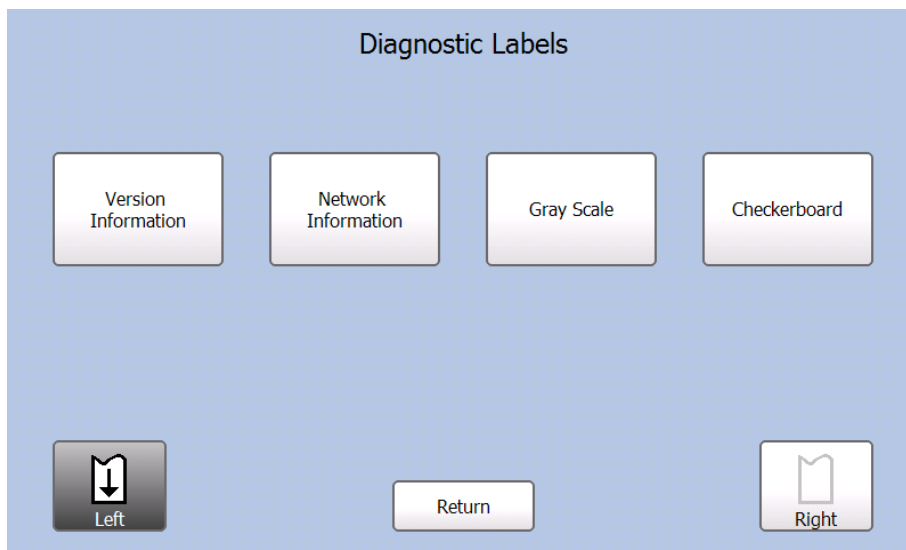
Several diagnostic labels are available: Version Information, Network Information, Gray Scale, and Checkerboard.

To print any of the diagnostic labels:

1. Press the **Tools**  button.
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234.
4. Press **Maintenance**.



5. Press **Diagnostic Labels**.



On a Dual Printer, Press the Left or Right toggle button to select which printer to use.

Version Information

The Version Information label shows:

- ◆ Printer model number
- ◆ Application part number
- ◆ Application version
- ◆ Core version
- ◆ Print engine version
- ◆ Board version

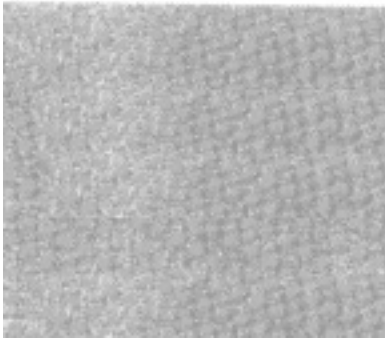
Network Information

The Network Information label shows:

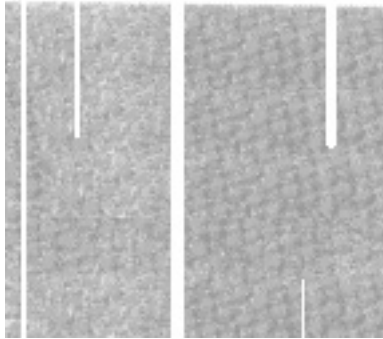
- ◆ Method for obtaining IP address
- ◆ IP address
- ◆ Subnet mask
- ◆ Gateway address
- ◆ MAC address.

Gray Scale

The gray scale test checks the uniformity of the printing. The printed sample should be uniformly gray across the supply. If you see voids, keep the sample and call Service.



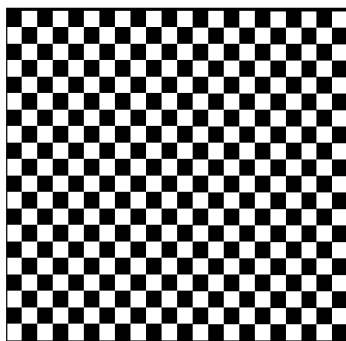
Sample



Sample with voids



Checkerboard

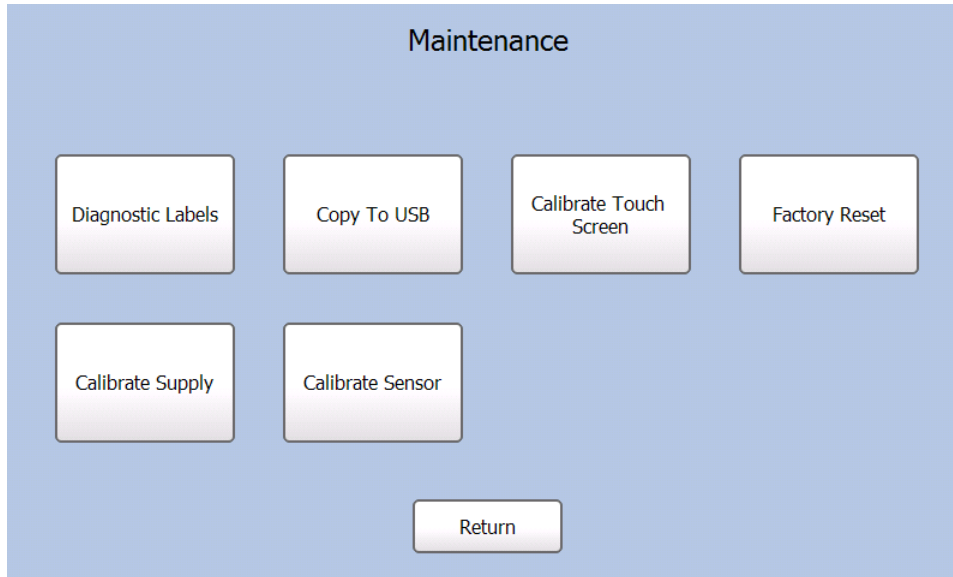
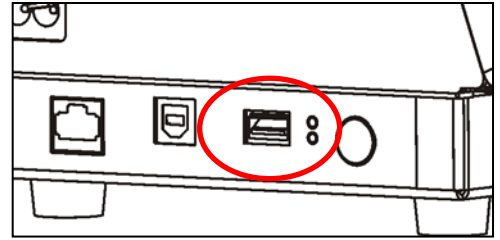
Prints a label to verify that the printhead strobes are working. If the printed sample has fewer lines or no lines, keep the sample and call Service.



Copying the Data File to a USB Flash Drive

You can copy the Product Data File from the printer to a USB Flash Drive.

