AVERY DENNISON | Printer Solutions

SYSTEM ADMINISTRATOR'S GUIDE

Avery Dennison® Monarch® FreshMarx® 9417+ Solution Version 3.1

TC9417PSA Rev. AB 5/17
© 2016 Avery Dennison Corp.
All rights reserved.

Each product and program carries a respective written warranty, the only warranty on which the customer can rely. Avery Dennison reserves the right to make changes in the product, the programs, and their availability at any time and without notice. Although Avery Dennison has made every effort to provide complete and accurate information in this manual, Avery Dennison shall not be liable for any omissions or inaccuracies. Any update will be incorporated in a later edition of this manual.

©2016 Avery Dennison Corporation. All rights reserved. No part of this publication may be reproduced, transmitted, stored in a retrieval system, or translated into any language in any form by any means, without the prior written permission of Avery Dennison.

Trademarks

FreshMarx®, Monarch®, and Avery Dennison® are registered trademarks of Avery Dennison Corporation

Avery Dennison
170 Monarch Lane
Miamisburg, OH 45342

TABLE OF CONTENTS

INTRODUCTION 1-1
- Audience 1-1
- About the Printer 1-1
- About the Setup Wizard 1-3
- Using the Keypad 1-3
- About Assigning Formats 1-4
- About Freshness Labeling 1-4
- About Button Modes 1-5
  - Timer Button Mode 1-5
  - Video Button Mode 1-5
  - Document Button Mode 1-5
  - Label & Timer Button Mode 1-5
  - Label & Video Button Mode 1-5
  - Label & Document Button Mode 1-5
  - Button Mode Icons 1-5

SETTING THE TIME AND DATE 2-1
- Adjusting the Time and Date 2-1
- Formatting the Time and Date 2-3

SETTING UP THE PRINTER 3-1
- Adjusting the Print Settings 3-1
- Adjusting the Screen Brightness 3-4
- Adjusting the Volume 3-4
- Changing the Administrator's Password 3-5
- Setting the Options 3-5
- Adjusting the Language Settings 3-6
  - Language Toggle Button 3-8
- Adjusting the LAN (Local Area Network) Settings 3-9
  - Using DHCP to Obtain an IP Address: 3-10
  - Using a Static IP Address: 3-10
- Adjusting the Wireless Settings 3-11
  - Connectivity Troubleshooting 3-12
- Selecting the Network Time Server 3-13
- Updating the Printer via SFTP 3-14
  - Automatically Check for Updates 3-16
  - Allowing Automatic Updates 3-16

EDITING PRODUCT DATA 4-1
- Entering Edit Mode 4-1
- Adding and Removing Products 4-2
  - To add a product button: 4-2
  - To remove a product button: 4-5
- Editing Product Descriptions 4-5
- Editing the Use First Button 4-6
- Editing Category Buttons 4-7

Assigning a Label Format 4-9
Editing Tab Names 4-10
Adding Timers 4-11
Exiting Edit Mode 4-13
BATCH PRINTING 5-1
Creating a Batch 5-1
Editing a Batch 5-3
Renaming a Batch 5-4
Deleting a Batch 5-4
UPDATING THE PRINTER 6-1
Updating Your Product Data File via USB 6-1
Updating Your Application Software via USB 6-2
Updating Formats 6-4
Updating Videos 6-5
Supported Media/Video Specifications 6-5
Supported Video Codecs 6-5
Maximum Resolution 6-5
Video Bitrate 6-5
Video Conversion 6-6
Transferring Videos to/from the Printer 6-6
Updating Documents 6-8
Document Specifications 6-8
Viewable Document Guidelines 6-8
Transferring Documents to/from the Printer 6-9
PERFORMING MAINTENANCE 7-1
Printing Diagnostic Labels 7-1
Version Information 7-2
Network Information 7-2
Gray Scale 7-2
Checkerboard 7-2
Copying the Data File to a USB Flash Drive 7-3
Calibrating the Supply 7-4
Calibrating the Sensor 7-5
Calibrating the Touch Screen 7-6
Performing a Factory Reset 7-7
LABEL FORMATS A-1
Format 1 ..... A-1
Format 2 ..... A-1
Format 3 ..... A-2
Format 4 ..... A-2
Format 5 ..... A-3
Format 6 ..... A-3
Format 7 ..... A-4
Format 8 ..... A-5
Format 10 ..... A-6

Format 11 ..... A-6
Format 12 ..... A-7
Format 20 ..... A-7
Format 21 ..... A-8
Format 22 ..... A-9
Format 30 ..... A-10
Format 31 ..... A-11
Format 32 ..... A-12
Format 40 ..... A-13
Format 41 ..... A-14
Format 42 ..... A-15
Format 43 ..... A-16
ADVANCED WI-FI CONFIGURATION B-1
Finding a Network B-2

INTRODUCTION

1

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**
Quick Reference	Includes basic start-up information such as supply loading, cleaning and minor troubleshooting.
Operator's Handbook	Includes information about using the printer's application, loading supplies, printing labels, and more.
EasyEdit+ System Administrator's Guide	Includes information about using the EasyEdit+ application to create a product data file and select specific printer settings.
LNT Programmer's Manual	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 12? to use numeric characters or symbols. Press 1/2 to see the second page of symbols; press 2/2 to return to the first page of symbols. Press aBc 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")

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.

End of Day Expiration	**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).

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.

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:

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.

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.

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+.

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

3. 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**.

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

Using a Static IP Address:

You can assign the printer a static IP Address.

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

2. Touch the text box next to each field to enter the information as needed on the keypad.
3. Press (**Enter**) on the keypad each time you complete a field.
4. 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.

