AVERY DENNISON | Printer Solutions

SYSTEM ADMINISTRATOR'S GUIDE

Avery Dennison®
FreshMarx®
EasyEdit+

TCEASYEDITPSA Rev. AE 9/18
© 2016 Avery Dennison Corp.
All rights reserved.
Classification: Avery Dennison - Public

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

Microsoft® Excel® is a registered trademark of Microsoft Corporation in the United States and/or other countries.

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

Avery Dennison
170 Monarch Lane
Miamisburg, OH 45342

TABLE OF CONTENTS

GETTING STARTED 1-1
- Audience 1-1
- System Requirements 1-1
- File Specifications 1-2
  - Video Specifications 1-2
  - Document Specifications 1-2
- Installing the EasyEdit+ Utility 1-3
- Selecting a Language 1-3

EASYEDIT+ FEATURES 2-1
- About Assigning Formats 2-1
- About Freshness Labeling 2-1
- About Button Modes 2-2
  - Timer Button Mode 2-2
  - Video Button Mode 2-2
  - Document Button Mode 2-2
  - Label & Video Button Mode 2-2
  - Label & Document Button Mode 2-2
  - Label & Timer Button Mode 2-3
  - Button Mode Icons 2-3
- Formatting Text 2-3
- Formatting Category Colors 2-4
  - Custom Category Colors 2-4
- Search Product Buttons 2-5
- Using the Microsoft® Excel® Template 2-6
- Importing Data from the Template 2-7

CREATING/EDITING A DATA FILE 3-1
- Starting the EasyEdit+ Utility 3-1
- Opening a Data File 3-1
- Specifying the Printer's Type 3-2
- Enabling Alternate Button Names 3-2
- Entering a Store Address 3-2
- Creating Category Buttons 3-3
- Creating Product Buttons 3-5
  - Label Preview 3-6
  - Timer Button Mode 3-7
  - Video Button Mode 3-7
  - Document Button Mode 3-7
  - Label & Video Button Mode 3-8
  - Label & Document Button Mode 3-8
  - Label & Timer Button Mode 3-8
- Selecting Videos 3-9
- Saving the Data File 3-10

SORTING THE DATA FILE 4-1
Locking Button Location 4-1
Sorting Current Tab 4-2
Sorting Current Category 4-3
Sorting All Categories 4-4
Alphabetizing Your Data 4-4
Deleting, Cutting, Copying, & Inserting Product Buttons 4-5
USING NETWORK MANAGER 5-1
Working With an SFTP Server 5-1
Updating Printers & Files 5-2
Updating the 9417+ Printer 5-2
Getting Files from the 9417+ Printer 5-2
Managing Printers 5-3
Adding a Printer 5-3
Removing a Printer 5-3
Changing a Printer IP 5-3
Managing Printer Groups 5-4
Creating a Group 5-4
Editing a Group 5-4
Deleting a Group 5-4
Changing the Network Manager Password 5-5
9417+ CONFIGURATION FILE 6-1
Opening a Configuration File 6-1
Printer Settings 6-1
LAN Settings 6-2
WiFi Settings 6-2
Network Settings 6-3
SFTP Server User Settings 6-3
STANDARD 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 23 ..... A-10
Format 30 ..... A-11

Format 31 ..... A-12
Format 32 ..... A-13
Format 40 ..... A-14
Format 41 ..... A-15
Format 42 ..... A-16
Format 43 ..... A-17
CUSTOM LABEL FORMATS B-1
Adding a Custom Format B-1
Deleting a Custom Format B-2
Saving a Custom Format B-2
CREATING/EDITING A DONATE AND WASTE DATA FILE C-1
Donate and Waste Overview C-1
Starting a New Donate and Waste File C-2
Entering a Store Address C-2
Creating Donate and Waste Category Buttons C-3
About the “No Label” Option C-3
Creating Donate and Waste Product Buttons C-4
Sorting a Donate and Waste File C-4
Setting up a Donate and Waste File C-5
Entering the Waste Reasons C-5
Entering the Departments C-6
Entering the Food Types C-7
Entering the Recipients C-8
Sending a Donate and Waste Data File to the Printer C-9
SFTP Push/Pull Updates C-9
Getting Donate and Waste Log Files C-10
Sample Waste Log C-11
Using the Microsoft® Excel® Template with Donate and Waste Data C-11
Importing Donate and Waste Data from the Template C-12
Exporting Data to Excel C-12
Donate Label Formats C-13
Format 1 ..... C-13
Format 2 ..... C-13
Format 3 ..... C-14
Format 4 ..... C-15
Format 5 ..... C-16
Format 6 ..... C-17
Adding Custom Donate Formats C-18
Developer Information for Custom Donate and Waste XML File C-18

GETTING STARTED

1

Use the Avery Dennison® Monarch® Freshmarx® EasyEdit+ Utility to create and edit product data files for the Avery Dennison® Monarch® 9417+ Printer. The Freshmarx application includes 22 standard label formats for food freshness dating, nutrition labeling, as well as grab-and-go labeling. See Appendix A, "Standard Formats" for more information on using the standard formats.

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

This revision of the manual is for the FreshMarx application version 5.0 and higher; and the EasyEdit+ Utility version 5.0 and higher.

If you purchased the FreshMarx Donate & Waste application, see Appendix C, "Creating/Editing a Donate and Waste Data File" for more information.

Use the EasyEdit+ Utility to upgrade your data file from the previous format (.DAT) to the current format (.FRESHMARX). Once your data file is in the .FRESHMARX format, it cannot be restored back to .DAT. FRESHMARX data files can only be used with Freshmarx Application version 3.0 or higher.

Audience

This manual is for the System Administrator who creates the data file for the 9417+ printer.

System Requirements

To install and use the Avery Dennison® Monarch® EasyEdit+ Utility, your PC must meet these requirements:

Supported Operating Systems:	♦ Windows XP	♦ Windows 7
	♦ Windows Vista	♦ Windows 10
Processor:	1 GHz minimum recommended	
Memory (RAM):	1 GB minimum recommended	
Hard Disk Space:	1 GB minimum recommended	

Note: Some combinations of computer hardware and versions of Windows® Operating Systems require you to run EasyEdit+ as an Administrator. Right click on the desktop icon and select Run As Administrator.

File Specifications

Videos and documents can be added to your product data file. The 9417+ printer has approximately 2.5GB of space available to store videos, documents, images, etc. For optimal performance, make every effort to reduce file size and complexity of videos and documents.

Video Specifications

Videos must meet the following specifications to properly play on the 9417+ printer.

Supported Media Files

The 9417+ printer supports the following media types:

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

Note: 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.

Convert the video

Document Specifications

Documents can be of the following file types to view on the 9417+ printer.

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

For optimal document viewing guidelines, refer to the *Viewable Document Setup Guide* found on our Web site.

Installing the EasyEdit+ Utility

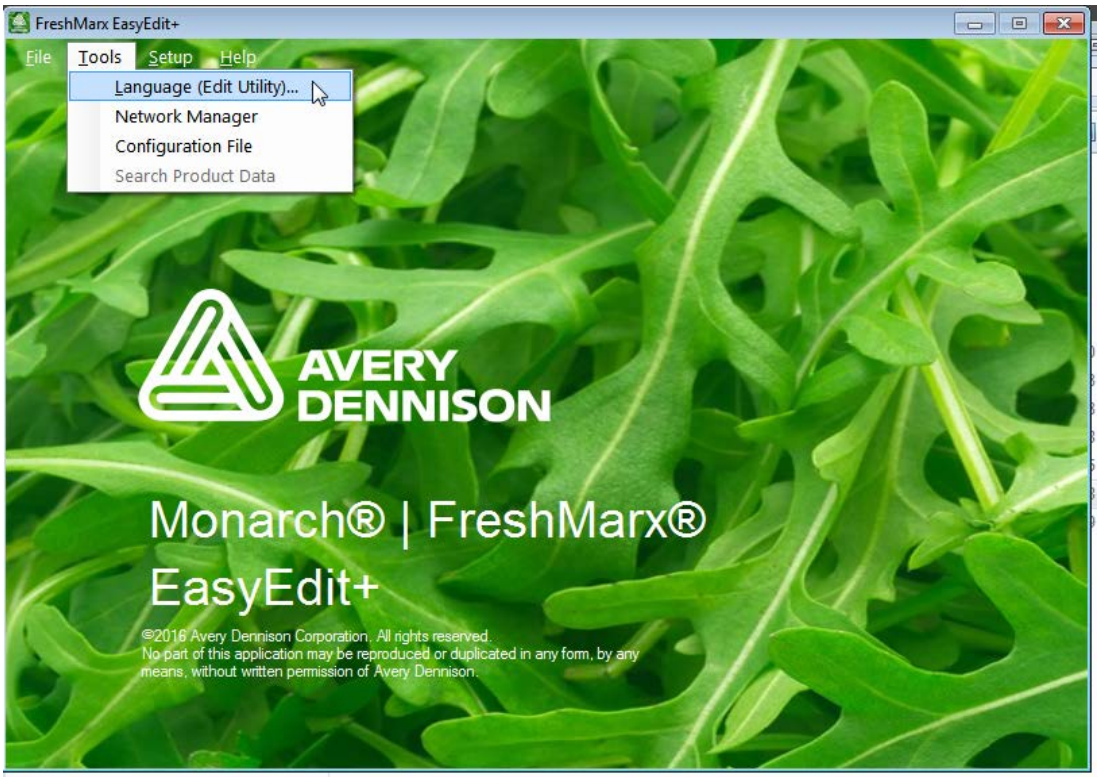
To install the EasyEdit+ Utility on your computer:

1. Download the EasyEdit+ Utility from our Web site (www.AveryDennison.com/Printers) to your computer.
2. Open the downloaded file and follow the on-screen instructions to complete the installation.
3. Once the EasyEdit+ Utility is installed, you can:
   - Upload a product data file from a printer to your computer, see “Uploading the Product Data File” for more information.
   - Edit a product data file on your computer, see “Editing the Data File” for more information.
   - Update a product data file, see “Updating the Product Data File” for more information.
   - Update the application, see “Updating the Application’s Software” for more information.

Selecting a Language

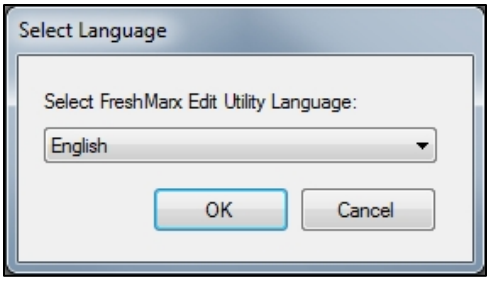
EasyEdit+ can display in various languages. To change the language:

1. Start the EasyEdit+ Utility.
2. Select **Tools, Language (Edit Utility)**.



3. Select your language from the drop-down list and click **OK**.

The menu items change into the selected language.



EASYEDIT+ FEATURES

2

About Assigning Formats

The Freshmarx application includes 22 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. (See "Alphabetizing Your Data")
- 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

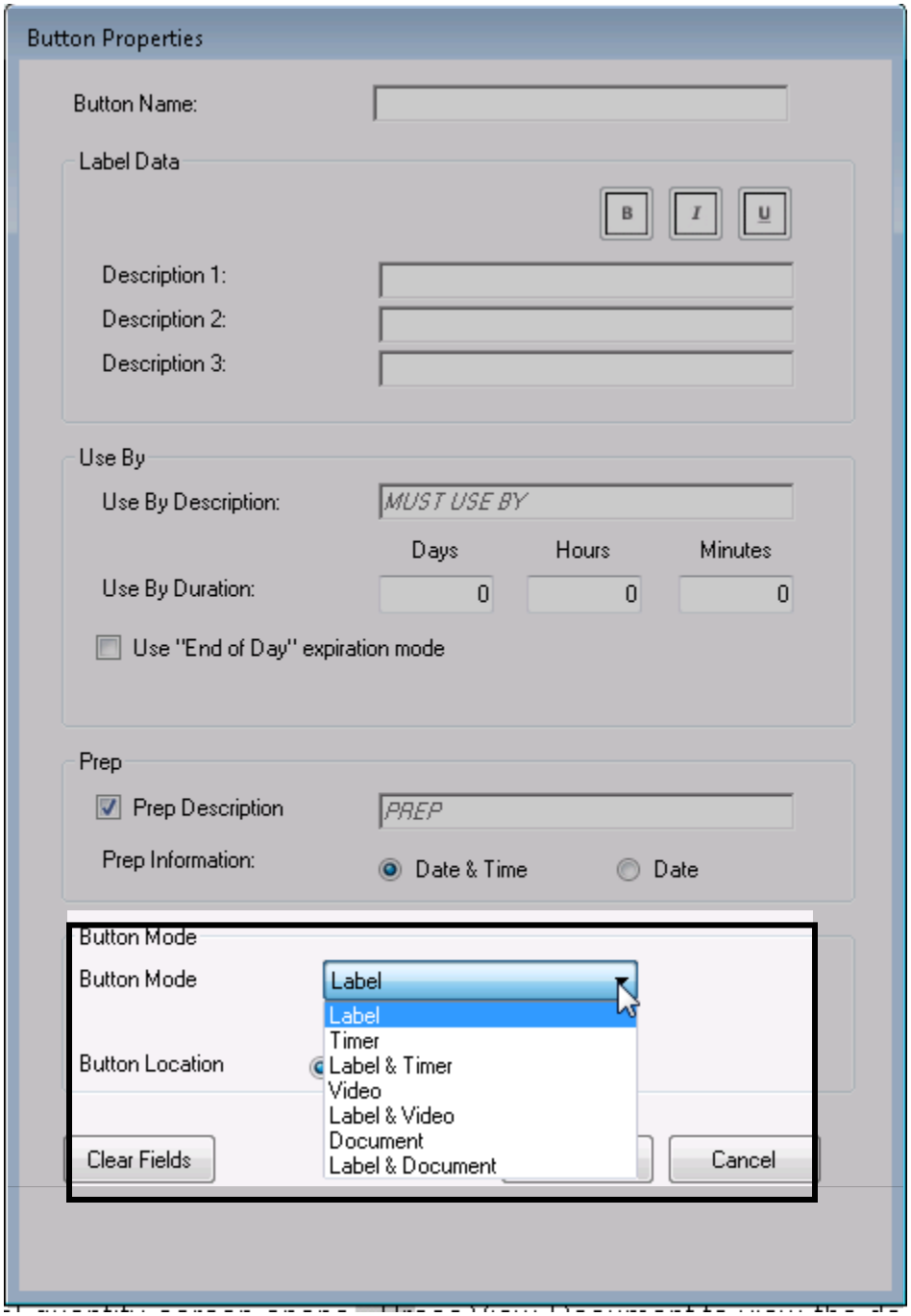
Note: The sample labels above were created using Format 1.

About Button Modes

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

For more information, refer to the *9417+ 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.

See "Appendix C" for more information on videos.

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.

See "Appendix C" for more information on videos.

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

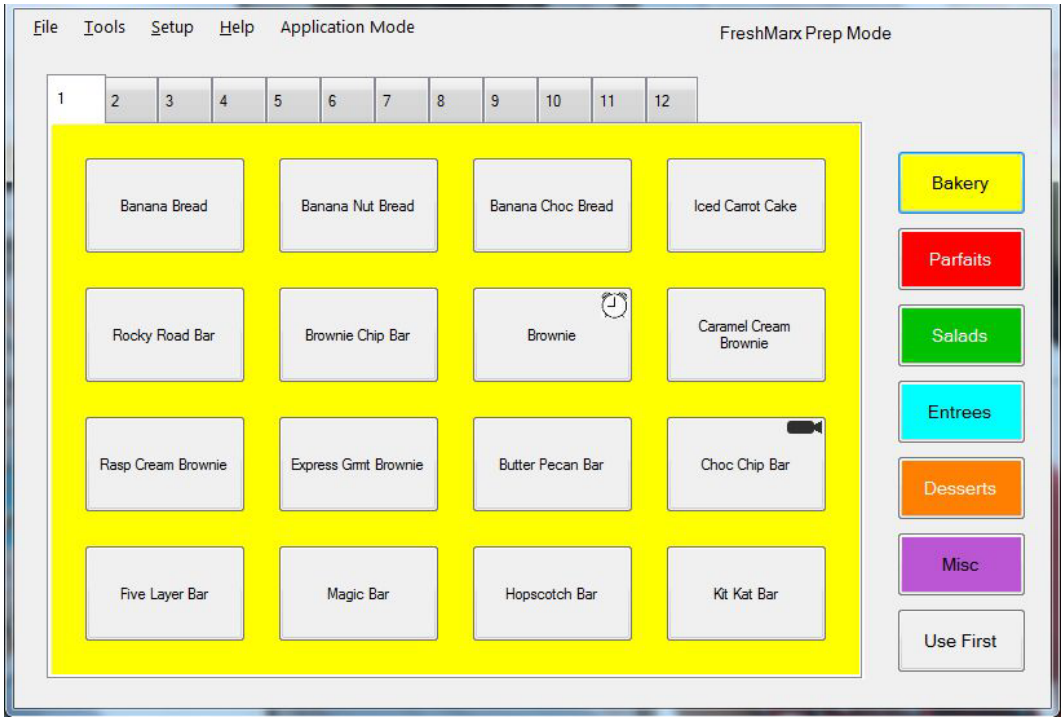
Label & document product buttons' primary function is to print labels. When the button is pressed, the label quantity screen opens. Press View Document to view the document before printing labels. After the document is closed, the print quantity screen is shown.

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.

Button Mode Icons

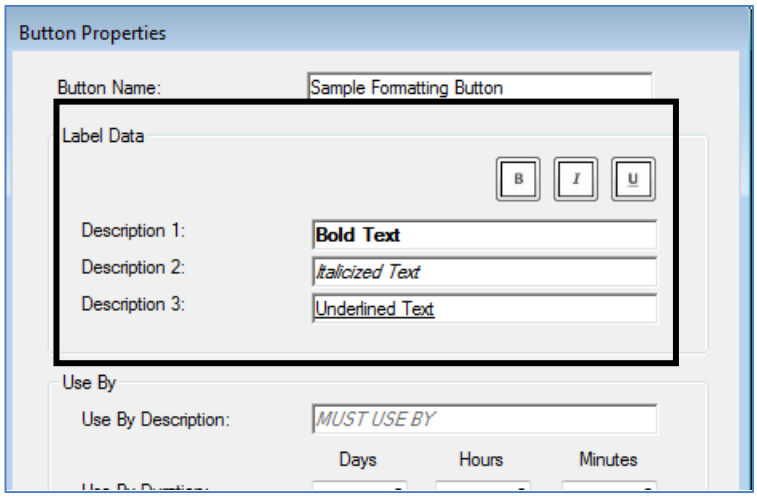
Once you create product buttons, the buttons appear as shown:



- 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 icon.
- 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.