1. Insert a USB Flash Drive into the port on the side of the printer.
2. Press  (**Tools**)..
3. Press **Admin**.
4. Enter the Admin password and press  (**Enter**). The default password is 1234.
5. Press **Maintenance**.

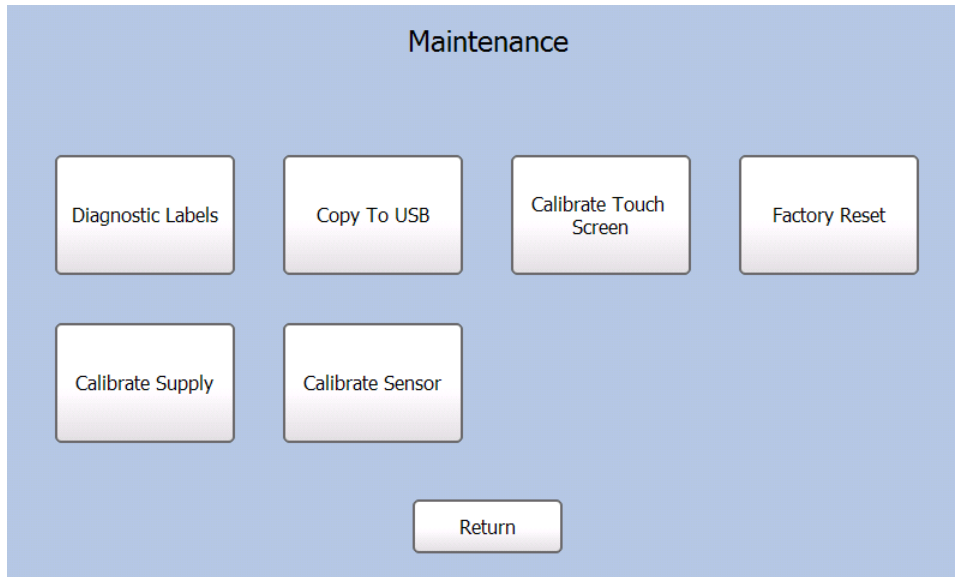


6. Press **Copy to USB**. You see a progress bar while the file copies. When the copy is complete, you see the Maintenance screen.

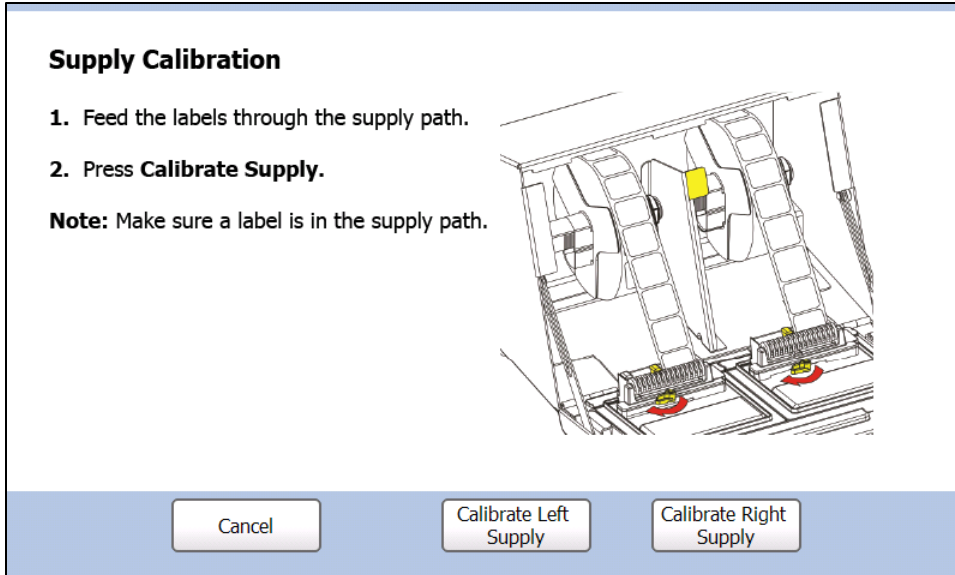
Calibrating the Supply

You can calibrate the supply if your printer skips labels or prints off the label.

1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234.
4. Press **Maintenance**.



5. Press **Calibrate Supply**.

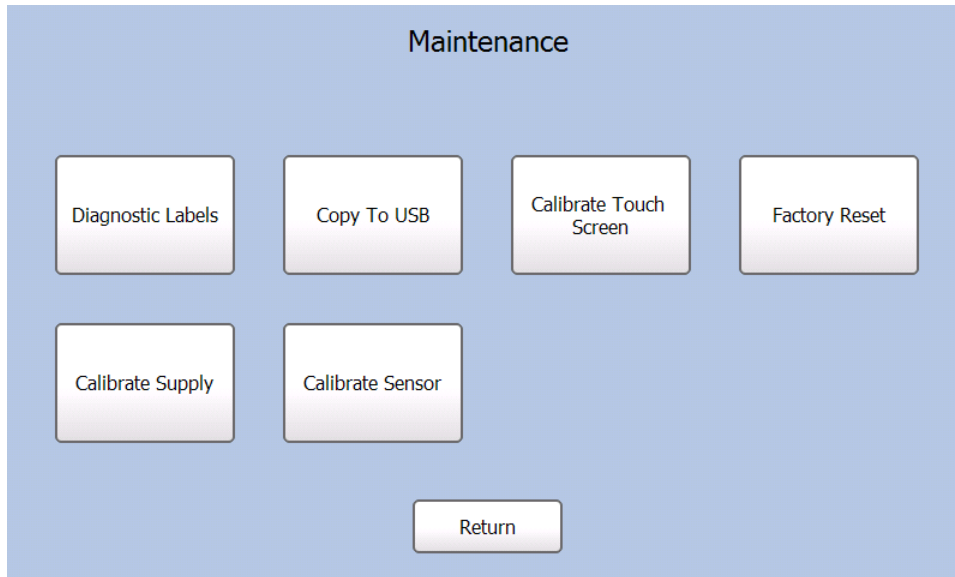


6. Load supply then press **Calibrate Left Supply** or **Calibrate Right Supply** for the printer you want to use. The printer feeds a few labels.