7. To set an SSID, security or password, press **Wi-Fi 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
Status appears as Not Associated or Not Inserted on Wi-Fi Settings screen.	♦ 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 in this case.

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**.

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

Automatically Check for Updates

Selecting “Automatically check for updates,” allows 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

Allowing Automatic Updates

Selecting “Allow automatic updates,” enables your printer to accept an unscheduled update sent from the SFTP server.

EDITING PRODUCT DATA

4

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.

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

To add a product button:

1. Press any empty product button.

*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.

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:

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

- 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.

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.

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.

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

*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.

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 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**).

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.

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.

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.

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.
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.

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.

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

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.

BATCH PRINTING

5

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.

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

10. Continue adding items to the batch as necessary.

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

Editing 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 **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.

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.

UPDATING THE PRINTER

6

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 ypes:

- .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.

Enter the following information for each field:

Field	Description
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
EMPL	Employee ID must be 2-10 characters.
Must Use By	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.

Enter the following information for each field:

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

Enter the following information for each field:

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

Enter the following information for each field:

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

Enter the following information for each field:

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

Format 6

Prints 2.2” wide x 3.0” long labels.

Enter the following information for each field:

Field	Description
Description	Prints up to 16 characters.
Shelf Life	Prints up to 13 characters.
EMPL	Employee ID must be 2-10 characters.
Prep	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Must Use By	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
Description 1	Prints up to 15 characters.
Description 2	Prints up to 15 characters
EMPL	Employee ID must be 2-10 characters.
Prep	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Blue	Use by Monday.
Yellow	Use by Tuesday.
Red	Use by Wednesday.
Brown	Use by Thursday.
Green	Use by Friday.
Orange	Use by Saturday.
Black	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
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
EMPL	Employee ID must be 2-10 characters.
Prep	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Blue	Use by Monday.
Yellow	Use by Tuesday.
Red	Use by Wednesday.
Brown	Use by Thursday.
Green	Use by Friday.
Orange	Use by Saturday.
Black	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
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.
Allergens	Prints up to 50 characters.
Prep	Prints the date in MM/DD/YY format.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 11

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.
Description 3	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..

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..

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.

Format 21

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.
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.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 22

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.
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.
Ingredients	Prints up to 875 characters.
Allergens	Prints up to 50 characters.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

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.

Format 31

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.
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.
Prep	Prints the date in MM/DD/YY format.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 32

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.
Each serving (XXg) contains	Prints up to 28 characters.
Energy (kJ and kcal)	Prints up to 6 characters: numbers 0-9.
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.
Ingredients	Prints up to 875 characters.
Allergens	Prints up to 50 characters.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 40

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.
Servings per pack	Prints up to 10 characters.
Serving Size	Prints up to 25 characters.
Energy	Prints up to 6 characters: numbers 0-9 and period only..
Protein	Prints up to 6 characters: numbers 0-9 and period only.
Fat	Prints up to 6 characters: numbers 0-9 and period only.
Saturated	Prints up to 6 characters: numbers 0-9 and period only.
Carbohydrate	Prints up to 6 characters: numbers 0-9 and period only.
Sugars	Prints up to 6 characters: numbers 0-9 and period only.
Sodium	Prints up to 6 characters: numbers 0-9 and period only.

Format 41

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.
Servings per pack	Prints up to 10 characters.
Serving Size	Prints up to 25 characters.
Energy (kJ)	Prints up to 6 characters: numbers 0-9.
Protein	Prints up to 6 characters: numbers 0-9 and period only.
Fat	Prints up to 6 characters: numbers 0-9 and period only.
Saturated	Prints up to 6 characters: numbers 0-9 and period only.
Carbohydrate	Prints up to 6 characters: numbers 0-9 and period only.
Sugars	Prints up to 6 characters: numbers 0-9 and period only.
Sodium	Prints up to 6 characters: numbers 0-9 and period only.
Prep	Prints the date in MM/DD/YY format.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 42

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.
Servings per pack	Prints up to 10 characters.
Serving Size	Prints up to 25 characters.
Energy (kJ)	Prints up to 6 characters: numbers 0-9.
Protein	Prints up to 6 characters: numbers 0-9 and period only.
Fat	Prints up to 6 characters: numbers 0-9 and period only.
Saturated	Prints up to 6 characters: numbers 0-9 and period only.
Carbohydrate	Prints up to 6 characters: numbers 0-9 and period only.
Sugars	Prints up to 6 characters: numbers 0-9 and period only.
Sodium	Prints up to 6 characters: numbers 0-9 and period only.
Ingredients	Prints up to 875 characters.
Allergens	Prints up to 50 characters.
Barcode	Prints a UPC-A, EAN-8, EAN-13, Code 30 Barcode.
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 Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2

Format 43

Prints 2.2” wide x 4.0” long labels.

Enter the following information for each field:

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

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**.

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

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.

AMERICAS
170 Monarch Lane
Miamisburg, OH 45342
937 865 2123 (direct)
Tel +800 543 6650
(8:00 a.m. – 6:30 p.m., EDT)
Fax +937 865 6663

ASIA
No. 7 Chun Ying Street
Tseung Kwan O Industrial Estate
New Territories, Hong Kong
Tel +852 2372 3169
Fax +852 2995 0014

WESTERN EUROPE
1 Thomas Road
Wooburn Green
Bucks HP10 0PE
Tel +(44) 1628 859500
Fax +(44) 1628 859567

ASIA PACIFIC
NEW SOUTH WALES
61 Vore Street
Silverwater NSW 2128
Tel +(02) 9647 1833
Fax +(02) 9647 1914
Toll free (Outside Sydney only)

AVERY DENNISON | Printer Solutions

printers.averydennison.com