Formatting Text

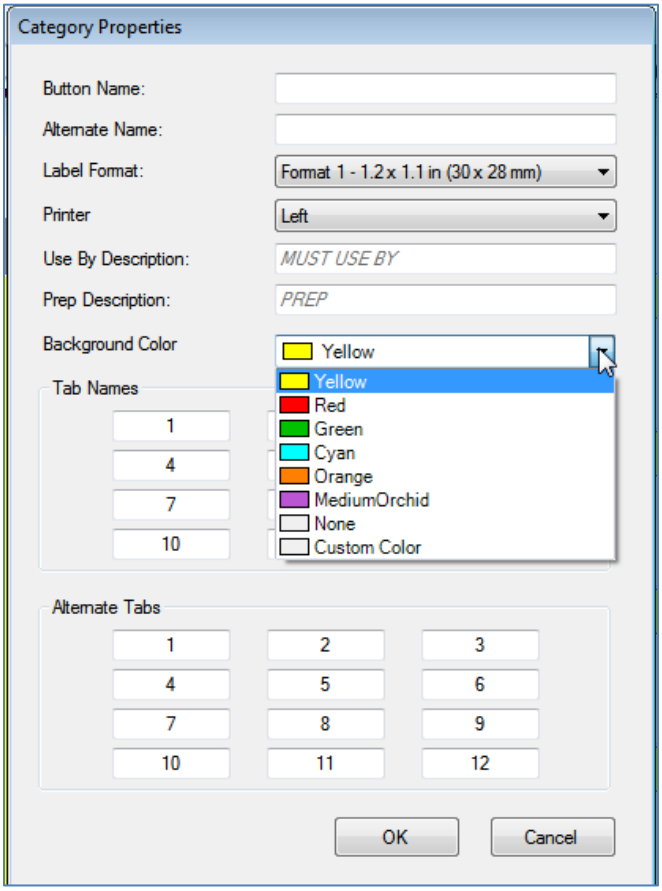
Some label data can be bold, italic, or underlined. To print the label data with these styles, apply them on the Button Properties screen. Enter the text, highlight it, then select the style you want to apply. You can apply more than one style to the text. For example, the text can be bold and italic.



Formatting Category Colors

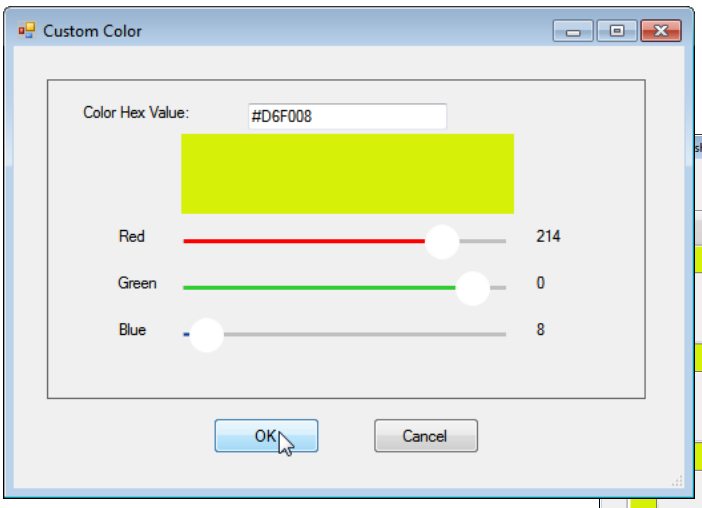
You can customize the category colors. Use the Category Properties screen to change the color of the Category Button background and the color behind the Product Buttons.

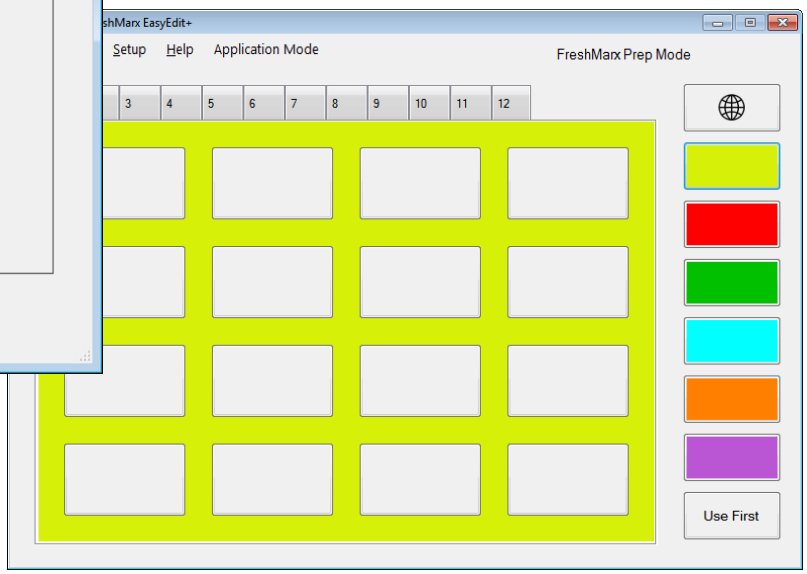
Note: Light colors may not display well on the printer.



Custom Category Colors

You can create a custom color. Enter the Hex value for the color you want or slide the Red, Green, and Blue adjustment bars.

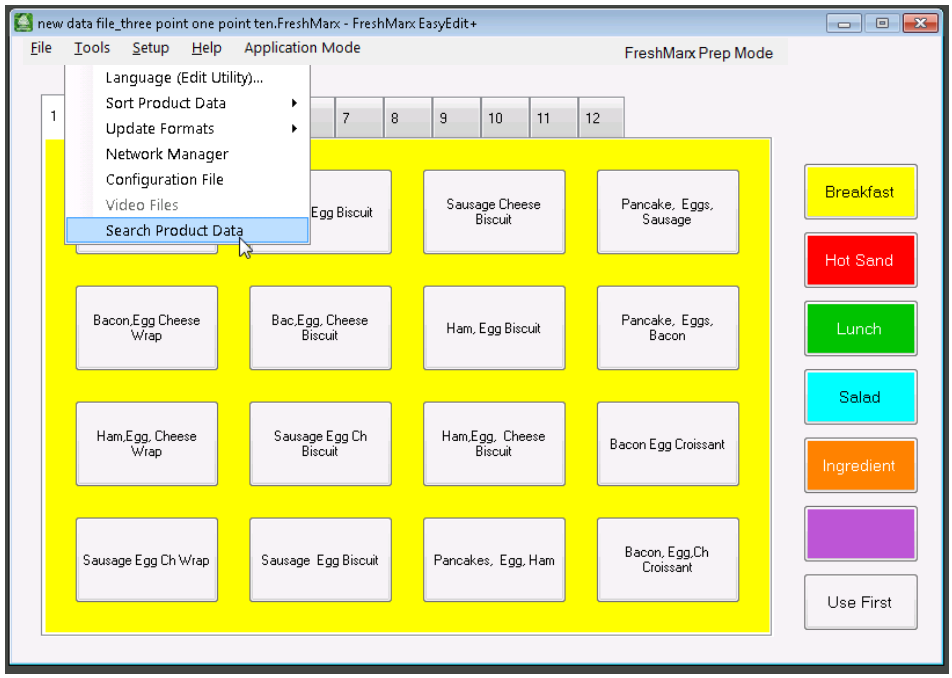




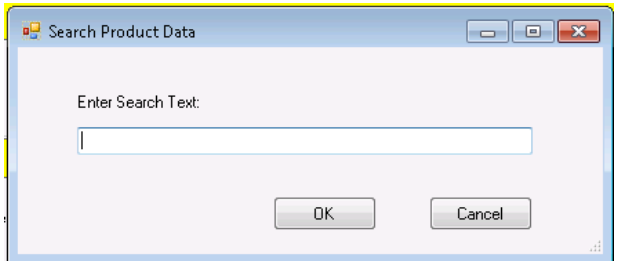
Search Product Buttons

You can search for Product Buttons in your data file.

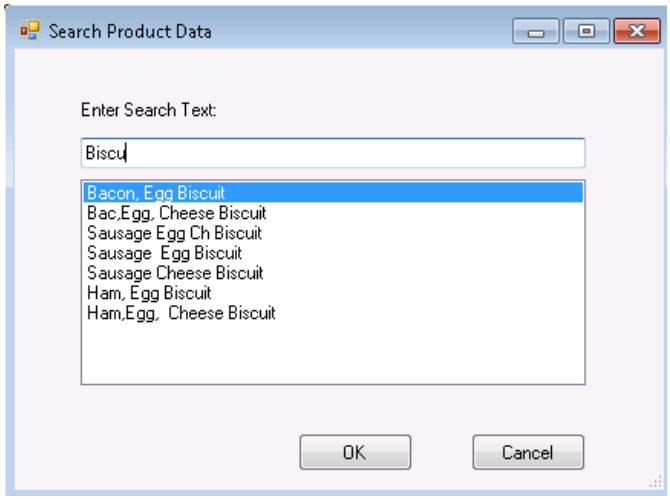
1. Select **Tools**, **Search Product Data**.



2. Enter the text you want to search. Click **OK**.



3. You see a list of results that match your entry. Select the product you want. Click **OK**.



4. You see the product button(s) for that item. Click the button you want to edit, the Button Properties screen opens. (The button's background color matches the category where it belongs.)

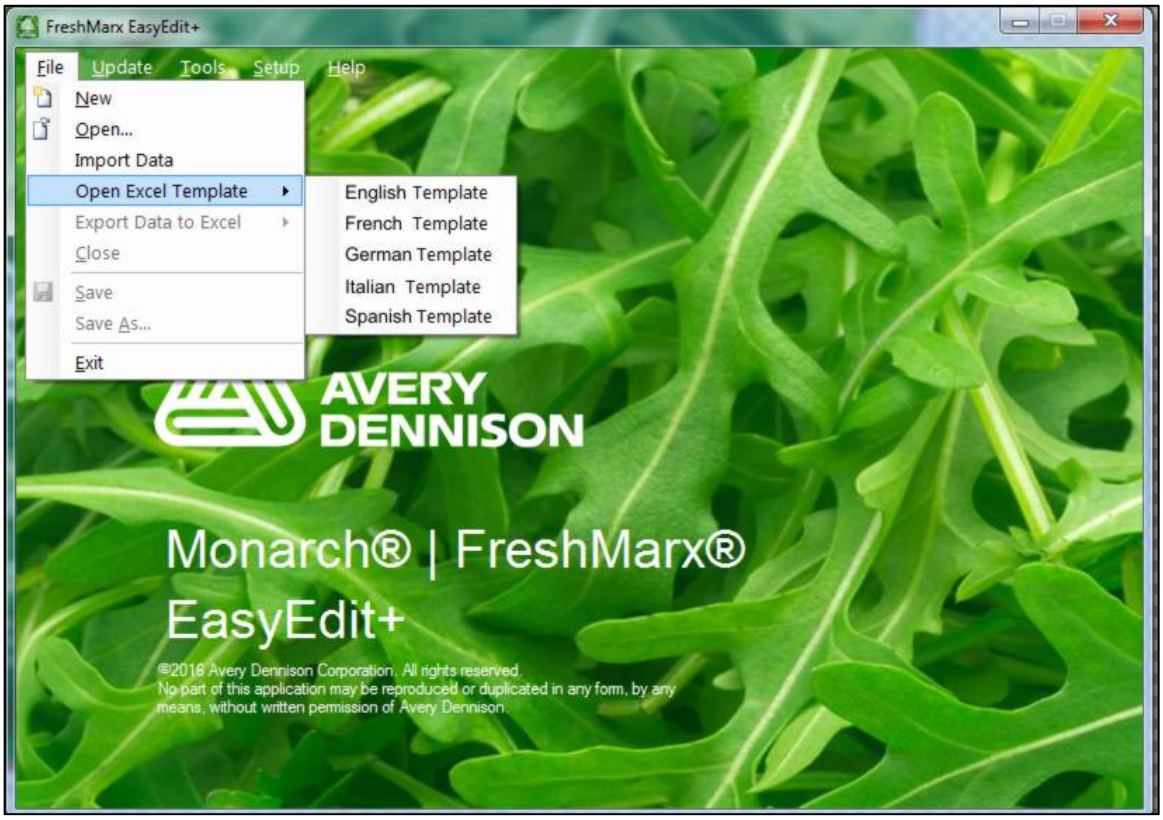
Using the Microsoft® Excel® Template

Your product data may be entered into Microsoft® Excel® (Microsoft® Office 2007 and Microsoft® Office Standard 2010 versions), then imported into EasyEdit+. The Excel template is installed within EasyEdit+.

Note: The Excel template version must match the installed version of EasyEdit+. If you update your version of EasyEdit+, open your FreshMarx data file then select Export Data To Excel to make product data changes in Excel.

To open the Template:

1. Open the EasyEdit+ utility.
2. Select **File**, **Open Excel Template►**. Choose your language's template.

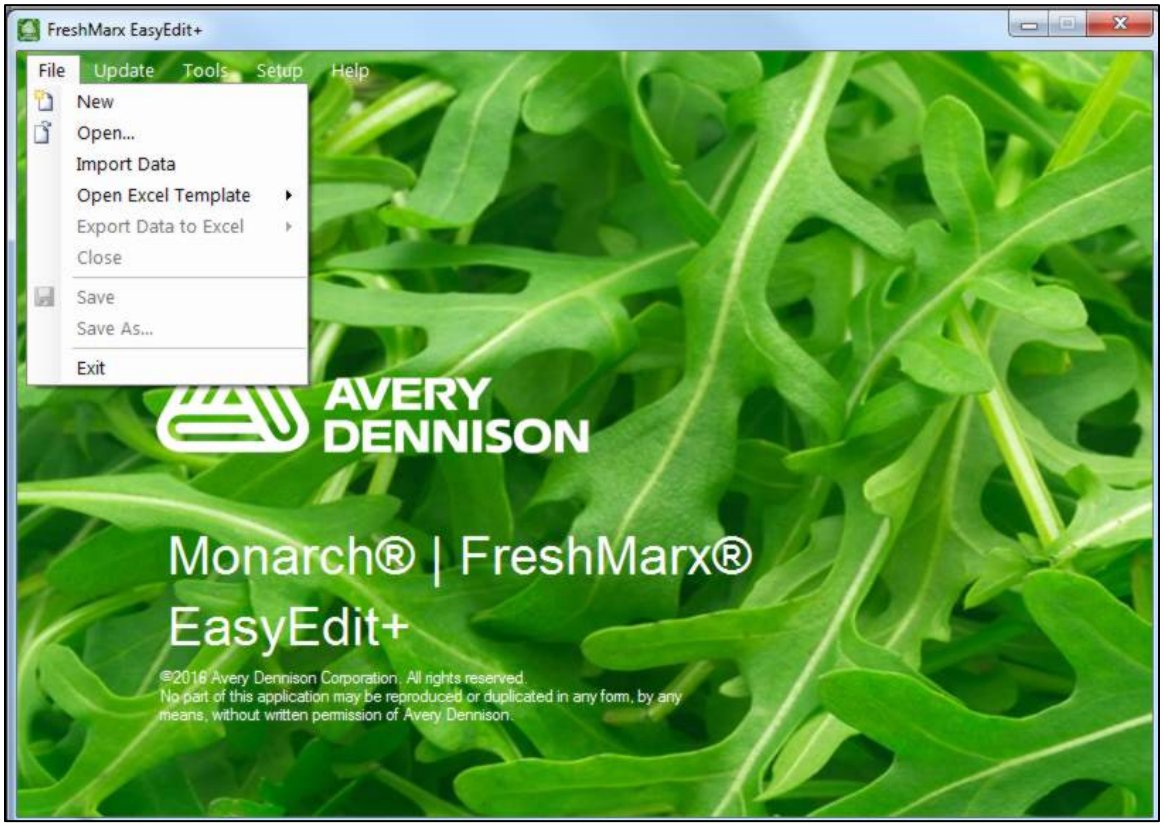


3. Navigate to the location you want to save the file. Click **Save**.
4. Excel opens the template.
5. Input your data according to the instructions within the template.
6. Save the completed template.

Importing Data from the Template

Once your product data is in the Microsoft® Excel® template, import it into the EasyEdit+ utility.

1. Open the EasyEdit+ utility.
2. Select **File**, **Import Data.**



3. Browse to the completed template.
4. Select **Open**. The data is imported into EasyEdit+.

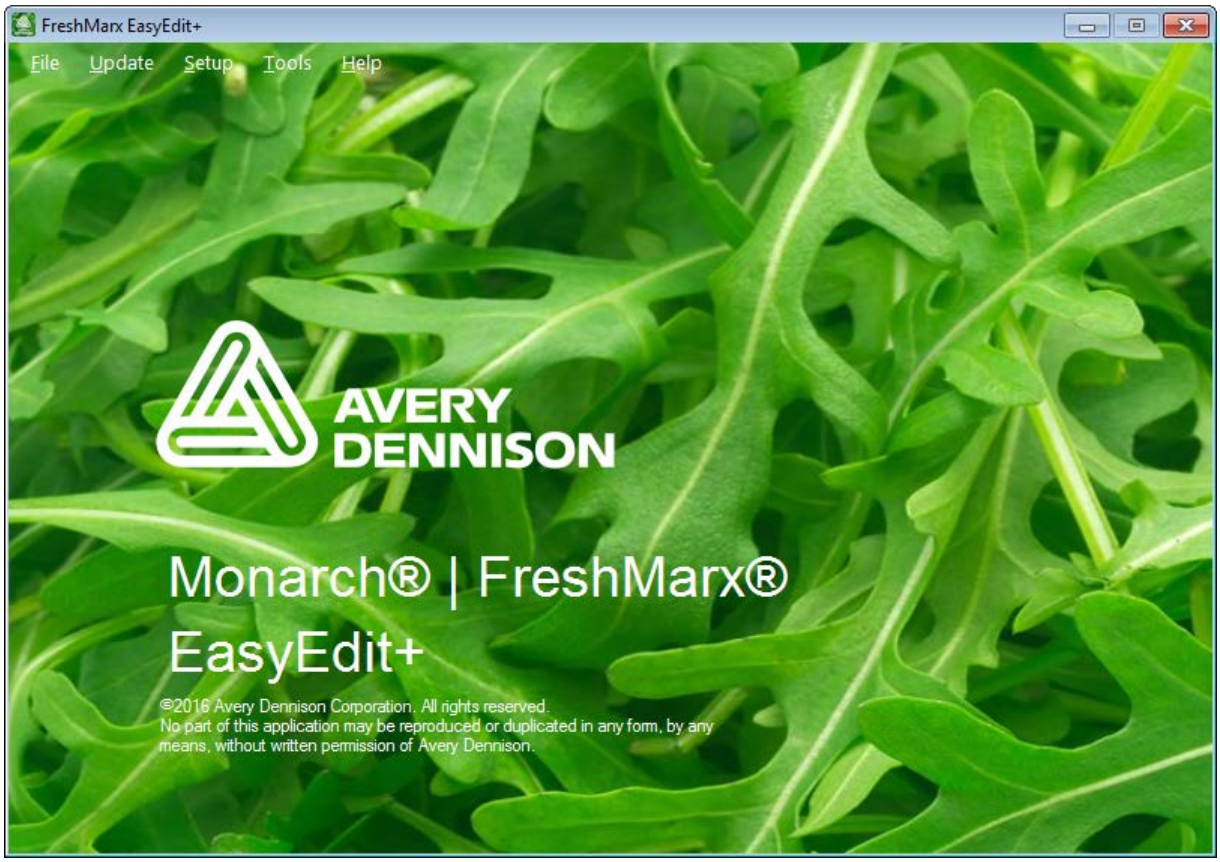
CREATING/EDITING A DATA FILE

3

Starting the EasyEdit+ Utility

Once you install the Utility, you see a shortcut on your computer's desktop. Double click the icon to open the Utility.