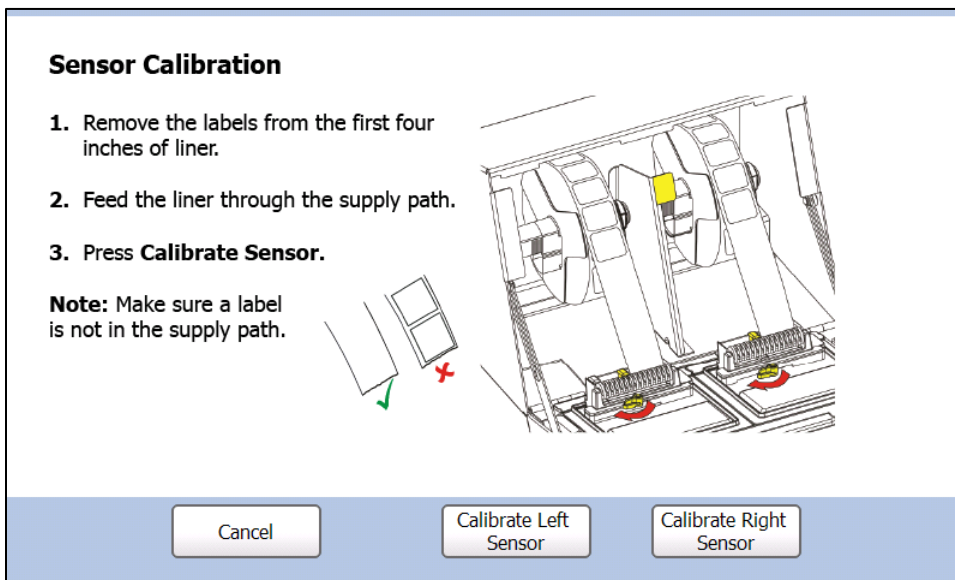
Calibrating the Sensor

You need to calibrate the sensor if your printer skips labels or prints off the label.

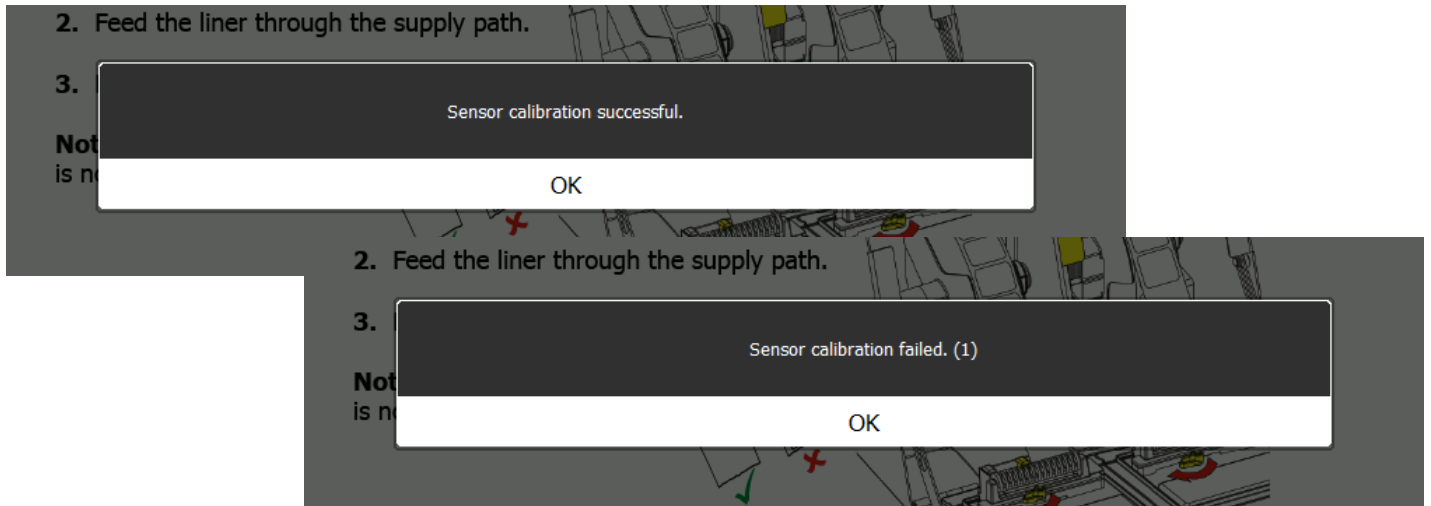
1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234.
4. Press **Maintenance**.



5. Press **Calibrate Sensor**.
6. Follow the on-screen instructions to properly load supply for sensor calibration.



7. Press **Calibrate Left Sensor** or **Calibrate Right Sensor**.



A popup message appears to tell you if the calibration was successful. If calibration failed, make sure that only the liner is in the supply path and try the calibration again.

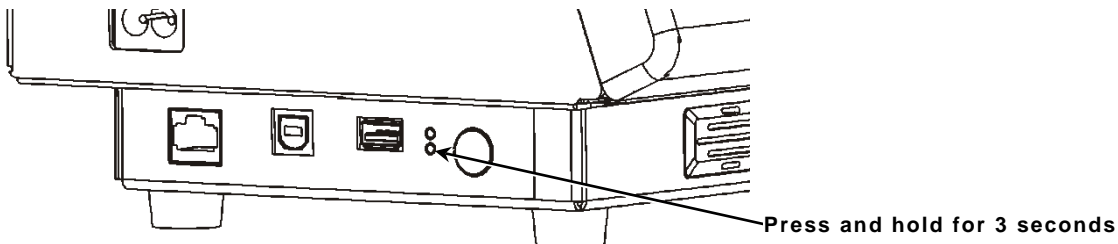
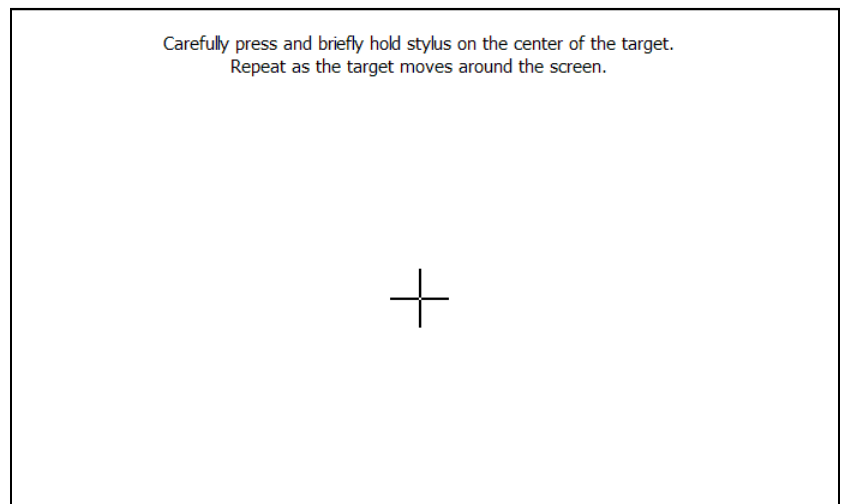
Calibrating the Touch Screen

Calibrate the touch screen so the buttons respond correctly when pressed. You are prompted to do this the first time you turn the printer on after receiving it and after you update the printer's Application Software. Follow the on-screen instructions to calibrate the touch screen. The application runs automatically when you are finished.