You see the EasyEdit+ Main Screen.



Opening a Data File

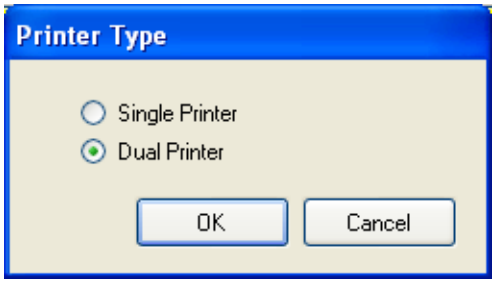
To open a data file,

1. Start the EasyEdit+ Utility. The Main screen appears.
2. Click **File**, **New**. A blank data file appears. OR
   Click **File**, **Open…** then navigate to the data file.

Note: You can open an existing .DAT in EasyEdit+ to convert it to the new .FRESHMARX format. **Once your data file is in the .FRESHMARX format, it cannot be restored back to .DAT.** .FRESHMARX data files can only be used with Freshmarx Application version 3.0 or higher.

Specifying the Printer's Type

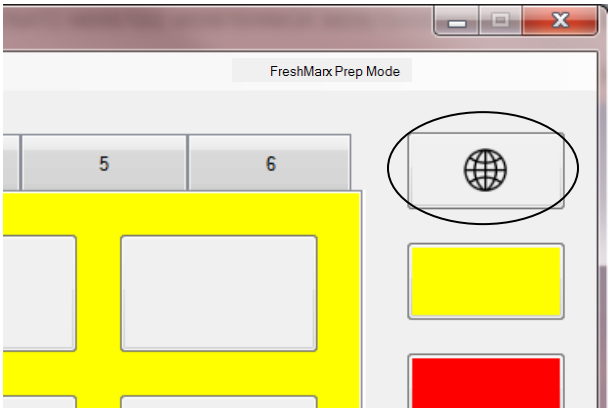
The 9417+ printer is available as a single printer (left printer only) or dual printer (left and right printer). Specify the correct printer type so that features display properly in the EasyEdit+ Utility.



1. Start the EasyEdit+ Utility.
2. Click **Setup**, then **Printer Type...**.
3. Select Single Printer or Dual Printer.
4. Click **OK**.

Enabling Alternate Button Names

The printer can display your product and category buttons in an alternate language. You must enter the alternate button names when designing/editing your data file.



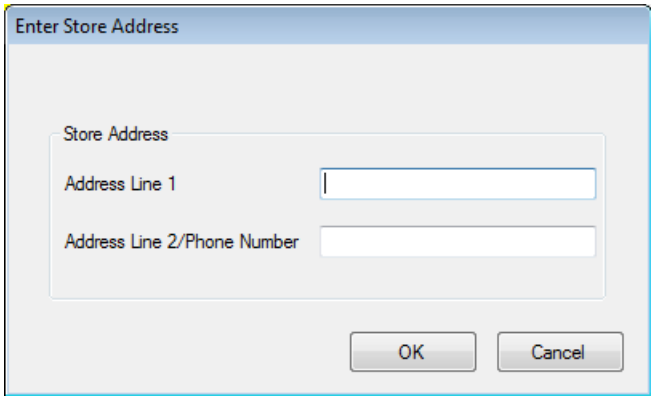
1. Start the EasyEdit+ Utility.
2. Start a new data file or open an existing one.
3. Click **Setup**, then **Alternate Button Names**.

To disable Alternate Button Names repeat steps 1-3.

With Alternate Buttons Names enabled, you see the globe icon. After you enter alternate button names, you can press the globe button to toggle between languages.

Entering a Store Address

Enter a store address that prints on several standard label formats.

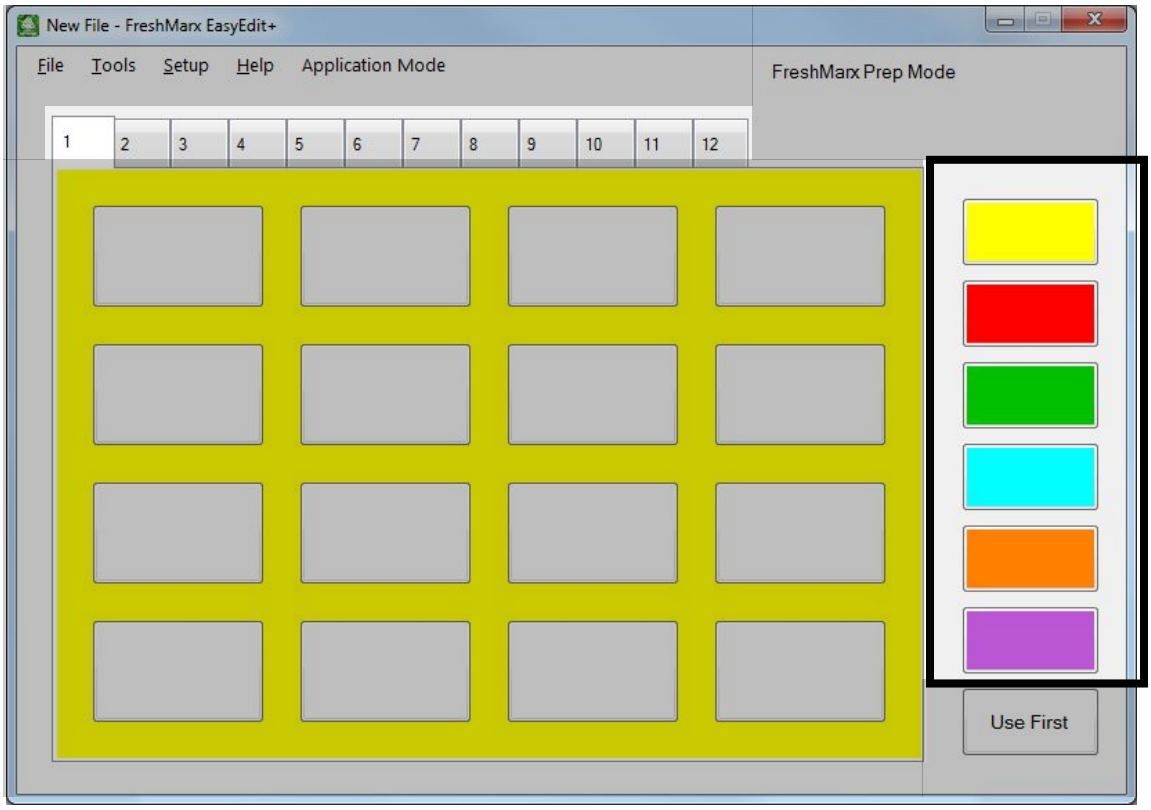


1. Start the EasyEdit+ Utility.
2. Start a new data file or open an existing one.
3. Click **Setup**, then **Enter Store Address**.
4. Enter the store address you want to print on the labels.
5. Click **OK**.

Note: A *printer option* is available to override this store address with a local store address and/or phone number.

Creating Category Buttons

You can name the category buttons, assign a format per category, designate a printer, and name the tabs.

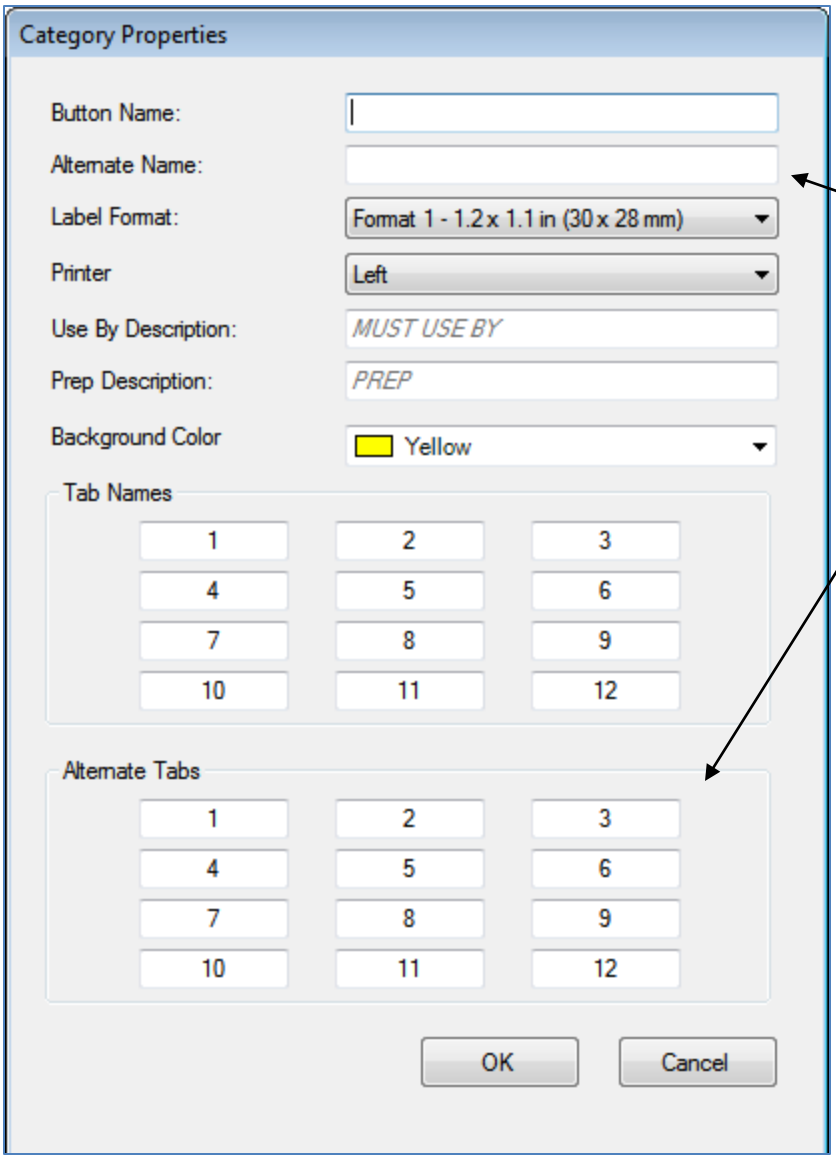


There are six categories, each category is color-coded. Each category can have up to 12 tabs of 16 product buttons for a total of 1,152 items.

See Appendix A, “Label Formats” for the size and content of each format.

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).

1. Click the category button you want to edit. The fields shown on the screen below are based on format selection; this screen differs when other formats are selected.



*Optional Fields

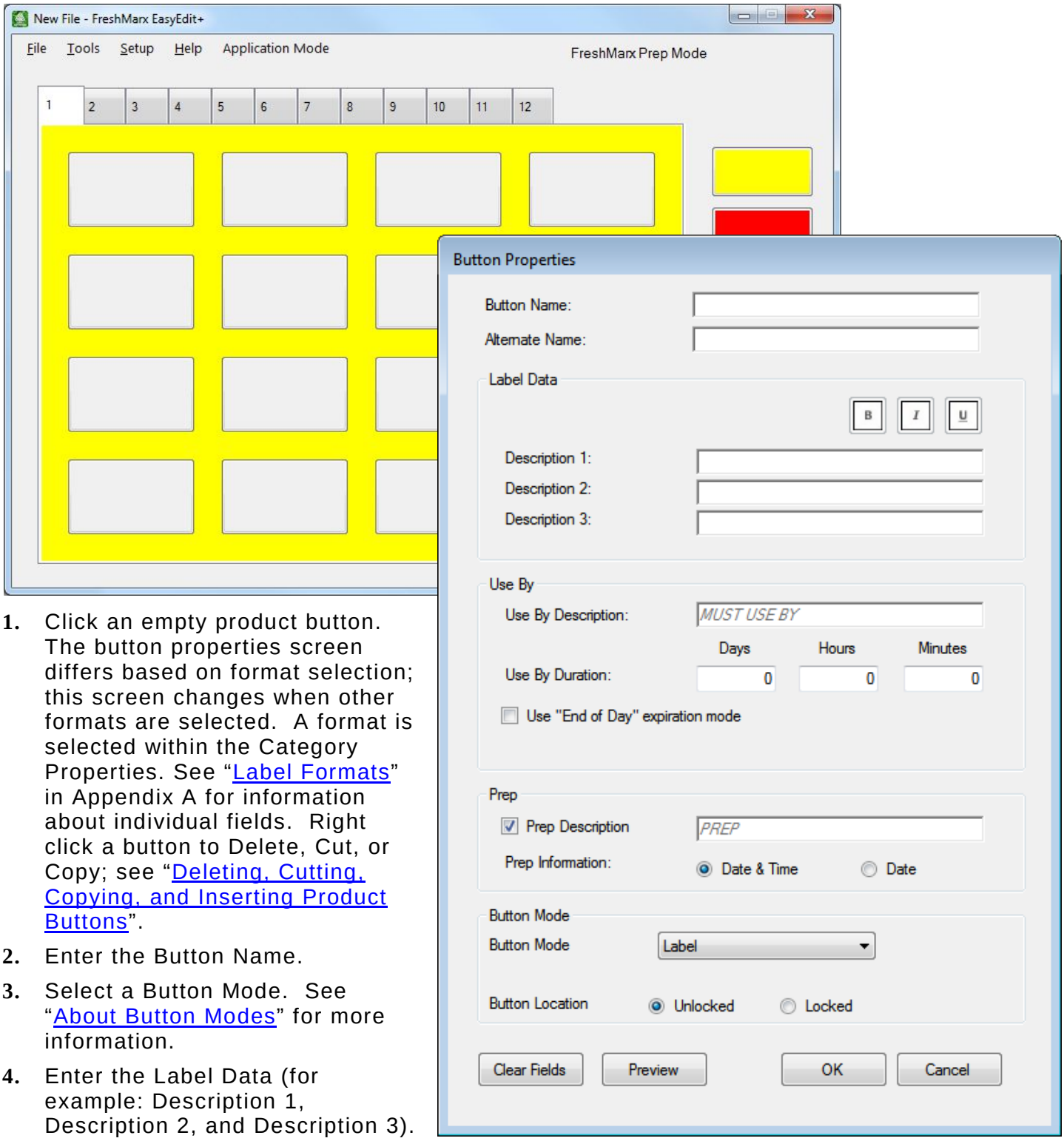
*The Alternate Name and Alternate Tabs fields are shown if you enable Alternate Button Names (see "Enabling Alternate Button Names" for more information). Enter the button's alternate name as you want it to appear when the operator presses the Language Toggle Button.

2. Enter the Button Name.
3. Select the Label Format for all products in this category. See "About Assigning Formats".

   If you select a format larger than the loaded labels, some information may not print.
4. Select a printer to print the product labels for this category. This option varies depending on how your data file is set up. This option does not appear if you specified a **single** 9417+ printer. See "Selecting a Printer" and "Specifying the Printer's Type" in Chapter 2 for more information.
5. To modify the Use By Description and/or Prep Description, remove the default text and enter your own.
6. Select the background color.
7. Enter the remaining fields as needed.
8. Enter the Tab Names if you want to change them from numeric order.
9. Click **OK** when finished.

Creating Product Buttons

The product button background is color-coded to match the category button.



1. Click an empty product button. The button properties screen differs based on format selection; this screen changes when other formats are selected. A format is selected within the Category Properties. See "Label Formats" in Appendix A for information about individual fields. Right click a button to Delete, Cut, or Copy; see "Deleting, Cutting, Copying, and Inserting Product Buttons".
2. Enter the Button Name.
3. Select a Button Mode. See "About Button Modes" for more information.
4. Enter the Label Data (for example: Description 1, Description 2, and Description 3). The Label Data information prints on the label when the product button is pressed.

   If nothing is entered for Description 1, the text entered for the Button Name is used.

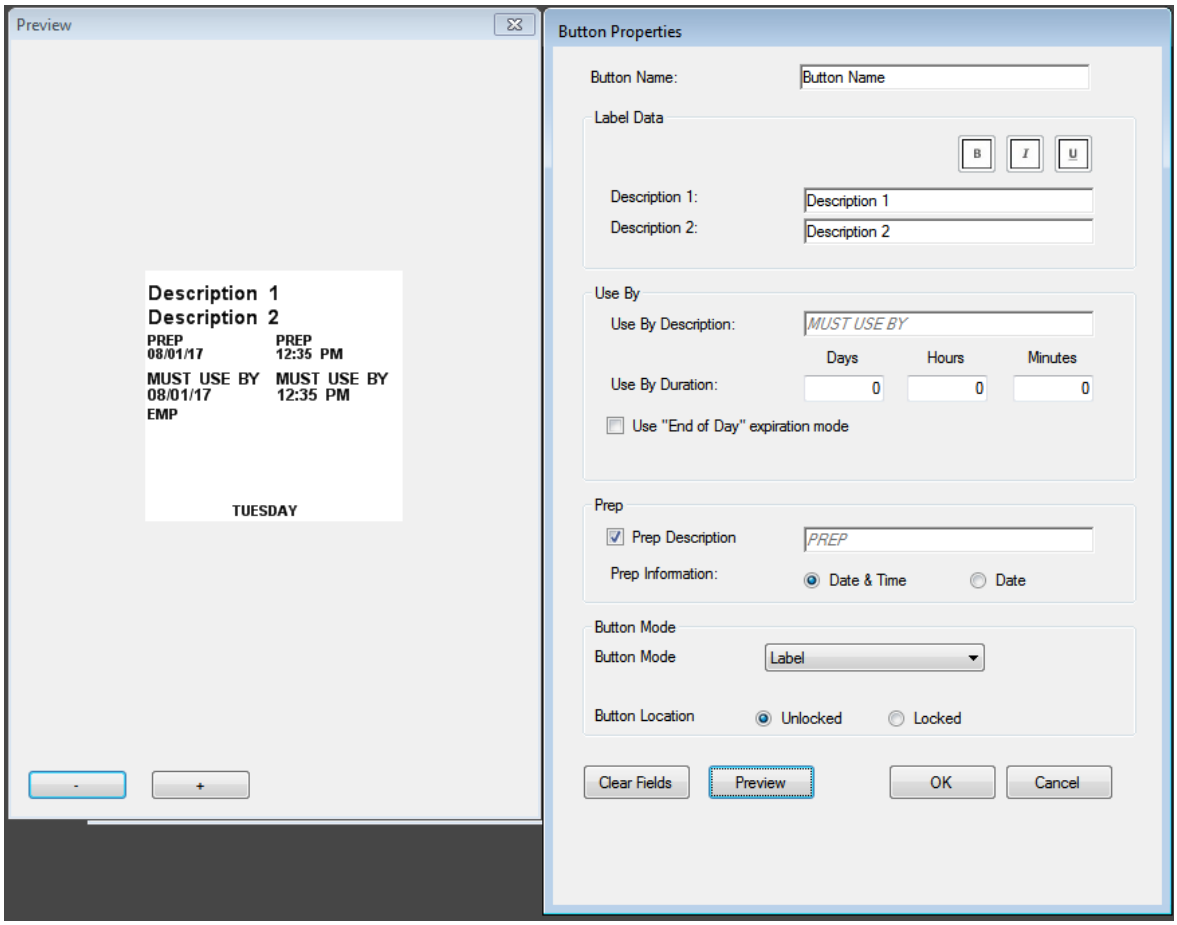
Set the product's duration (expiration time). See "About Freshness Labeling" for more information.