Only touch the screen in the center of the crosshair; make sure nothing touches any other part of the screen during calibration.

You can also calibrate the touch screen if it does not correctly respond to touch.

Use a paperclip to press and hold the button shown. Then follow the on-screen instructions to calibrate the touch screen



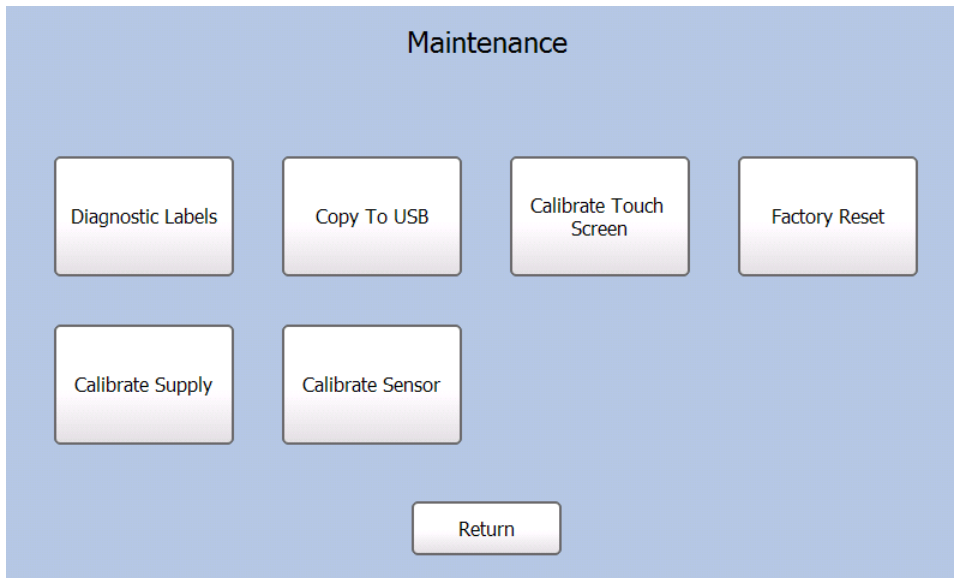
Performing a Factory Reset

Use Factory Reset to delete all data files from the printer. Data files include the product button information, password, and printer configuration settings.

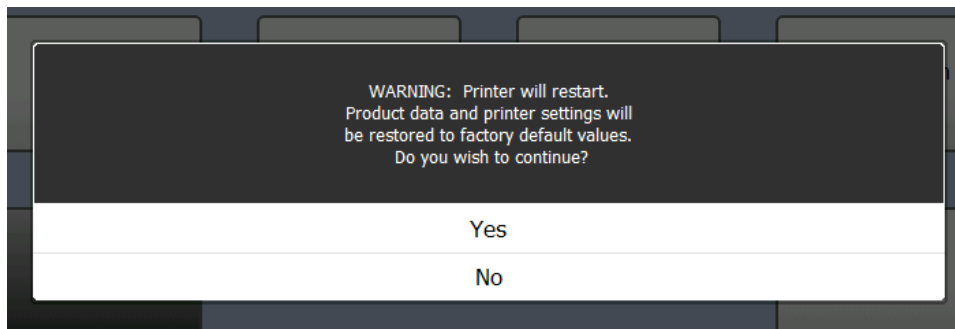
It may be necessary to delete data files when there are errors in the current data files.

Before deleting the printer's data files, you may want to copy the Product Data file to a USB Flash Drive. See "Copying the Data File to a USB Flash Drive" for more information.

1. Press  (**Tools**).
2. Press **Admin**.
3. Enter the Admin password and press  (**Enter**). The default password is 1234.
4. Press **Maintenance**.



5. Press **Factory Reset**. A warning message appears.



6. Press **Yes** to delete all data files. The printer deletes all data files and loads the default data files. The printer restarts. Press **No** to cancel.

Note: All data files are deleted when you select **Yes**; *they cannot be recovered*. You cannot select a specific file to delete.

LABEL FORMATS

A

This appendix shows a sample of each label format.

Note: If an asterisk (*) prints after the time or date, the label was reprinted using the original expiration time or date. See “Setting the Options” for more information.

Format 1

Prints 1.2” wide x 1.1” long labels.

```
Description 1
Description 2
Description 3
PREP          EMPL
MM/DD/YY HH:MM:PM
MUST USE BY
HH:MM:PM
MM/DD/YY
```

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 17 characters.
<i>Description 2</i>	Prints up to 17 characters.
<i>Description 3</i>	Prints up to 17 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

The employee ID number does not print if Employee Login is not enabled.

Format 2

Prints 1.2” wide x 1.1” long labels.

```
Description 1
Description 2
PREP          EMPL
MM/DD/YY HH:MM:PM
READY
MM/DD/YY HH:MM:PM
MUST USE BY
MM/DD/YY HH:MM:PM
```

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 17 characters.
<i>Description 2</i>	Prints up to 17 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Ready</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

The employee ID number does not print if Employee Login is not enabled.

Format 3

Prints 2.2" wide x 1.1" long labels.

Description 1		
Description 2		
MM/DD/YY	PREP	EMPL
		HH:MM:PM
MUST USE BY		
MM/DD/YY		HH:MM:PM

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 35 characters.
<i>Description 2</i>	Prints up to 35 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

The employee ID number does not print if Employee Login is not enabled.

Format 4

Prints 2.2" wide x 1.5" long labels.

Description 1		
Description 2		
PREP	PREP	
MM/DD/YY	HH:MM:PM	
MUST USE BY	MUST USE BY	
MM/DD/YY	HH:MM:PM	EMPL


Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 25 characters.
<i>Description 2</i>	Prints up to 25 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

The employee ID number does not print if Employee Login is not enabled.

Format 5

Prints 2.2" wide x 1.5" long labels.

Description 1	
Description 2	
MM/DD/YY	PREP HH:MM:PM
MUST USE BY	
MM/DD/YY	HH:MM:PM
	

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 25 characters.
<i>Description 2</i>	Prints up to 25 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 6

Prints 2.2" wide x 3.0" long labels.

DAY OF WEEK	
ITEM: Description 1	
SHELF LIFE: Shelf Life	
PREP	
MM/DD/YY	HH:MM:PM
MUST USE BY	
MM/DD/YY	HH:MM:PM
EMPLOYEE: EMPL	

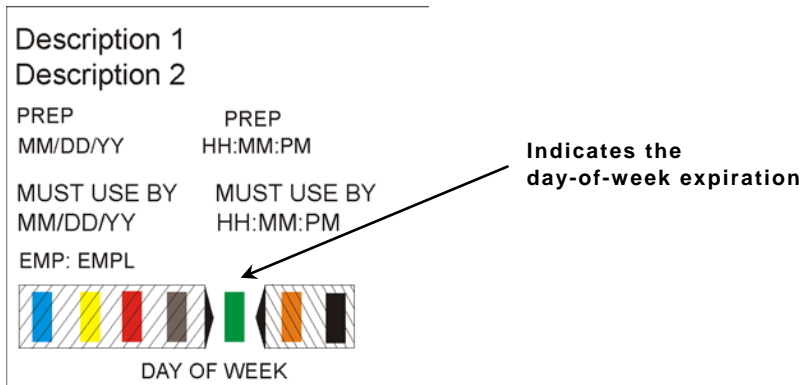
Enter the following information for each field:

Field	Description
<i>Description</i>	Prints up to 16 characters.
<i>Shelf Life</i>	Prints up to 13 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

The employee ID number does not print if Employee Login is not enabled.

Format 7

Prints 2.2" wide x 2.0" long labels.



Arrows point to the block that corresponds to the day-of-week expiration date while diagonal lines print through the color-coded boxes that do not apply.

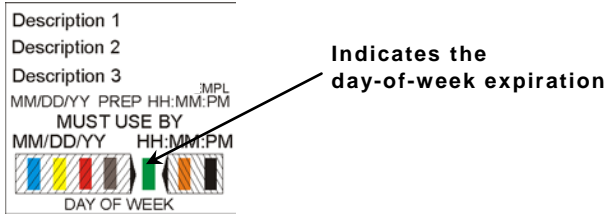
Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 15 characters.
<i>Description 2</i>	Prints up to 15 characters
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Blue</i>	Use by Monday.
<i>Yellow</i>	Use by Tuesday.
<i>Red</i>	Use by Wednesday.
<i>Brown</i>	Use by Thursday.
<i>Green</i>	Use by Friday.
<i>Orange</i>	Use by Saturday.
<i>Black</i>	Use by Sunday.

The employee ID number does not print if Employee Login is not enabled.

Format 8

Prints 1.2" wide x 1.1" long labels.



Arrows point to the block that corresponds to the day-of-week expiration date while diagonal lines print through the color-coded boxes that do not apply.

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 17 characters.
<i>Description 2</i>	Prints up to 17 characters.
<i>Description 3</i>	Prints up to 17 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Blue</i>	Use by Monday.
<i>Yellow</i>	Use by Tuesday.
<i>Red</i>	Use by Wednesday.
<i>Brown</i>	Use by Thursday.
<i>Green</i>	Use by Friday.
<i>Orange</i>	Use by Saturday.
<i>Black</i>	Use by Sunday.

The employee ID number does not print if Employee Login is not enabled.

Format 10

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Allergens</i>	Prints up to 50 characters.
<i>Prep</i>	Prints the date in MM/DD/YY format.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name

Description 1

Description 2

INGREDIENTS:

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PREP MM/DD/YY



MUST USE BY MM/DD/YY
Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 11

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Description 3</i>	Prints up to 23 characters.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs..

Store Name

Description 1

Description 2

Description 3

INGREDIENTS:

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MUST USE BY MM/DD/YY

Net Weight

Price

Format 12

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Ingredients	Prints up to 875 characters.
Must Use By	Prints the date in MM/DD/YY format.
Net Weight	Prints up to 8 characters.
Price	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs..

Store Name

Description 1

Description 2

INGREDIENTS:

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MUST USE BY MM/DD/YY

Net Weight

Price

Format 20

Prints 2.2" wide x 3.0" long labels.

Enter the following information for each field:

Field	Description
Description 1	Prints up to 23 characters.
Serving Size	Prints up to 25 characters.
Servings Per Container	Prints up to 10 characters.
Calories	Prints up to 6 characters: numbers 0-9 and period only.
Fat Calories	Prints up to 6 characters: numbers 0-9 and period only.
Total Fat (g & %)	Prints up to 6 characters: numbers 0-9 and period only.
Saturated Fat (g & %)	Prints up to 6 characters: numbers 0-9 and period only.
Trans Fat	Prints up to 6 characters: numbers 0-9 and period only.
Cholesterol (mg & %)	Prints up to 6 characters: numbers 0-9 and period only.
Sodium (mg & %)	Prints up to 6 characters: numbers 0-9 and period only.
Total Carbs (g & %)	Prints up to 6 characters: numbers 0-9 and period only.
Dietary Fiber (g & %)	Prints up to 6 characters: numbers 0-9 and period only.
Sugars (g)	Prints up to 6 characters: numbers 0-9 and period only.
Protein (g)	Prints up to 6 characters: numbers 0-9 and period only.
Vitamin A (%)	Prints up to 6 characters: numbers 0-9 and period only.
Vitamin C (%)	Prints up to 6 characters: numbers 0-9 and period only.
Iron (%)	Prints up to 6 characters: numbers 0-9 and period only.
Calcium (%)	Prints up to 6 characters: numbers 0-9 and period only.