5. Select Prep Description to print preparation information on the label. If selected, edit the Prep Description as necessary. The default is “Prep.”
6. Select to print the preparation date & time or just the date.
7. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location. See “About Button Location” for more information.
8. Enter any other information as necessary. EasyEdit+ determines the maximum number of characters that will fit and will not let you enter more.
9. Click **OK** when finished.
10. Click the Category Buttons on the right to create product buttons within the different categories.
11. Click **OK** when finished.
12. Click **File**, then **Save** to save changes.

Label Preview

You can preview a label before printing.

1. Open the Button Properties screen.
2. Enter the necessary information.

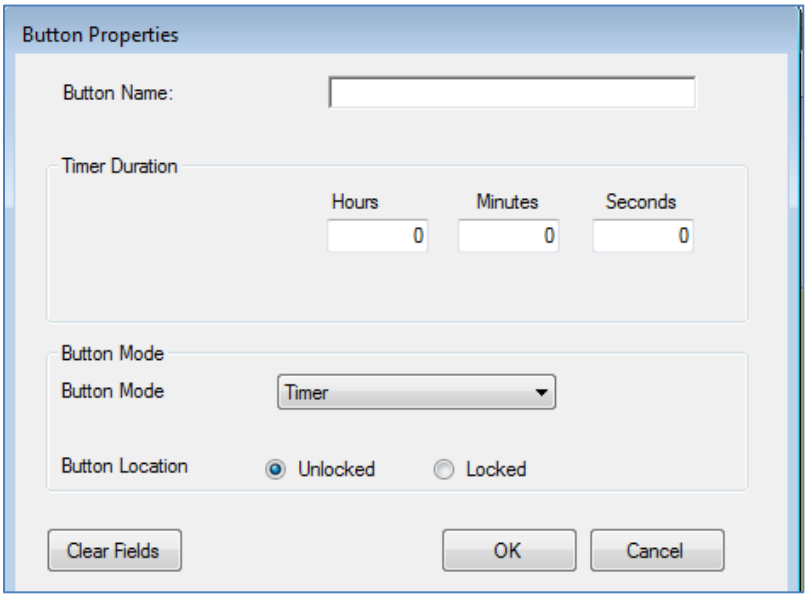


3. Click Preview. You see a preview of the label as it will print.
4. Click the buttons to zoom in and out.

Timer Button Mode

To create a timer product button:

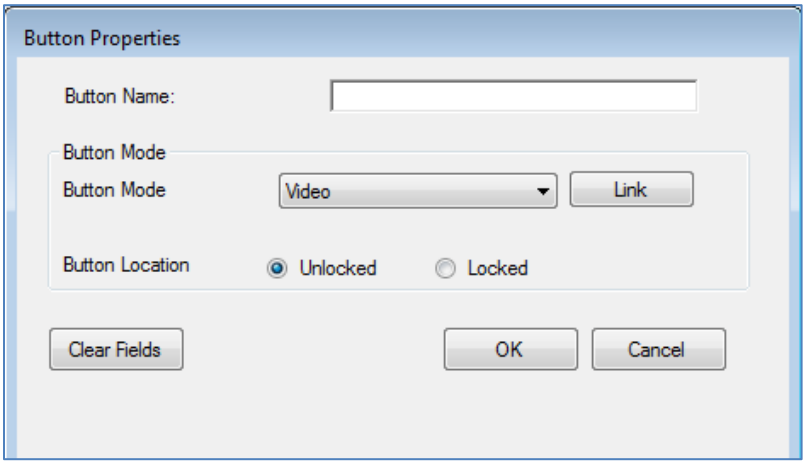
1. Select Timer as the Button Mode.
2. Enter the Button Name.
3. Enter the number of hours, minutes, and seconds for the timer.
4. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location.
5. Click **OK**.



Video Button Mode

To create a video product button:

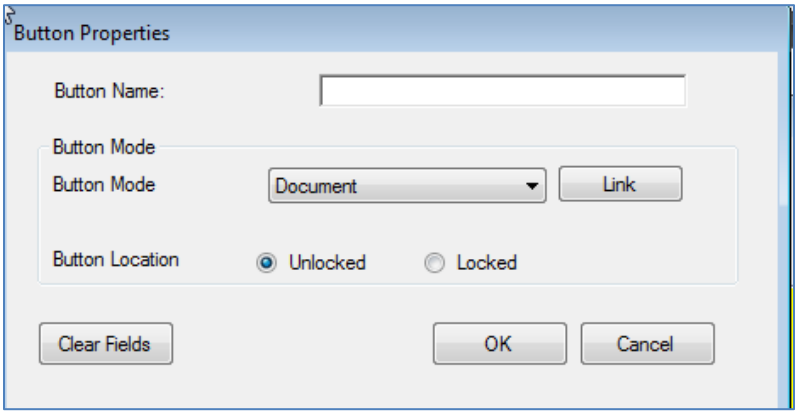
1. Select Video as the Button Mode.
2. Enter the Button Name.
3. Click Link then navigate to the video file you want to play when the product button is pressed.
4. Select if you want to lock the Button Location. When the product data is sorted, the button will is not affected and remains in its current location.
5. Click **OK**.



Document Button Mode

To create a document product button:

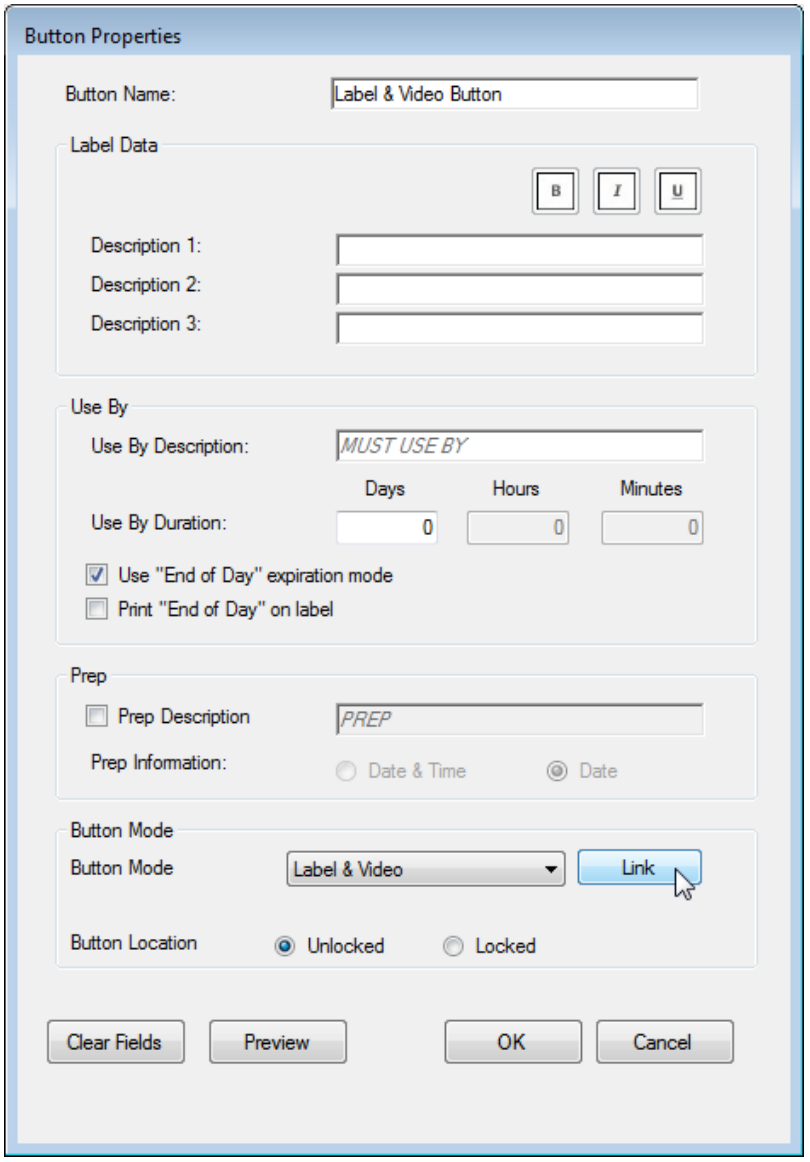
1. Select Document as the Button Mode.
2. Enter the Button Name.
3. Click Link then navigate to the document file you want to view when the product button is pressed.
4. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location. See "About Button Location" for more information.
5. Click **OK**.



Label & Video Button Mode

To create a label & video product button:

1. Select Label & Video as the Button Mode.
2. Enter the Button Name.
3. Enter the remaining fields as needed.
4. Click Link then navigate to the video file you want to play when the product button is pressed.
5. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location. See "About Button Location" for more information.
6. Click **OK**.



Label & Document Button Mode

To create a label & document product button:

1. Select Label & Document as the Button Mode.
2. Enter the Button Name.
3. Enter the remaining fields as needed.
4. Click Link then navigate to the document file you want to view when the product button is pressed.
5. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location. See "About Button Location" for more information.
6. Click **OK**.

Label & Timer Button Mode

To create a label & timer product button:

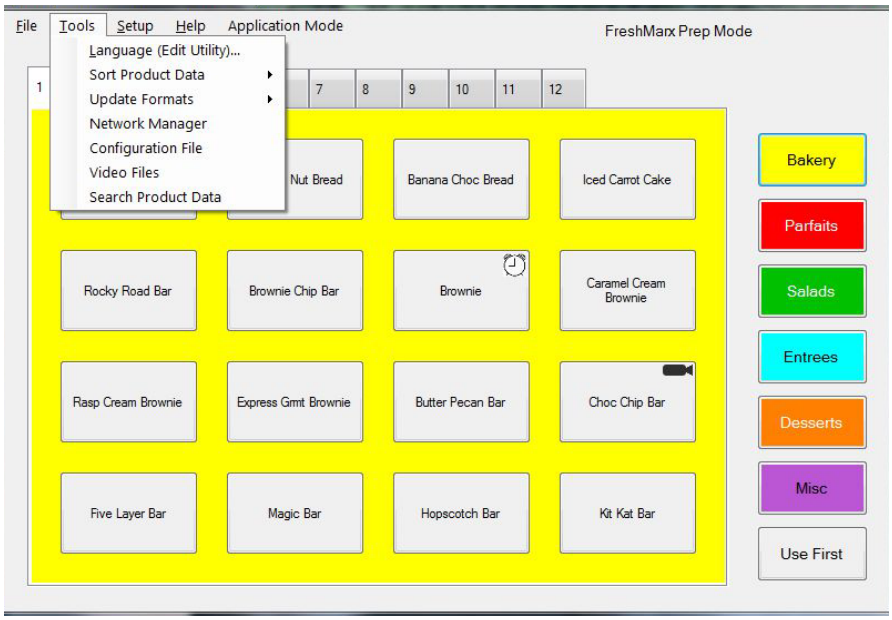
1. Select Label & Timer as the Button Mode.
2. Enter the Button Name.
3. Enter the remaining fields as needed.
4. Enter the timer duration (hours, minutes, seconds).
5. Select if you want to lock the Button Location. When the product data is sorted, the button is not affected and remains in its current location. See "About Button Location" for more information.
6. Click **OK**.

Selecting Videos

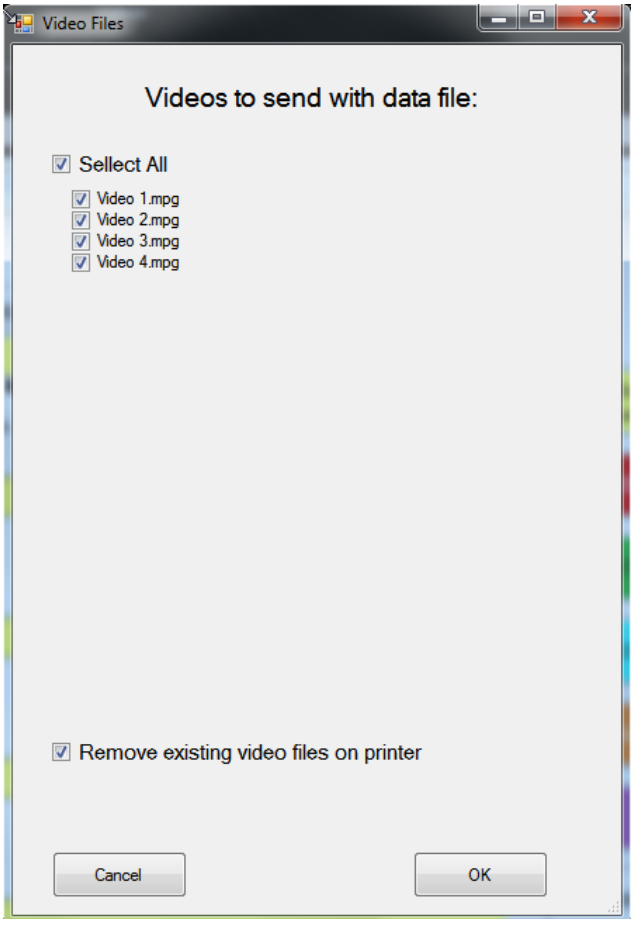
If you have numerous videos, you can select the ones to include with your .freshmarx data file. For example, you may want to only include new videos, those not already installed on the printer. If your .freshmarx file doesn't contain videos, the Video Files menu option is disabled.

To select videos to include with your .freshmarx file:

1. Select **Tools, Video Files**.



2. Select the videos you want to include.
   - All videos are checked by default.
   - Check the "Select All" box to check/uncheck all videos.
   - Check the "Remove existing video files on printer" box to remove all existing videos when the data file is installed on the printer. If this box is unchecked, existing videos remain.
3. Click **OK**.



Saving the Data File

To save your data file,

1. Click **File**, **Save** or **Save As...**.
2. Navigate to the drive where you want to save your file.
   - Save the file to a USB Flash drive to transfer it to a 9417+ printer via USB (refer to the *9417+ System Administrator's Guide* found on our Web site for more information).
   - Save the file to your computer to transfer it to a 9417+ printer via a network connection (see Chapter 5, "9417+ Network Manager" for more information).
3. Click **Save**. Your data file is saved as a .FRESHMARX file.

Note: Use .FRESHMARX data files only with FreshMarx Application version 3.0 or higher.

SORTING THE DATA FILE

4

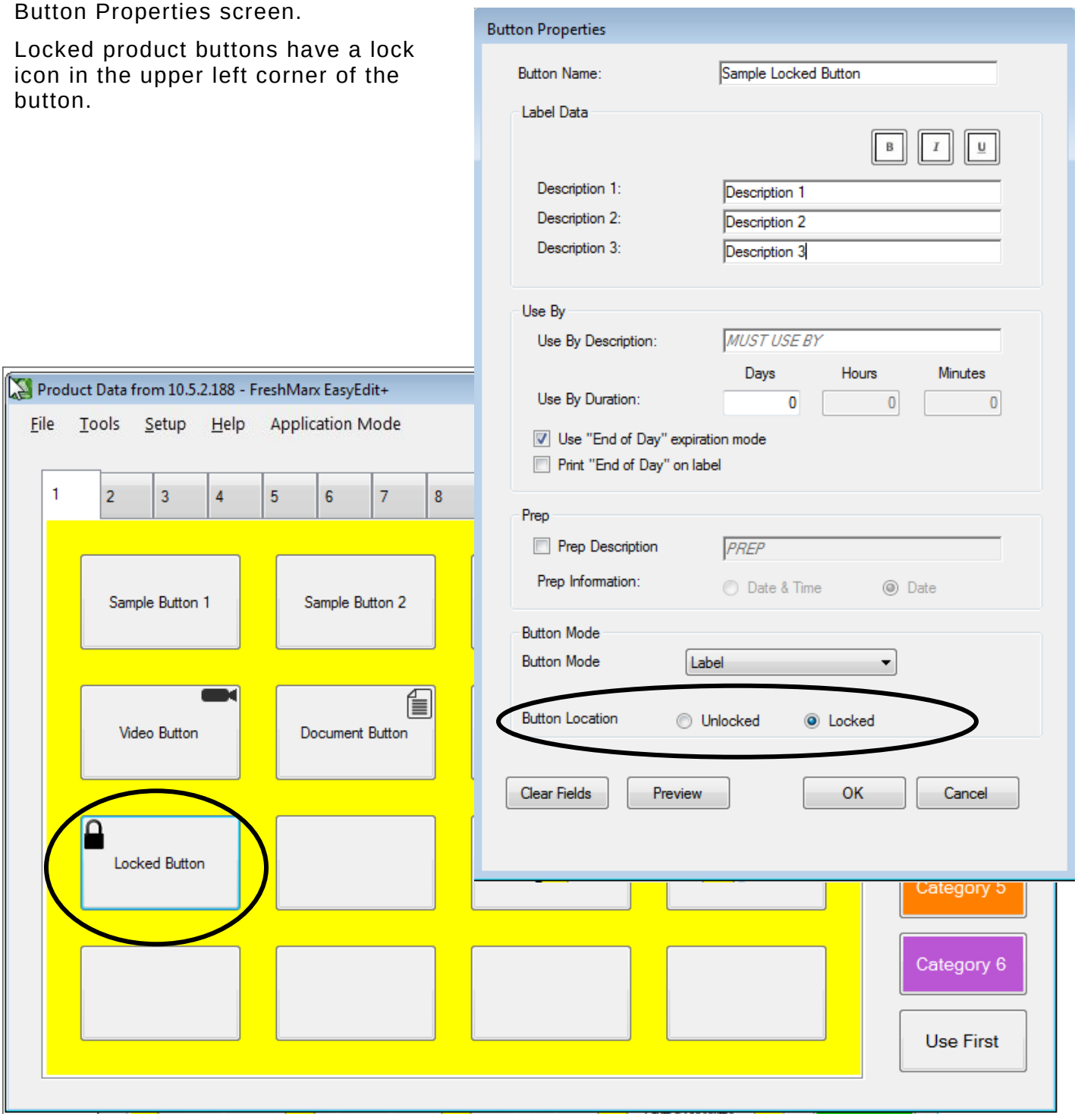
There are three sort modes available to organize your product data file. You can sort the buttons on each tab, or sort the buttons for an entire category, or sort all buttons.

Important Once you complete a sort, **it cannot be undone**.

Locking Button Location

Product button locations can be locked. When product data is sorted, locked buttons remain in their current location. To lock or unlock a button location, change the setting on the Button Properties screen.

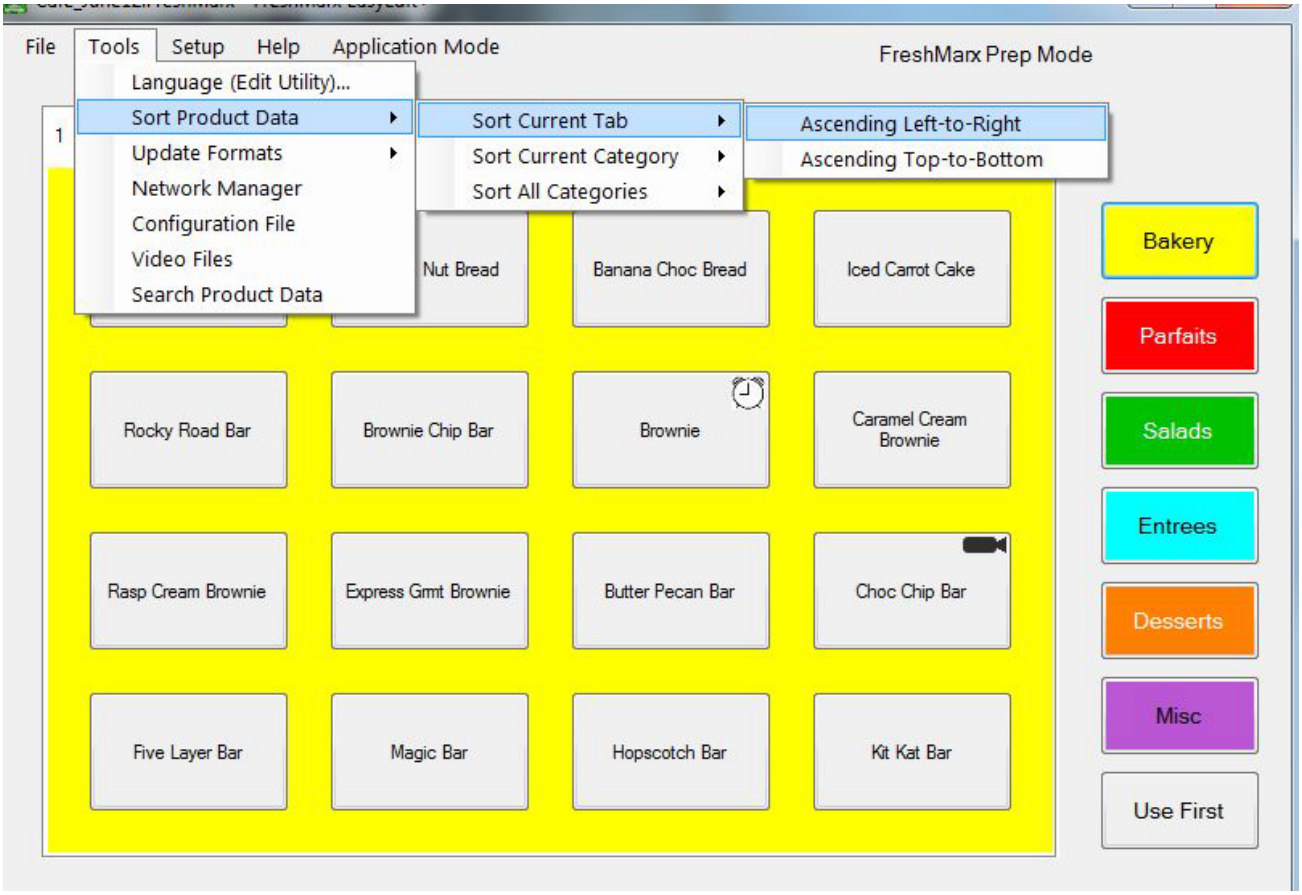
Locked product buttons have a lock icon in the upper left corner of the button.



Sorting Current Tab

To sort the buttons on a single tab:

1. Open the tab you want to sort.
2. Select **Tools, Sort Product Data, Sort Current Tab**.



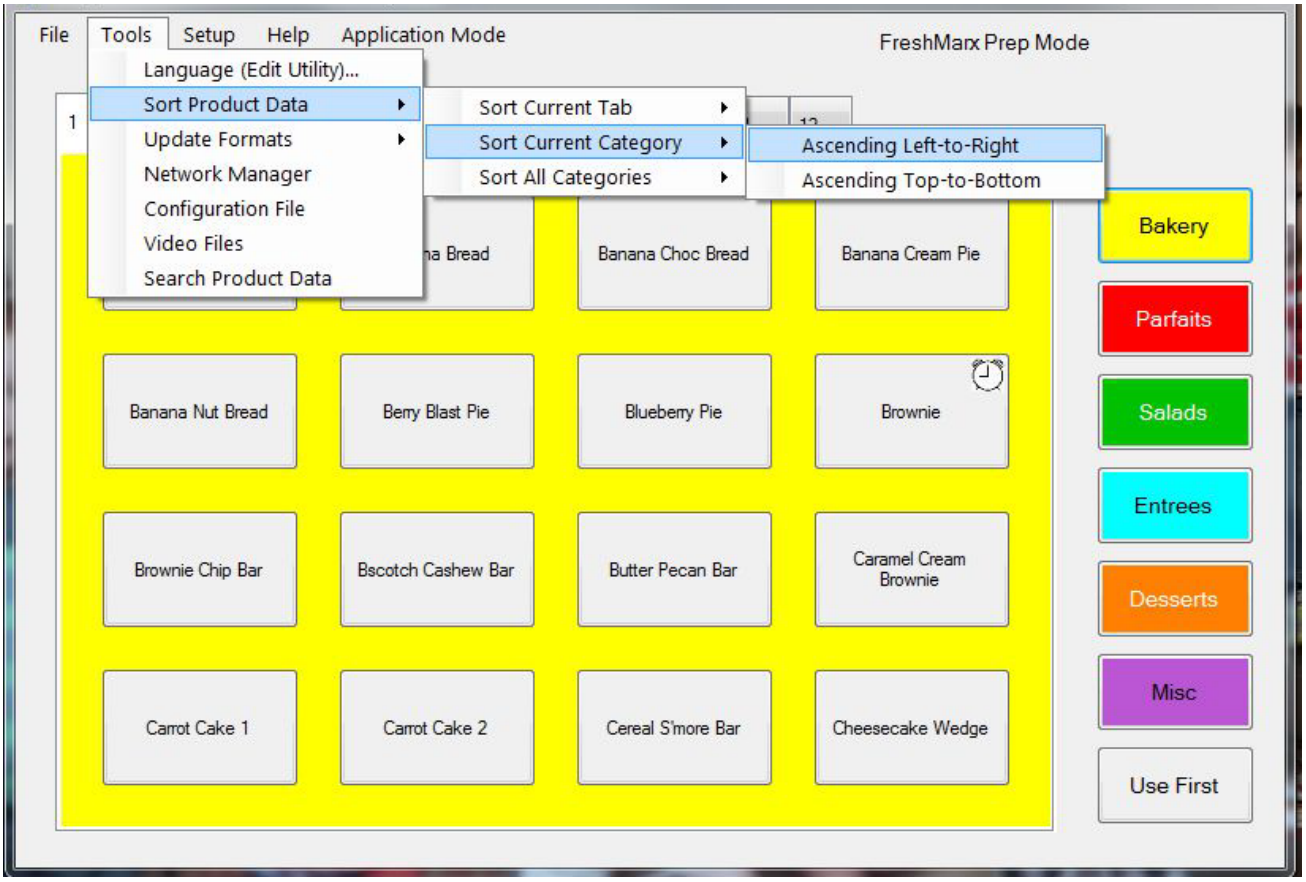
3. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row.
   Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top left button and going down each row.

Note: Locked buttons will not change location when product data is sorted.

Sorting Current Category

To sort all of the buttons within a category:

1. Open the category you want to sort.
2. Select **Tools, Sort Product Data, Sort Current Category**.



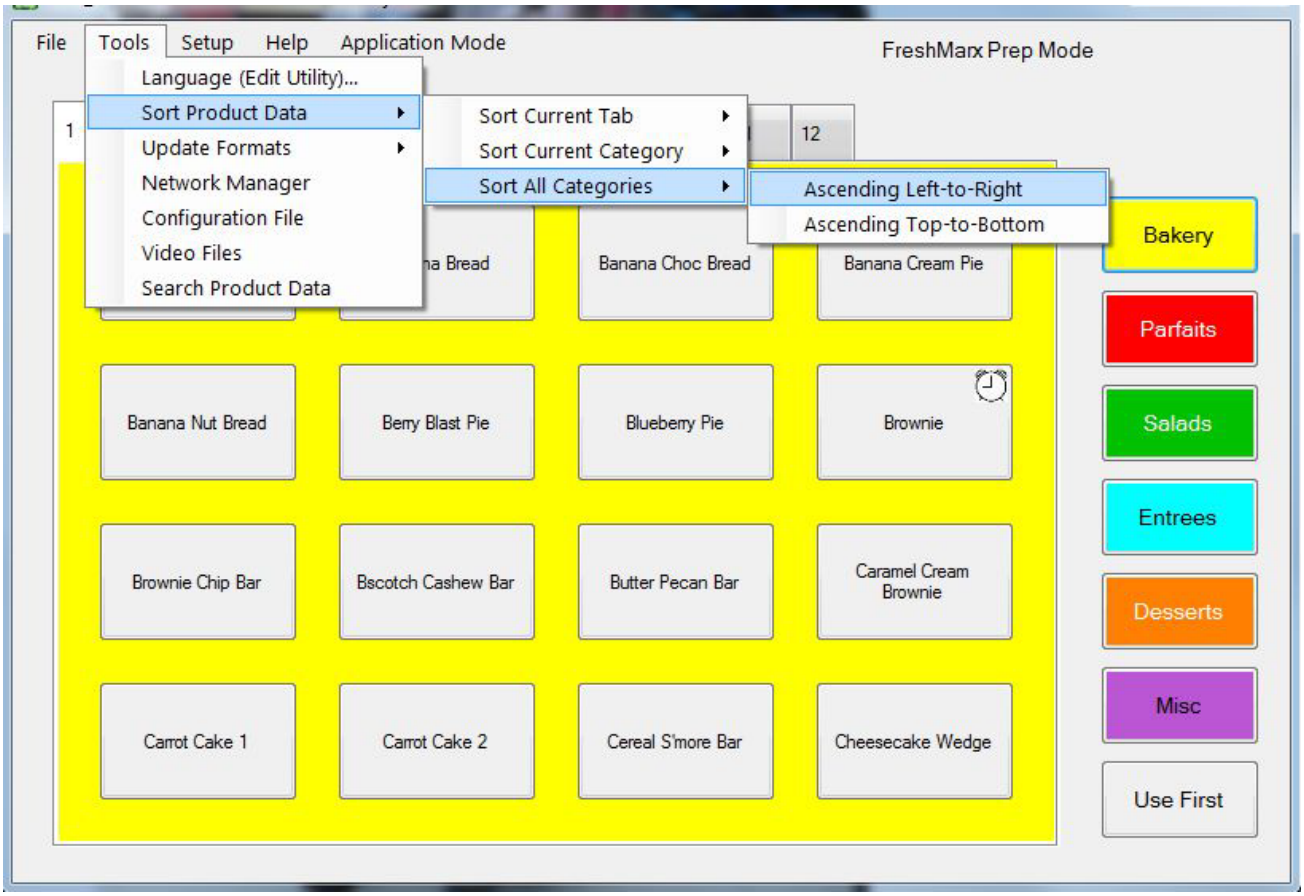
3. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row (and continuing for additional tabs). Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top left button and going down each row (and continuing for additional tabs).

Note: Locked buttons will not change location when product data is sorted.

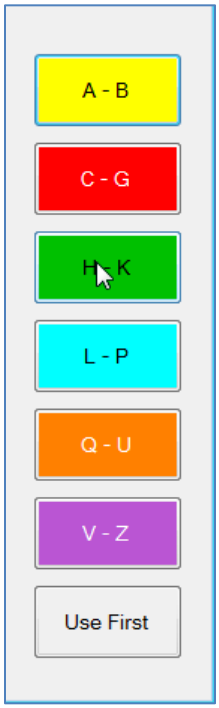
Sorting All Categories

To sort all of the buttons in your product data file independent of Category or Tab:

1. Select **Tools, Sort Product Data, Sort All Categories**.



2. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row (and continuing for additional tabs and categories).
   Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top left button and going down each row (and continuing for additional tabs and categories.).



Note: Locked buttons will not change location when product data is sorted.

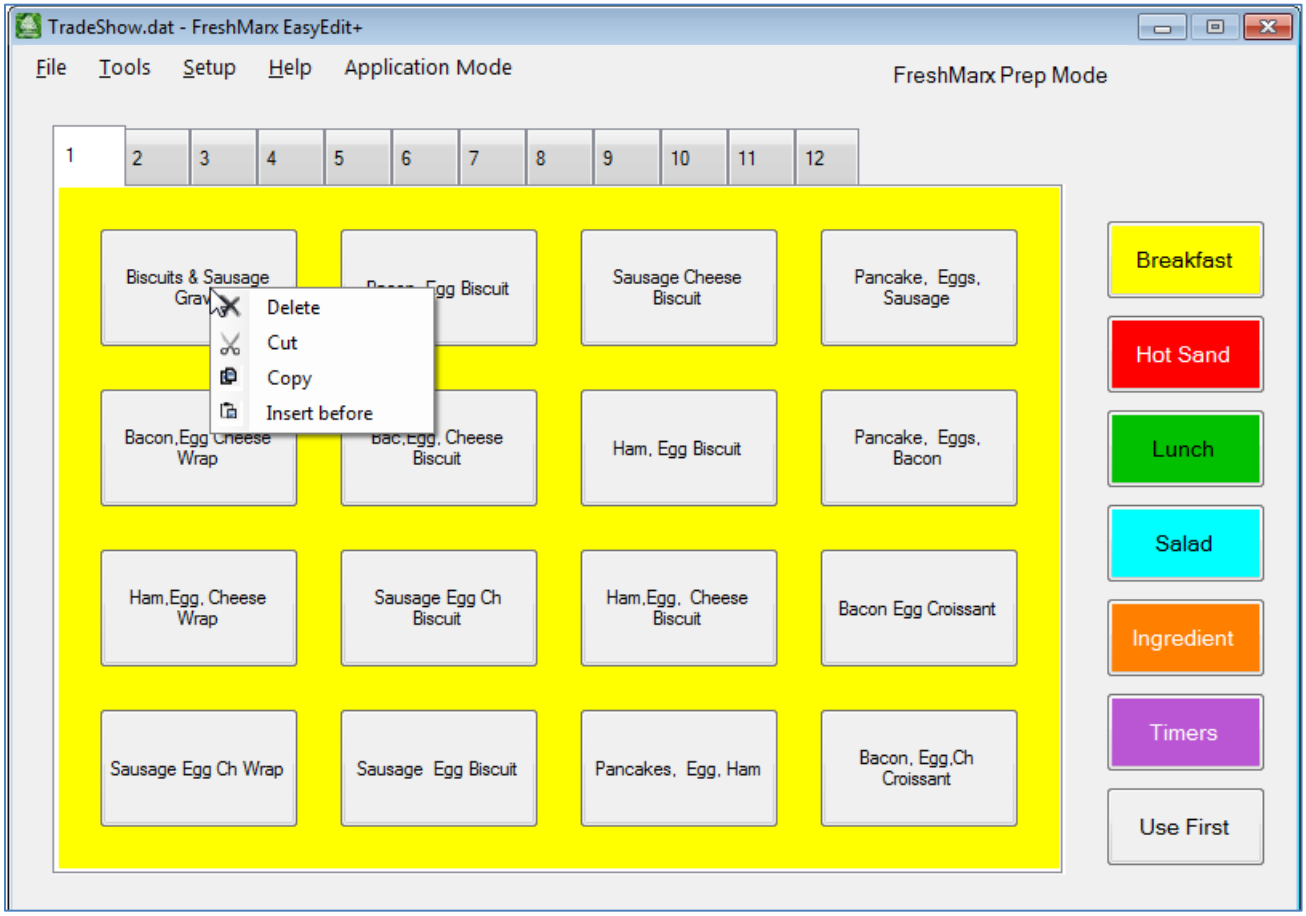
Alphabetizing Your Data

If your Product Data File contains a large number of items or is getting difficult to navigate, consider sorting all categories. For example, group all items starting with A - B, C – G, H – K, L – P, Q – U, and V – Z as shown below.

Grouping the items within your Product Data File allows them to be located quicker and is easier for your employees. Employees do not need to memorize each product's category.

Deleting, Cutting, Copying, & Inserting Product Buttons

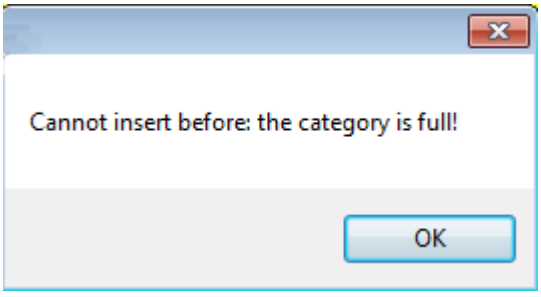
You can delete, cut, copy, and insert product buttons. Right click on the chosen product button to open the menu. If the chosen product button location is locked (see "Locking Button Location" for more information), the right click menu is disabled.



- Delete removes the product button from your data file.

  Once a button is deleted, it cannot be undone.
- Cut removes the product button from the current location and stores it on the clipboard.
- Copy makes a copy of the button and stores it on the clipboard.
- Insert before places a cut or copied button before the selected button. Once a button is inserted, all unlocked buttons will adjust their location.

  If a category is full, a copied product button cannot be inserted.



USING NETWORK MANAGER

5

EasyEdit+ and the 9417+ Printer use SFTP (Secure File Transfer Protocol) to send and receive files. Each printer can communicate with a remote SFTP server and hosts its own SFTP server to allow a remote client to push files to it. Files will not be shared from printer to printer on the same network.

To open the Network Manager, select **Tools**, **Network Manager** and enter the default password: **avery1239417**.

The Network Manager has four tabs; Update, Printers, Groups and Password.

Working With an SFTP Server

To pull updates from a server, the server needs to have a *config.xml* file stored in its root folder.