Description 1

Nutrition Facts

Serving Size

Servings Per Container

Amount Per Serving

Calories	Calories from Fat
	% Daily Value *

Total Fat

Saturated Fat

Trans Fat

Cholesterol

Sodium

Total Carbohydrates

Dietary Fiber

Sugar

Protein

Vitamin A

*

Vitamin C

Calcium

*

Iron

* Percent Daily Values are based on a 2,000 Calorie diet. Your Daily Values may be higher or lower depending on your calorie needs.

Format 21

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Serving Size</i>	Prints up to 25 characters.
<i>Servings Per Container</i>	Prints up to 10 characters.
<i>Calories</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat Calories</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Trans Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Cholesterol (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Carbs (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Dietary Fiber (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Protein (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Vitamin A (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Vitamin C (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Iron (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Calcium (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs..
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name
Description 1
Description 2

Nutrition Facts
Serving Size
Servings Per Container


Amount Per Serving

Calories Calories from Fat
% Daily Value *

Total Fat
Saturated Fat
Trans Fat
Cholesterol
Sodium
Total Carbohydrates
Dietary Fiber
Sugar
Protein

Vitamin A * Vitamin C
Calcium * Iron

* Percent Daily Values are based on a 2,000
Calorie diet. Your Dail Values may be higher
or lower depending on your calorie needs.



0 12345 67891 2

MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1

ADDRESS LINE 2/PHONE NUMBER

Format 22

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Calories</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat Calories</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Trans Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Cholesterol (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Carbs (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Dietary Fiber (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Protein (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Vitamin A (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Vitamin C (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Iron (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Calcium (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Allergens</i>	Prints up to 50 characters.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name
 Description 1
 Description 2

Nutrition Facts	
Calories	Calories from Fat % Daily Value *
Total Fat	
Saturated Fat	
Trans Fat	
Cholesterol	
Sodium	
Total Carbohydrates	
Dietary Fiber	
Sugar	
Protein	
Vitamin A *	Vitamin C
Calcium *	Iron

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(ALLERGENS) Lorem ipsum dolor sit amet, consectetur



MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 23

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 23 characters.
<i>Serving Size</i>	Prints up to 23 characters.
<i>Servings per Container</i>	Prints up to 23 characters.
<i>Calories</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated Fat (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Trans Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Cholesterol (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium (mg & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Total Carbs (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Dietary Fiber (g & %)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Includes Added Sugars(g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Protein (g)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Vitamin D (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Calcium (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Iron (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Potassium (%)</i>	Prints up to 6 characters: numbers 0-9 and period only.

Description 1 Nutrition Facts

Servings Per Container

Serving size

Amount Per Serving

Calories

% Daily Value *

Total Fat

Saturated Fat

Trans Fat

Cholesterol

Sodium

Total Carbohydrates

Dietary Fiber

Total Sugars

Includes XXg Added Sugars

Protein

Vitamin D

Calcium

Iron

Potassium

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

Format 30

Prints 2.2” wide x 3.0” long labels.

Enter the following information for each field:

Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Each serving (XXg) contains	Prints up to 28 characters.
Energy (kJ and kcal)	Prints up to 6 characters: numbers 0-9 and period only..
Fat	Prints up to 6 characters: numbers 0-9 and period only.
of which saturates	Prints up to 6 characters: numbers 0-9 and period only.
Carbohydrate	Prints up to 6 characters: numbers 0-9 and period only.
of which sugars	Prints up to 6 characters: numbers 0-9 and period only.
Fibre	Prints up to 6 characters: numbers 0-9 and period only.
Protein	Prints up to 6 characters: numbers 0-9 and period only.
Salt	Prints up to 6 characters: numbers 0-9 and period only.

Store Name
Description 1
Description 2

Nutrition

Typical values	100g contains	Each serving (XX g) contains
Energy	kJ	kJ
Fat	kcal	kcal
of which saturates	g	g
Carbohydrate	g	g
of which sugars	g	g
Fibre	g	g
Protein	g	g
Salt	g	g

Format 31

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Each serving (XXg) contains</i>	Prints up to 28 characters.
<i>Energy (kJ and kcal)</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>of which saturates</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>of which sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fibre</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Salt</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Prep</i>	Prints the date in MM/DD/YY format.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name
 Description 1
 Description 2

Nutrition

Typical values	100g contains	Each serving (XX g) contains
Energy	kJ	kJ
	kcal	kcal
Fat	g	g
of which saturates	g	g
Carbohydrate	g	g
of which sugars	g	g
Fibre	g	g
Protein	g	g
Salt	g	g

Prep: MM/DD/YYYY

MUST USE BY MM/DD/YY
 Net Weight Price
 STORE ADDRESS LINE 1
 ADDRESS LINE 2/PHONE NUMBER

Format 32

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Each serving (XXg) contains</i>	Prints up to 28 characters.
<i>Energy (kJ and kcal)</i>	Prints up to 6 characters: numbers 0-9.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>of which saturates</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>of which sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fibre</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Salt</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Allergens</i>	Prints up to 50 characters.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name
Description 1
Description 2

Nutrition

Typical values	100g contains	Each serving (XX g) contains
Energy	kJ	kJ
	kcal	kcal
Fat	g	g
of which saturates	g	g
Carbohydrate	g	g
of which sugars	g	g
Fibre	g	g
Protein	g	g
Salt	g	g

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MUST USE BY MM/DD/YY

Net Weight
Price

STORE ADDRESS LINE 1
 ADDRESS LINE 2/PHONE NUMBER

Format 40

Prints 2.2" wide x 3.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Servings per pack</i>	Prints up to 10 characters.
<i>Serving Size</i>	Prints up to 25 characters.
<i>Energy</i>	Prints up to 6 characters: numbers 0-9 and period only..
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium</i>	Prints up to 6 characters: numbers 0-9 and period only.