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>
  <Application Path='132027 FreshMarx Mfg Build  32.cab' Version='3.2.11.0' Silence='N'>
  </Application>
</Upload>
```

3. Modify the following areas of the pasted text:

   In the data block:

   - 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.

   In the application block:

   - 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.

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

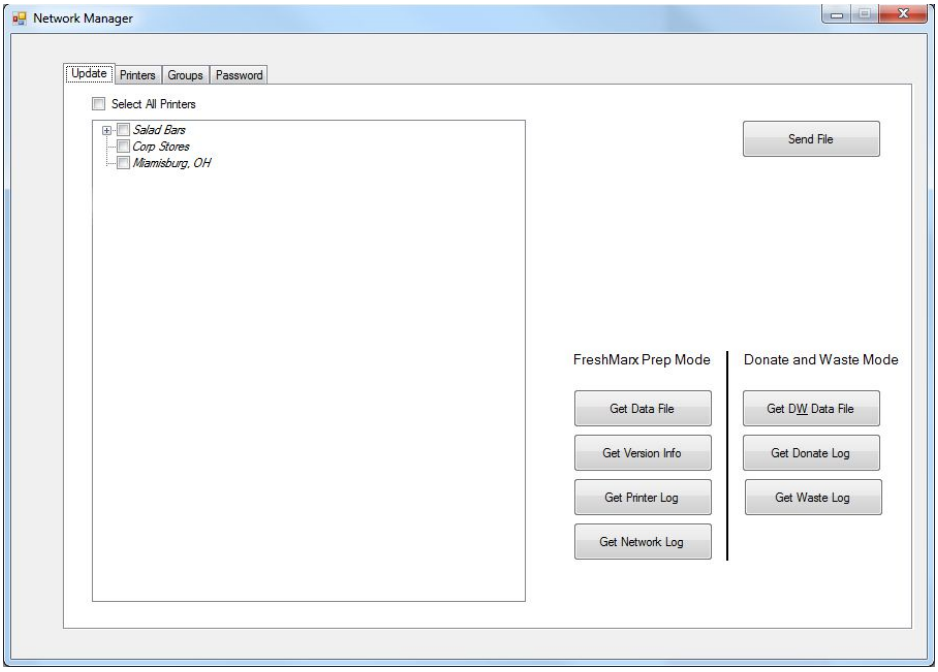
Note: The data block and application block are both optional. Only one of each should be defined; you cannot specify more than one data file or application file.

Updating Printers & Files

Use the Update Tab to select printers to send and receive files via SFTP.

- Hover over a group to see the group description; hover over a printer to see the IP address.
- Click the + button to expand the group to show all printers within the group.
- Click the box beside a group to select all printers within that group. Click the box beside an individual printer to select that printer.
- Click the box beside Select All Printers to select all printers and groups.
- If you select a group then deselect a printer within that group, the group checkbox is deselected.

Updating the 9417+ Printer



1. Select the printer(s) to update.
2. Click the **Send File...** button.
3. Select the file to send then click **Open**.
   Files can include .enc (encrypted configuration file, See "Printer Configuration File" for more information), .freshmarx (data file), .cab (application) and .sdc (Summit config file (wireless network)).
4. You see a progress bar while the file transfers to the printer(s).

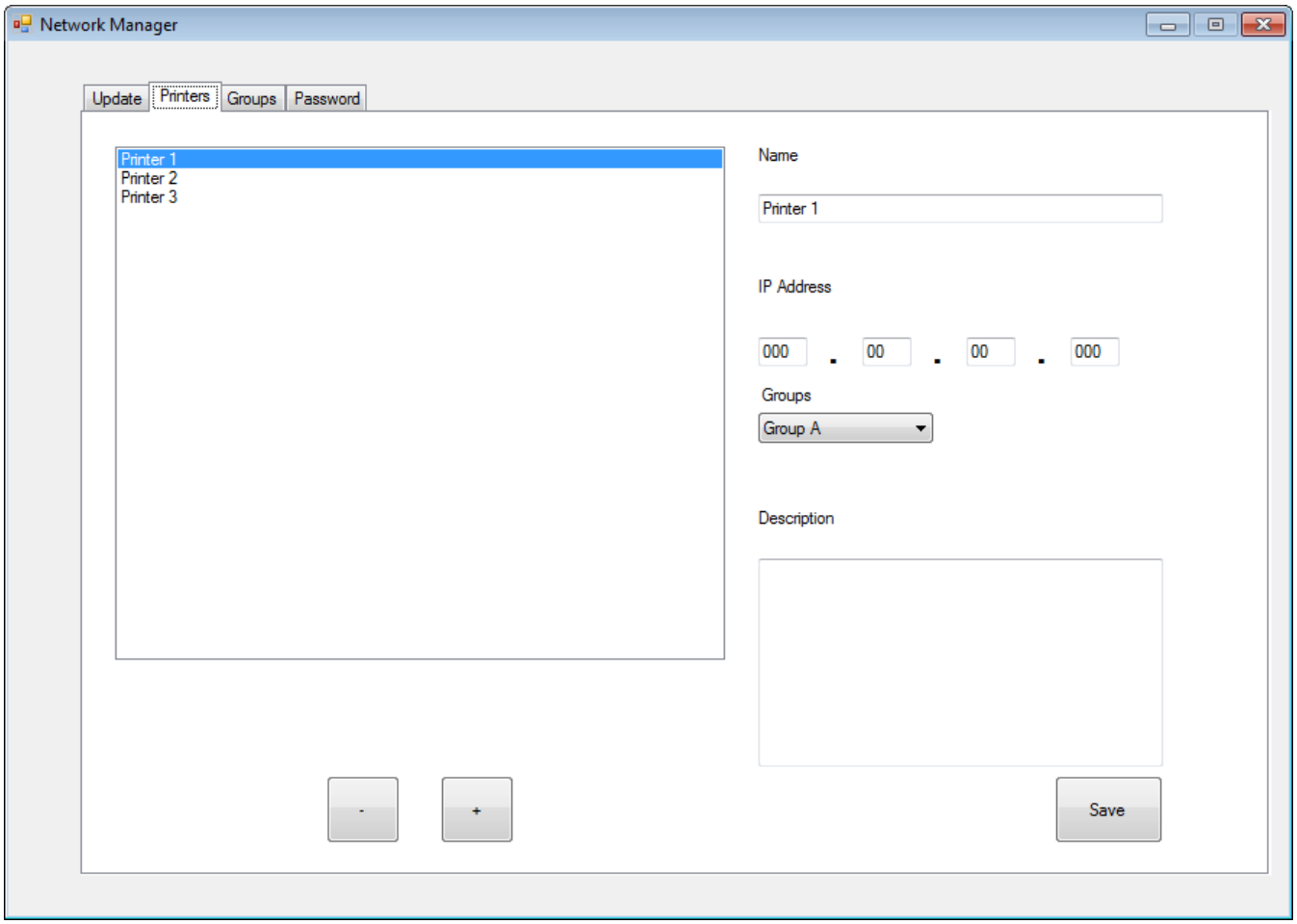
Note: EasyEdit+ automatically displays a report after sending any files to the printer. The report lists which printers received the file and any printers that failed to receive the file. This report is saved as a text file; the file name is "SendFileLog_DATE-TIME".

Getting Files from the 9417+ Printer

To get a Donate and Waste log file, see "Getting Donate and Waste Log Files" for more information. The Donate and Waste application must be purchased separately.

1. Select the printer to get a file.
2. Click the **Get Data File**, **Get Version Info**, **Get Printer Log**, or **Get Network Log** button.
   - The data file is saved as "PrinterName_Data.freshmarx".
   - The version file is saved as "PrinterName_Version.info".
   - The printer log is saved as "PrinterName_PrinterLog.log". This file contains information about printer activity such as labels printed.
   - The network log file is saved as "PrinterName_FreshMarx.log". The Network log file contains data about network actions, such as information being sent to and from the printer.
3. Navigate to the location you want to save the file then click **OK**.
4. You see a progress bar while the file transfers from the printer(s).

Use the Printers Tab to add and remove printers. You can also change a printer's IP address.



Adding a Printer

1. Click the **+** button to add a printer.
2. Enter a printer name and IP Address.
3. If you have created groups, you can add a printer to a group using the drop down menu. Printers are not required to be in a group.
4. Enter a Description (optional).
5. Click **Save**. You see the new printer listed in the box.

Removing a Printer

1. Select the printer to remove.
2. Click the **–** button
3. Select **Yes** when prompted. The printer is removed from the list.

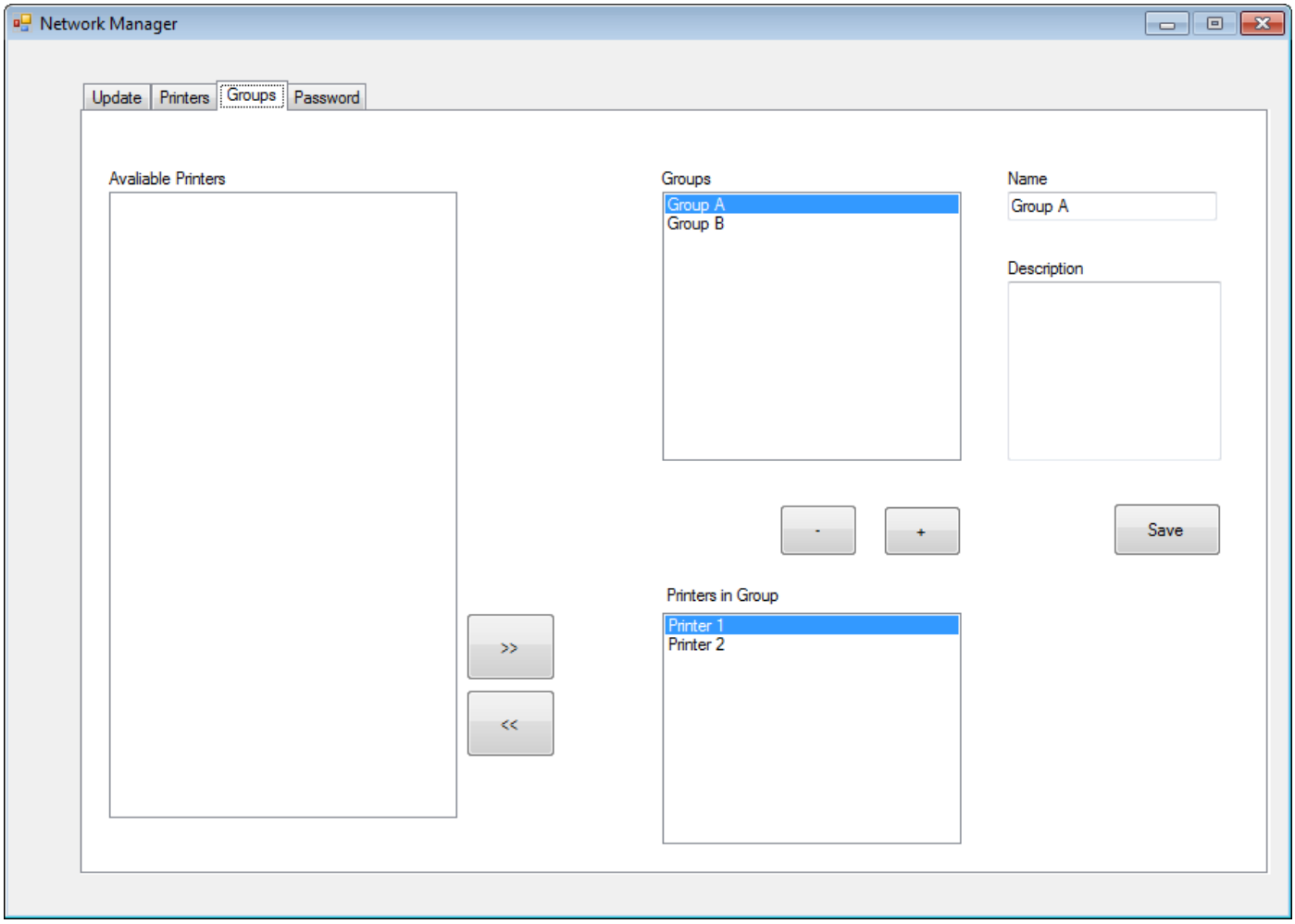
Changing a Printer IP

1. Select the printer to modify.
2. Enter the new IP Address.
3. Click **Save**.

Note: The Save button is disabled until information in the Name, IP Address, and/or Description fields is entered or modified.

Managing Printer Groups

Use the groups tab to organize your printers into groups.



Creating a Group

1. Click the **+** button to add a group.
2. Enter a Group Name and Description (optional).
3. Click **Save**.

Editing a Group

To add a printer to a group,

1. Select the group
2. Select the printer you want to add or remove.
3. Click the **>>** button to add the printer to the group. Click the **<<** button to remove the printer from the group.

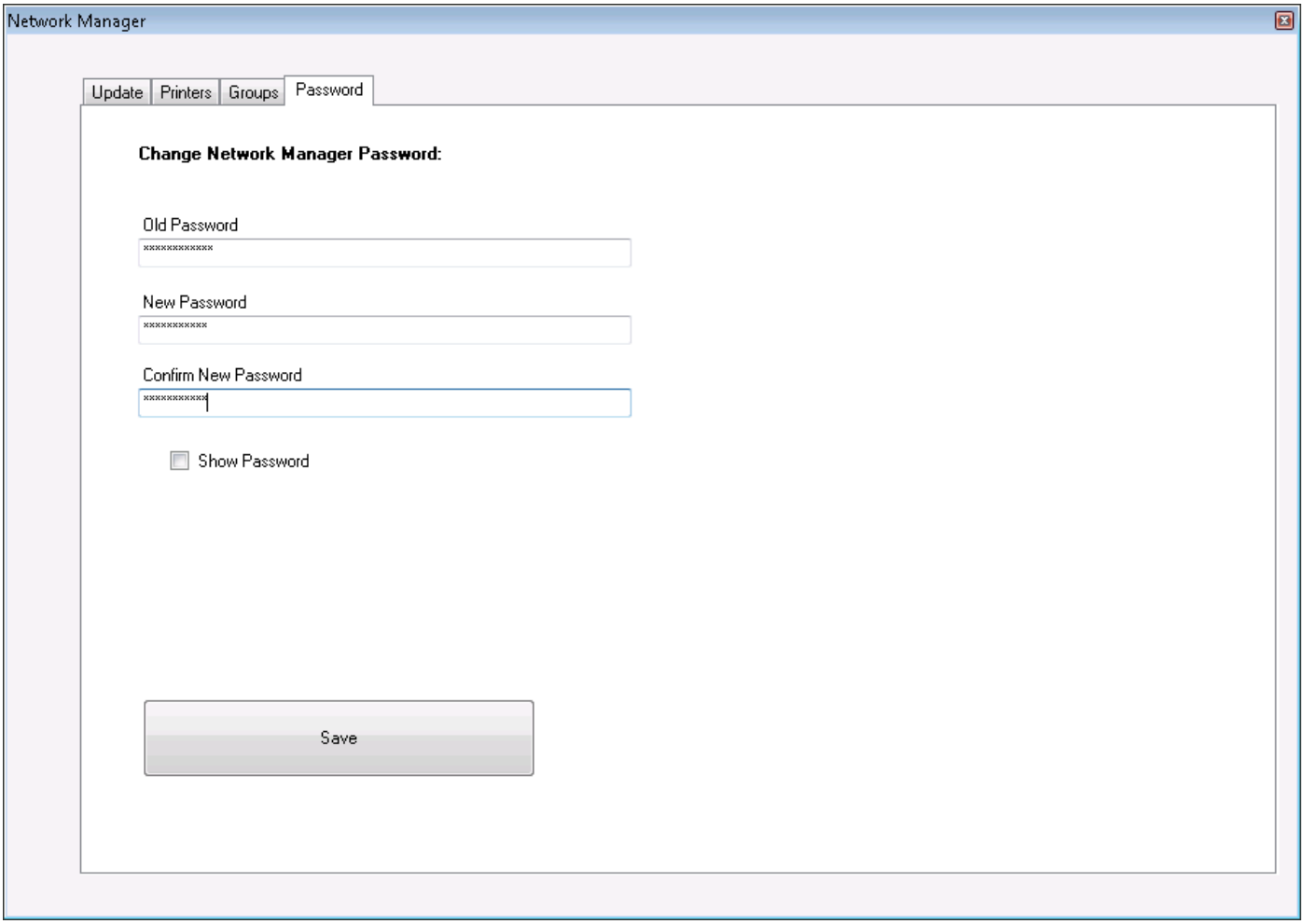
Deleting a Group

1. Select the group
2. Click the **-** button to remove the group.
3. Select **Yes** when prompted. The group is removed from the list.

Note: The Save button is disabled until information in the Name and/or Description fields is entered or modified.

Changing the Network Manager Password

Use the Password tab to change the Network manager password. The default password is **avery1239417**.



9417+ CONFIGURATION FILE

6

You can use EasyEdit+ to create an encrypted XML-based configuration file that contains settings you want to remotely set on the 9417+ Printer. The configuration file is saved as a *.enc file type.

To create a configuration file,

1. Select **Tools, Configuration File**.
2. Enter the Network Manager Password. The default password is **avery1239417**.

You see five tabs; Printer, LAN, Wi-Fi, Network, and Users. Each tab shows the settings you can modify on the printer. The tabs have the option to select Use Printer Settings. Check this to use the printer's settings instead of setting them using the configuration file.