Store Name

Description 1

Description 2

NUTRITION INFORMATION

Servings per pack

Serving Size

	Quantity per Serve	Quantity per 100g
Energy (kJ)	kJ	kJ
Protein (g)	g	g
Fat - Total (g)	g	g
-Saturated (g)	g	g
Carbohydrate - Total (g)	g	g
-Sugars (g)	g	g
Sodium (mg)	mg	mg

Format 41

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Servings per pack</i>	Prints up to 10 characters.
<i>Serving Size</i>	Prints up to 25 characters.
<i>Energy (kJ)</i>	Prints up to 6 characters: numbers 0-9.
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Prep</i>	Prints the date in MM/DD/YY format.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name

Description 1

Description 2

NUTRITION INFORMATION

Servings per pack

Serving Size

	Quantity per Serve	Quantity per 100g
Energy (kJ)		
Protein (g)		
Fat - Total (g)		
-Saturated (g)		
Carbohydrate - Total (g)		
-Sugars (g)		
Sodium (mg)		

Prep: MM/DD/YYYY



MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1

ADDRESS LINE 2/PHONE NUMBER

Format 42

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Servings per pack</i>	Prints up to 10 characters.
<i>Serving Size</i>	Prints up to 25 characters.
<i>Energy (kJ)</i>	Prints up to 6 characters: numbers 0-9.
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Allergens</i>	Prints up to 50 characters.
<i>Barcode</i>	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Store Name

Description 1

Description 2

NUTRITION INFORMATION

Servings per pack

Serving Size

	Quantity per Serve	Quantity per 100g
Energy (kJ)		
Protein (g)		
Fat - Total (g)		
-Saturated (g)		
Carbohydrate - Total (g)		
-Sugars (g)		
Sodium (mg)		

(INGREDIENTS) Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius laoreet lacus vel fringilla. Duis lacinia sem tortor, sit amet dapibus erat fermentum.

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(ALLERGENS) Lorem ipsum dolor sit amet, consectetur



MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1

ADDRESS LINE 2/PHONE NUMBER

Format 43

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 23 characters.
<i>Store Name</i>	Prints up to 17 characters.
<i>Store Address</i>	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2
<i>Servings per pack</i>	Prints up to 10 characters.
<i>Serving Size</i>	Prints up to 25 characters.
<i>Energy (kJ)</i>	Prints up to 6 characters: numbers 0-9.
<i>Protein</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Fat</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Saturated</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Carbohydrate</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sugars</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Sodium</i>	Prints up to 6 characters: numbers 0-9 and period only.
<i>Ingredients</i>	Prints up to 875 characters.
<i>Allergens</i>	Prints up to 50 characters.
<i>Must Use By</i>	Prints the date in MM/DD/YY format.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period, dollar, cents, Euro, pound, and yen signs.

Description 1

Store Name

STORE ADDRESS LINE 1

ADDRESS LINE 2/PHONE NUMBER

NUTRITION INFORMATION

Servings per pack

Serving Size

	Quantity per Serve	Quantity per 100g
Energy (kJ)		
Protein (g)		
Fat - Total (g)		
-Saturated (g)		
Carbohydrate - Total (g)		
-Sugars (g)		
Sodium (mg)		

INGREDIENTS:

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MUST USE BY

MM/DD/YY

Price

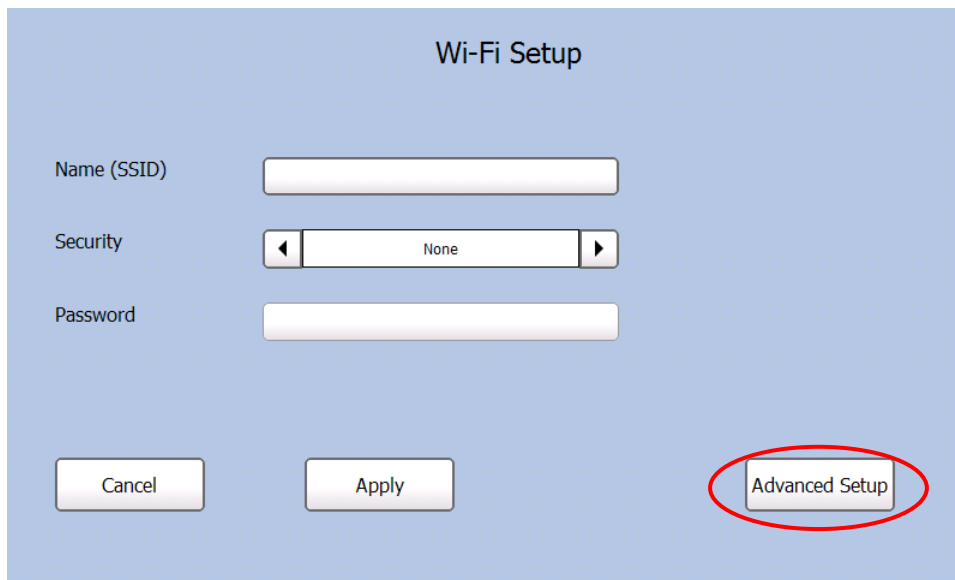
ADVANCED WI-FI CONFIGURATION

B

Use this appendix to configure advanced 802.11a/b/g/n wireless (radio) card settings.

Use the Laird WiFi Configuration (Summit Client Utility) available on the 9417+ printer to configure the printer's wireless card to communicate with your network.

1. From the Admin Tool screen, press System Settings.
2. Press **Network Settings**.
3. Press **WireLess Settings**.
4. Press **Wi-Fi Setup**.



The image shows the 'Wi-Fi Setup' screen. It has a light blue background. At the top, it says 'Wi-Fi Setup'. Below that, there are three input fields: 'Name (SSID)' with an empty text box, 'Security' with a dropdown menu showing 'None', and 'Password' with an empty text box. At the bottom, there are three buttons: 'Cancel', 'Apply', and 'Advanced Setup'. The 'Advanced Setup' button is circled in red.

5. Press **Advanced Setup**. The Summit Client Utility (SCU) main screen appears. You may need to move the keyboard out of the way.



The image shows the 'Summit Client Utility' main screen. It has a red header bar with the text 'Summit Client Utility' and three buttons: '?', 'OK', and 'X'. Below the header, there are five tabs: 'Main', 'Profile', 'Status', 'Diags', and 'Global'. The 'Main' tab is selected. On the left side, there is a logo for 'SUMMIT DATA COMMUNICATIONS' and two buttons: 'Admin Login' and 'Disable Radio'. On the right side, there is a section for 'Active Profile' with a dropdown menu showing 'Default'. Below that, there are labels for 'Status' (Not Associated), 'Radio' (ABGN), 'Auto Profile' (On/Off), 'Reg.' (FCC), 'Driver' (v3.05.03), and 'SCU' (v3.5.09.60). There is also a 'List' button and an 'About SCU' button.