Opening a Configuration File

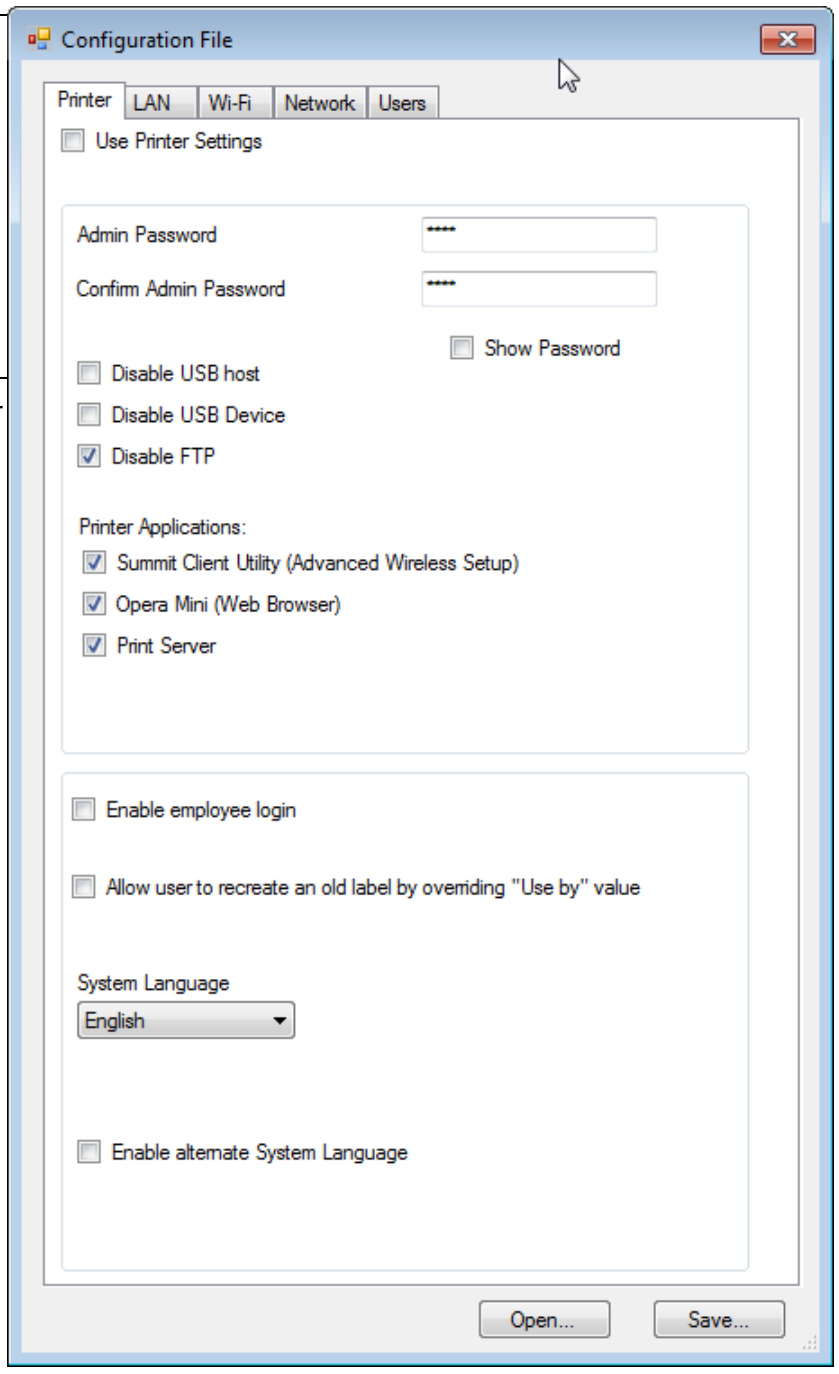
To open an existing configuration file:

1. Select **Open...** on the Configuration File screen.
2. Navigate to the saved configuration file (*.enc file).
3. Select **Open**. The settings from this file populate the tabs.

Printer Settings

To use a configuration file to set Printer settings,

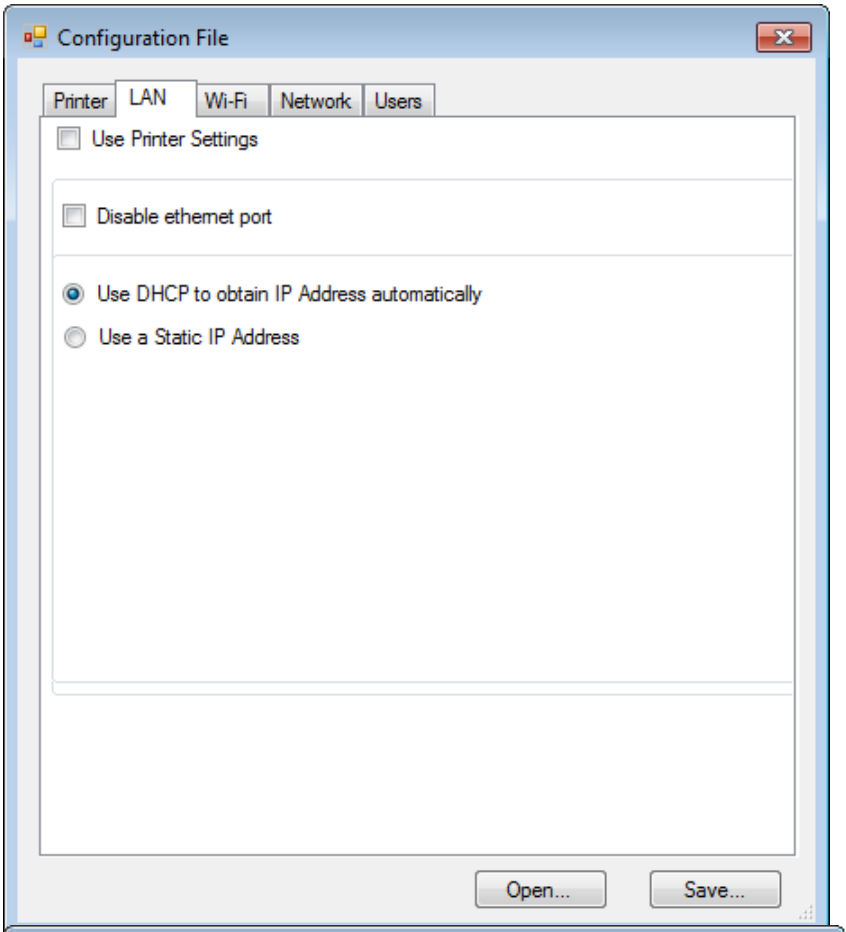
1. Select the Printer tab.
2. Deselect Use Printer Settings.
3. Modify the settings as needed.
4. Click **Save...** or use the other tabs to modify settings.



LAN Settings

To use a configuration file to set LAN (Local Area Network) settings:

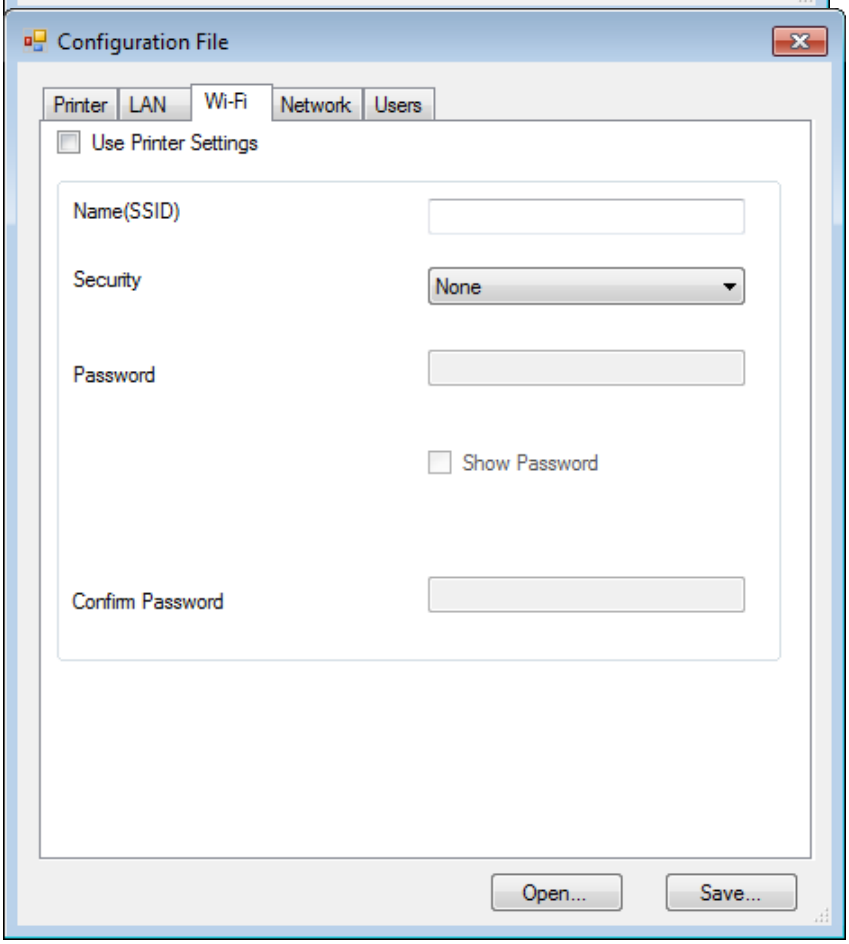
1. Select the LAN tab.
2. Deselect Use Printer Settings.
3. Modify the settings as needed.
4. Click **Save...** or use the other tabs to modify settings.



WiFi Settings

To use a configuration file to set Wireless settings:

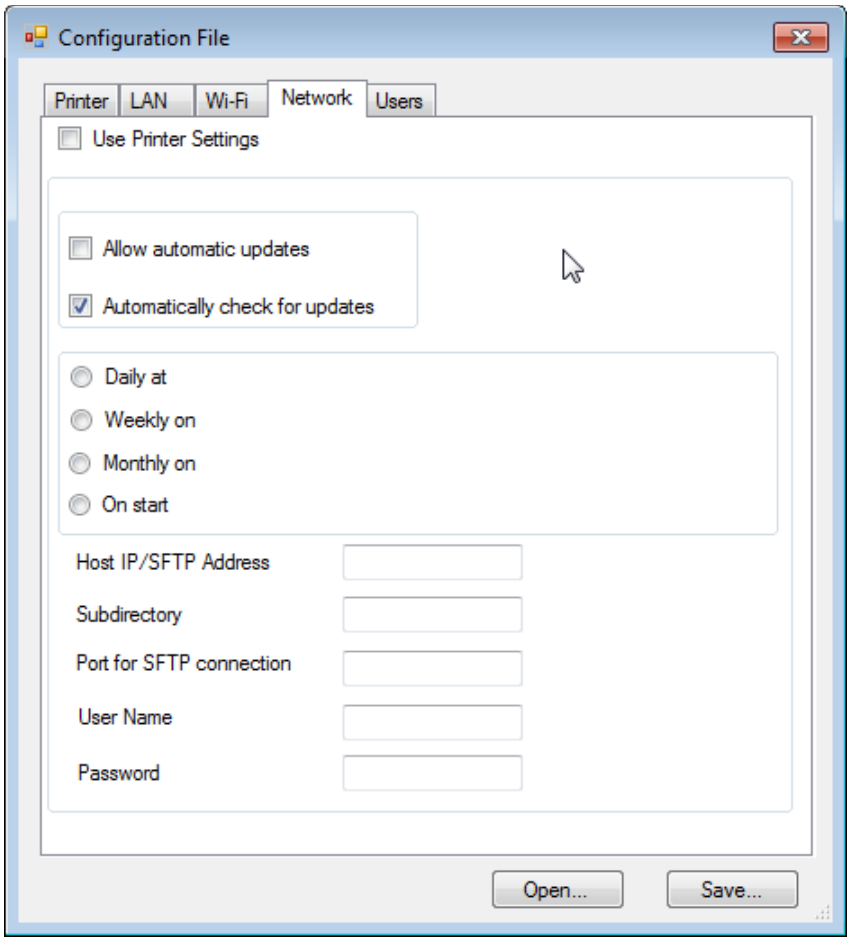
1. Select the Wi-Fi tab.
2. Deselect Use Printer Settings.
3. Modify the settings as needed.
4. Click **Save...** or use the other tabs to modify settings.



Network Settings

To use a configuration file to set Network settings:

1. Select the SFTP tab.
2. Deselect Use Printer Settings.
3. Modify the settings as needed.
4. Click **Save...** or use the other tabs to modify settings.



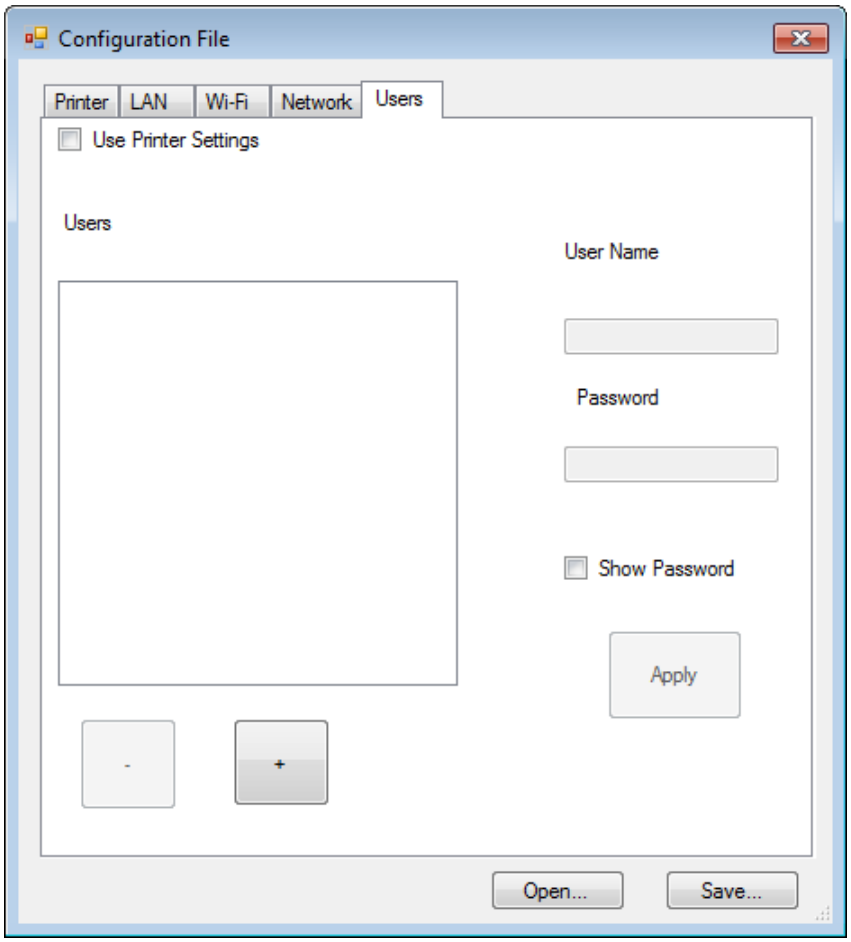
SFTP Server User Settings

To use a configuration file to set SFTP server user settings:

1. Select the Users tab.
2. Deselect Use Printer Settings.
3. Click the **+** button to add a user.
4. Enter a User Name and a password.
5. Click **Apply**. The new user is listed in the Users box.

To remove a user:

1. Select that user in the Users box
2. Click the – button to remove the user.
3. Confirm the action in the pop-up message.



STANDARD LABEL FORMATS

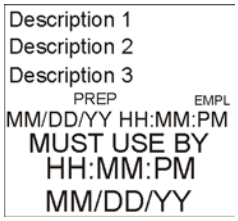
A

This appendix shows a sample of each label format. If the selected format is larger than the loaded supply, some information may not print.

When selecting formats, ***the maximum number of characters shown for each field is a guide.*** The printer uses a proportionally-spaced font, which does not have a set width for each character. For example, the letters I, L and W have different widths. To estimate the maximum number of characters a field can contain, use the letter "W." If bolding is applied to a word, the word becomes wider, which means less characters may print in a field.

Format 1

Prints 1.2" wide x 1.1" long labels.



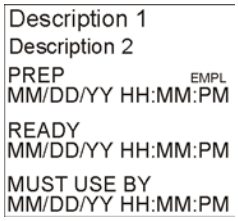
Enter the following information for each field:

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.

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

Format 2

Prints 1.2" wide x 1.1" long labels.



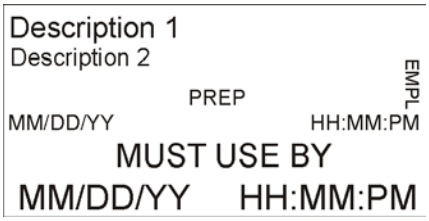
Enter the following information for each field:

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.

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

Format 3

Prints 2.2” wide x 1.1” long labels.



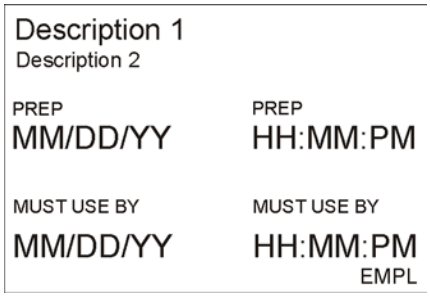
Enter the following information for each field:

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.

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

Format 4

Prints 2.2” wide x 1.5” long labels.



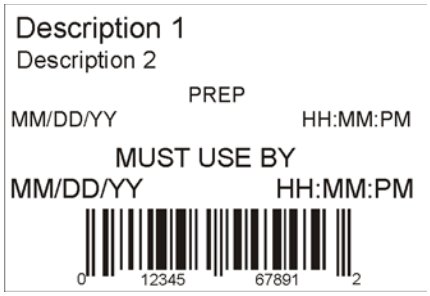
Enter the following information for each field:

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.

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

Format 5

Prints 2.2” wide x 1.5” long labels.

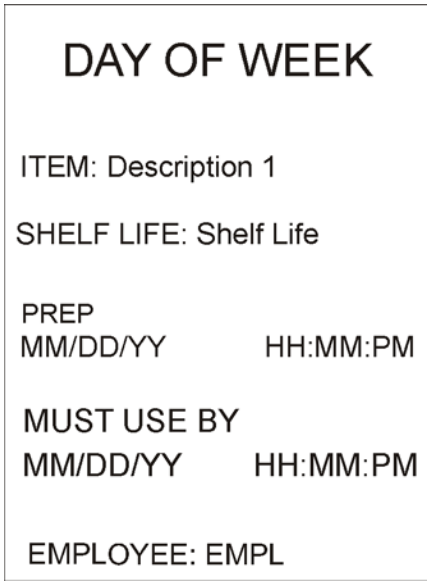


Enter the following information for each field:

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.
Barcode	Must enter the correct number of characters based on barcode type

Format 6

Prints 2.2” wide x 3.0” long labels.



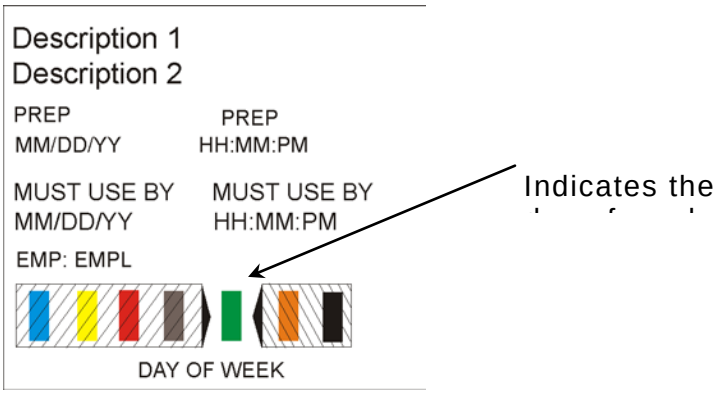
Enter the following information for each field:

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.

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

Format 7

Prints 2.2” wide x 2.0” long labels.



Note: 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.

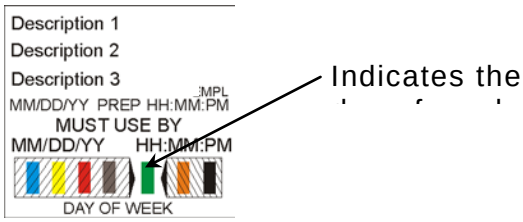
Enter the following information for each field:

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.

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

Format 8

Prints 1.2” wide x 1.1” long labels.



Note: 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.

Note: 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:

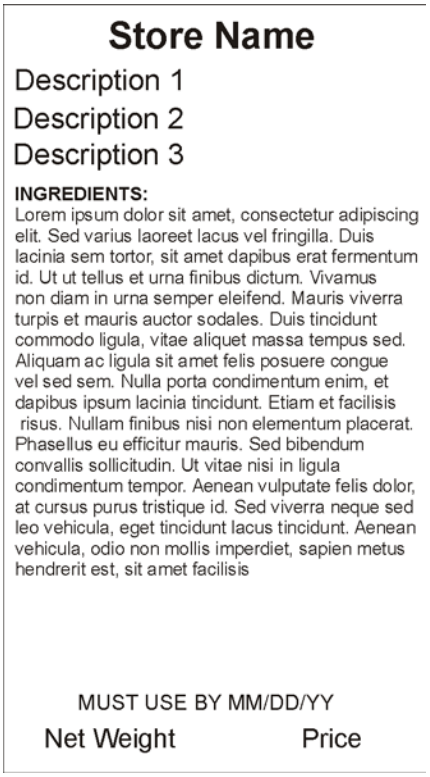
Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Ingredients	Prints up to 875 characters.
Allergens	Prints up to 50 characters.
Prep	Prints the date in MM/DD/YY format.
Must Use By	Prints the date in MM/DD/YY 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
Barcode	Must enter the correct number of characters based on barcode type

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.

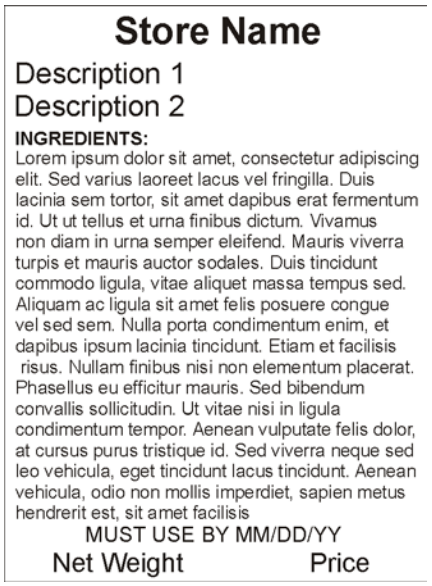


Format 12

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.

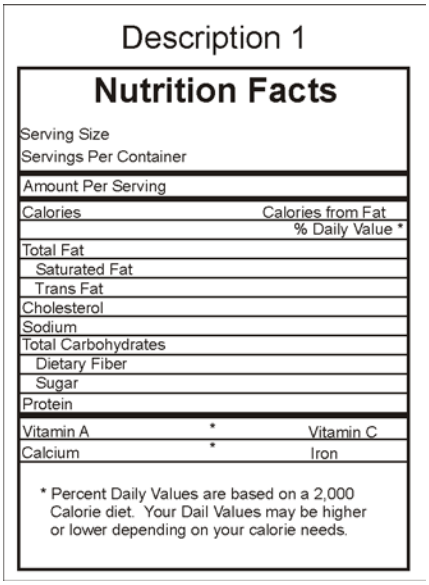


Format 20

Prints 2.2” wide x 3.0” long labels.

Enter the following information for each field:

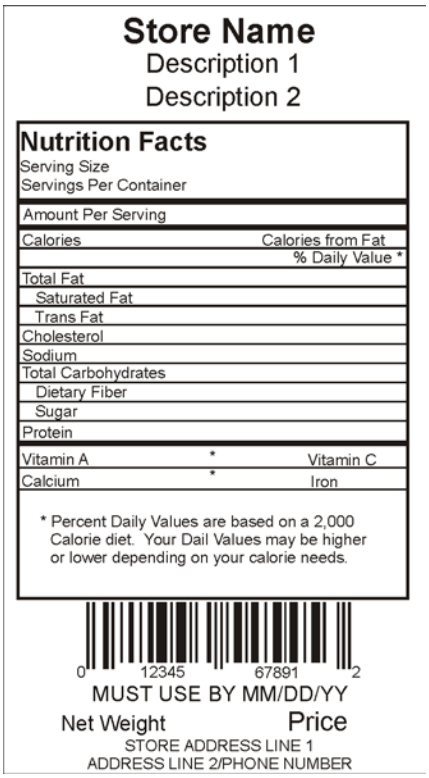
Field	Description
Description 1	Prints up to 23 characters.
Serving Size	Prints up to 25 characters.