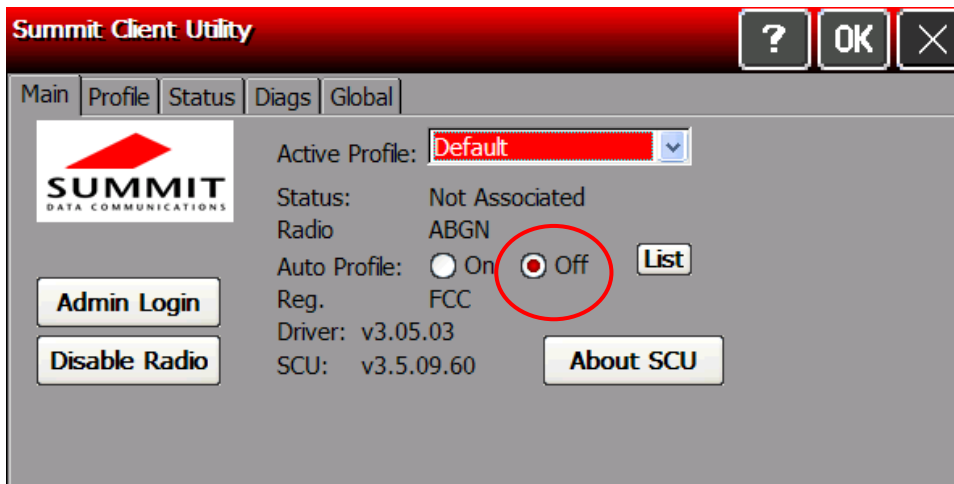
The main screen shows the active profile, current wireless status (Down, Disabled, Not Associated, Associated, or Authenticated), the radio type, the regulatory domain, and the driver version. From the main screen, you can also log in as administrator to make changes to radio settings, and disable or enable the radio.

Finding a Network

The printer searches for available networks and lists the SSIDs, signal strength, and encryption. Connect to an existing network profile with the required network security information. Up to 20 profiles may be created.

The default profile does not have an SSID or security settings. It can only connect to an access point that broadcasts its SSID and is not secured. The Profile window also allows you to edit or delete existing profiles. **Do not use the ThirdPartyConfig profile**

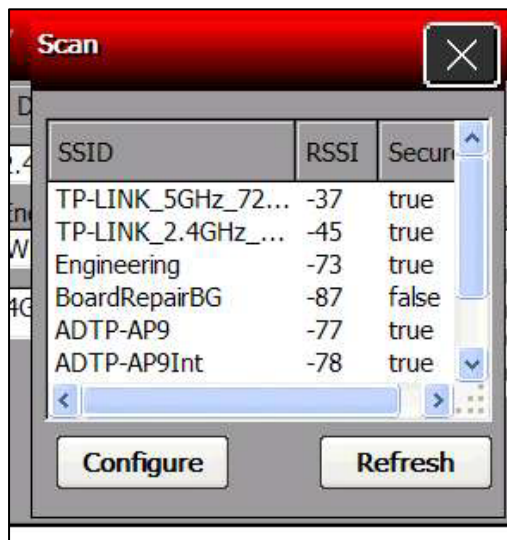
1. From the main SCU screen, press **Admin Login**.
2. Enter the password. The default password is **SUMMIT** and press **Return** on the keyboard. The password is case-sensitive. Once you are logged in, the main SCU window shows "Admin Logout" instead of "Admin Login."
3. From the SCU **Main** tab, turn **Off** Auto-Profile.



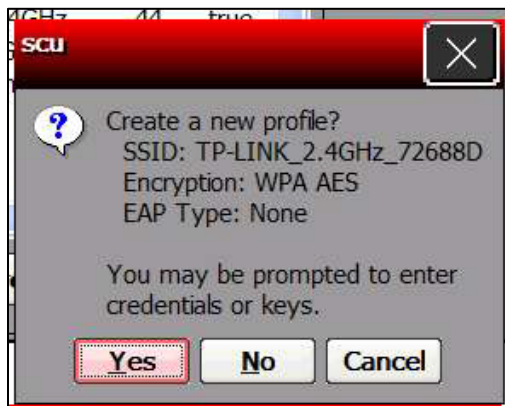
4. Press the **Profile** tab.



5. Press **Scan**. A list of available networks appears.



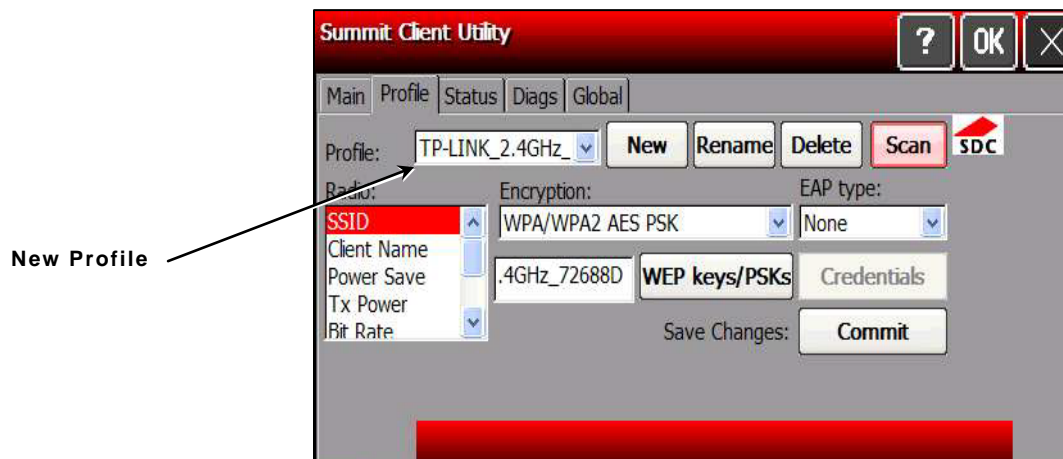
6. Select your network, then press **Configure**.
You are prompted to create a new profile.



7. Press **Yes** to create a new profile. SCU creates a profile for the selected network.



8. Enter the required information, then press **OK**. The Profile screen shows the newly created Profile.



9. Press **Commit** to save the changes. When you are finished, press the **Main** tab. Your new profile appears in the Active Profile drop-down menu. Exit the SCU.
10. If the printer doesn't obtain a Wi-Fi IP address, turn off the printer, wait several seconds, then turn it on.

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