Servings Per Container	Prints up to 10 characters.
Calories	Prints up to 6 characters: numbers 0-9 and period only.
Fat Calories	Prints up to 6 characters: numbers 0-9 and period only.
Total Fat (g & %)	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
Barcode	Must enter the correct number of characters based on barcode type

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
Barcode	Must enter the correct number of characters based on barcode type

Format 23

Prints 2.2” wide x 4.0” long labels.

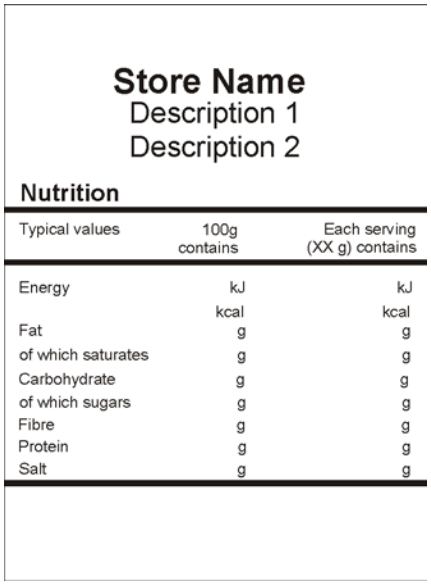
Enter the following information for each field:

Field	Description
Description 1	Prints up to 23 characters.
Serving Size	Prints up to 23 characters.
Servings per Container	Prints up to 23 characters.
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.
Includes Added 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 D (%)	Prints up to 6 characters: numbers 0-9 and period only.
Calcium (%)	Prints up to 6 characters: numbers 0-9 and period only.
Iron (%)	Prints up to 6 characters: numbers 0-9 and period only.
Potassium (%)	Prints up to 6 characters: numbers 0-9 and period only.

Format 30

Prints 2.2” wide x 3.0” long labels.

Enter the following information for each field:

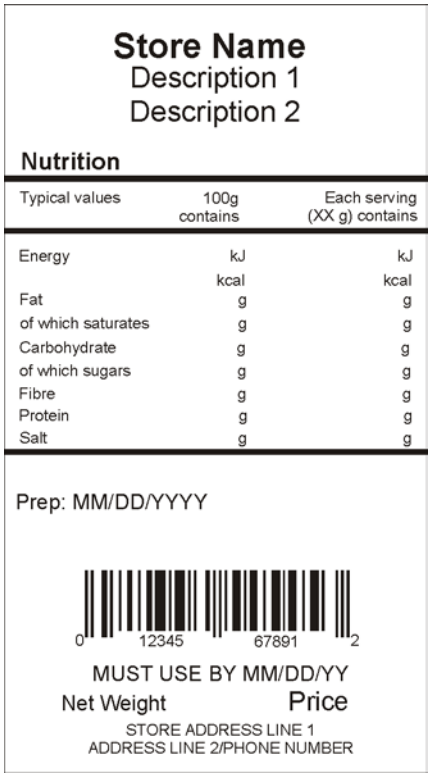


Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Each serving (XXg) contains	Prints up to 28 characters.
Energy (kJ and kcal)	Prints up to 6 characters: numbers 0-9 and period only..
Fat	Prints up to 6 characters: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

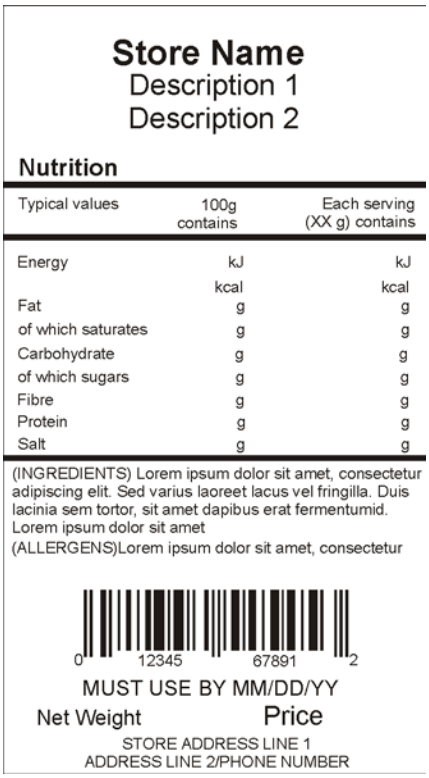


Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Each serving (XXg) contains	Prints up to 28 characters.
Energy (kJ and kcal)	Prints up to 6 characters: numbers 0-9 and period only.
Fat	Prints up to 6 characters: 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
Barcode	Must enter the correct number of characters based on barcode type

Format 32

Prints 2.2” wide x 4.0” long labels.

Enter the following information for each field:

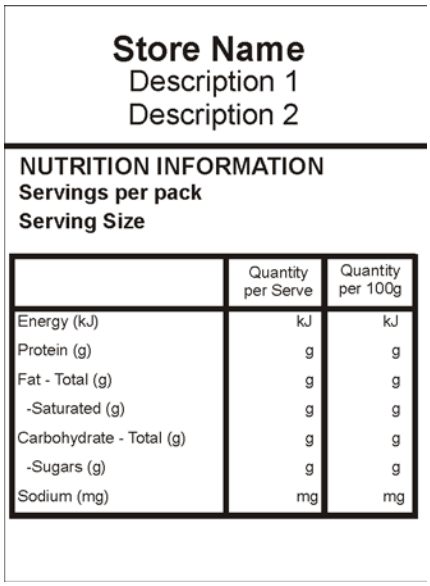


Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Each serving (XXg) contains	Prints up to 28 characters.
Energy (kJ and kcal)	Prints up to 6 characters: numbers 0-9.
Fat	Prints up to 6 characters: numbers 0-9 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
Barcode	Must enter the correct number of characters based on barcode type

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.

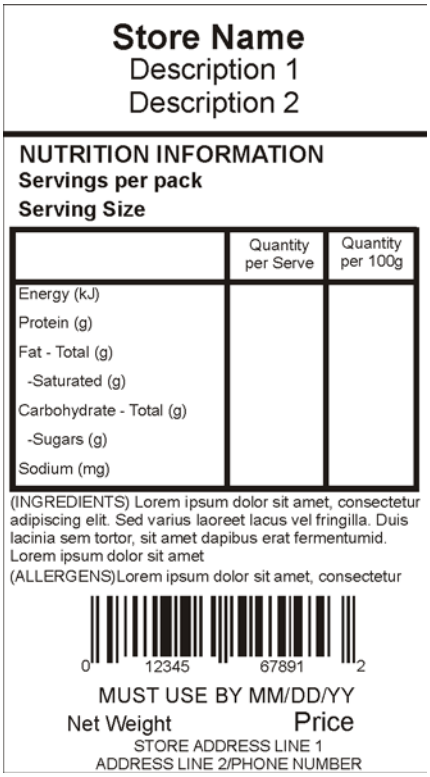
Enter the following information for each field:

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
Barcode	Must enter the correct number of characters based on barcode type

Format 42

Prints 2.2” wide x 4.0” long labels.

Enter the following information for each field:

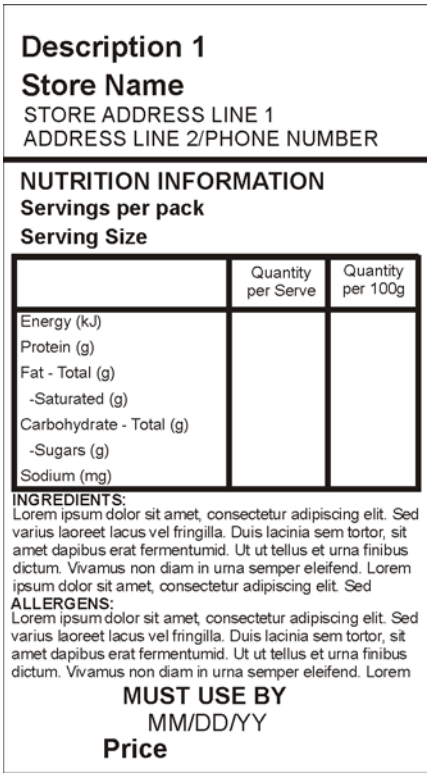


Field	Description
Store Name	Prints up to 17 characters.
Description 1	Prints up to 23 characters.
Description 2	Prints up to 23 characters.
Servings per pack	Prints up to 10 characters.
Serving Size	Prints up to 25 characters.
Energy (kJ)	Prints up to 6 characters: numbers 0-9.
Protein	Prints up to 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
Barcode	Must enter the correct number of characters based on barcode type

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.

CUSTOM LABEL FORMATS

B

This appendix shows how to work with custom label formats.

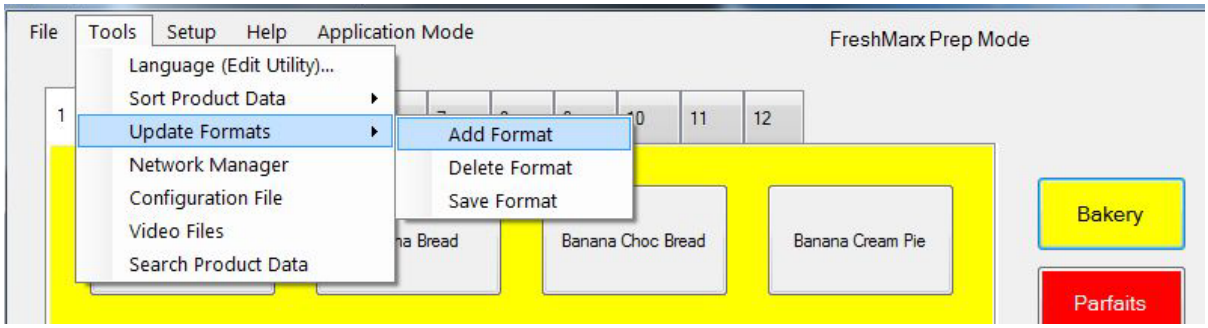
Contact Avery Dennison for information on creating custom label formats.

Note: Each custom format requires two files; one .LNT and one .XML. The files must have the exact same file name and must be saved in the same directory.
A custom format can include an image, such as a logo. This file needs to be stored in the directory with the custom format files (.LNT and .XML).

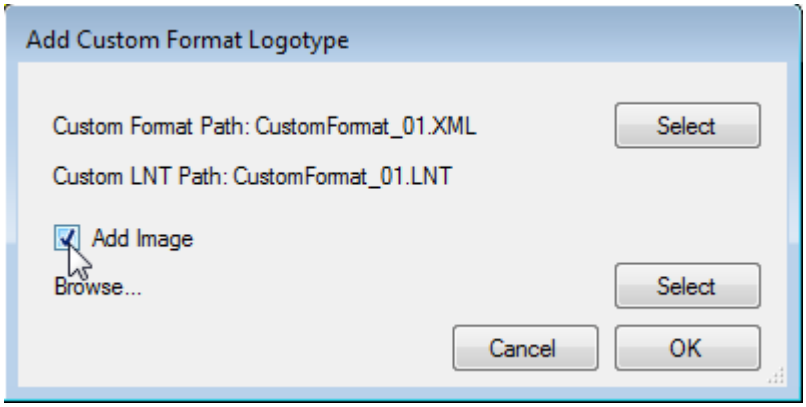
Adding a Custom Format

You can add a custom format so that it can be assigned to a Category.

1. Start the EasyEdit+ Utility.
2. Open your data file (or start a new data file).
3. Select **Tools, Update Formats, Add Format**.



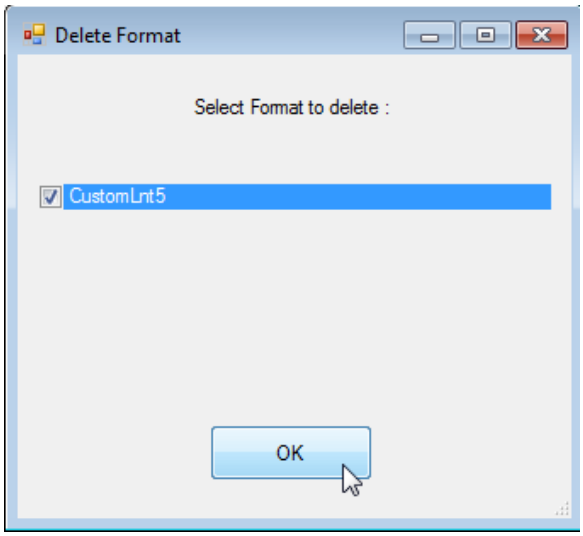
4. Navigate to the custom format file (.LNT) you want to add, then click **Open**.
5. *If your custom format includes an image*, click the Add Image check box.
6. Click **Select** to browse to the image file (.png, .jpg, .gif, .bmp.).
7. Select the image file to use then click **Open**.
8. Click **OK** to finish adding the custom format. You see a message confirming the format is added.



Deleting a Custom Format

You can delete a custom format.

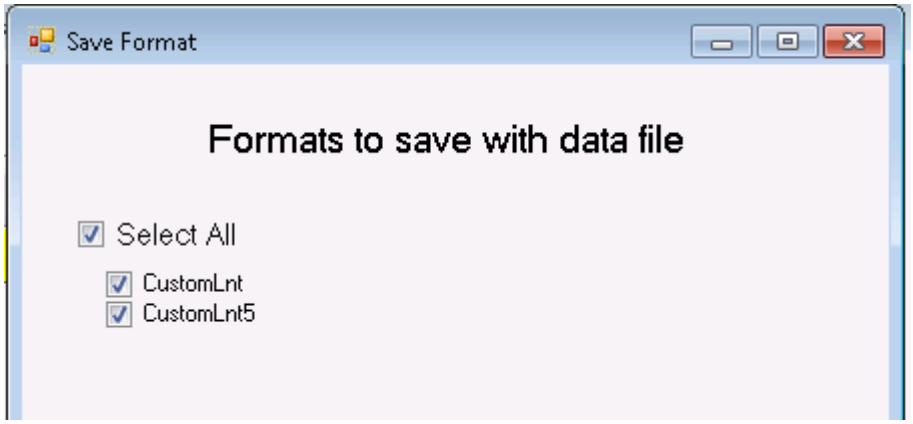
1. Start the EasyEdit+ Utility.
2. Open your data file (or start a new data file).
3. Select **Tools, Update Formats, Delete Format**.
4. Select the custom format you want to delete.
5. Click **OK**.



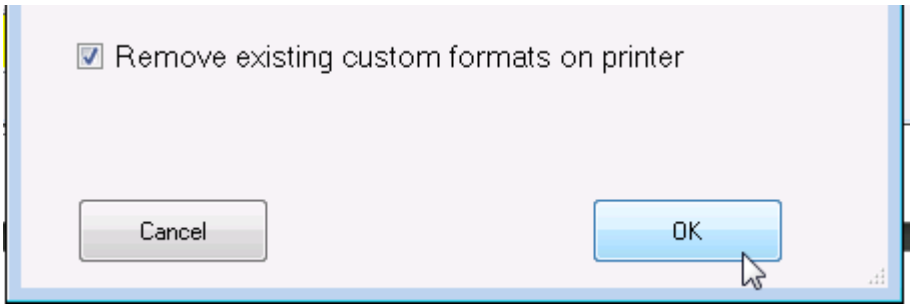
Saving a Custom Format

You can save specific custom formats with your data file.

1. Start the EasyEdit+ Utility.
2. Open your data file (or start a new data file).
3. Select **Tools, Update Formats, Save Format**.
4. Select the custom formats to save.



5. Select if you want the existing custom formats already on the printer to be removed when the new data file is loaded.



6. Click **OK**.

CREATING/EDITING A DONATE AND WASTE DATA FILE

C

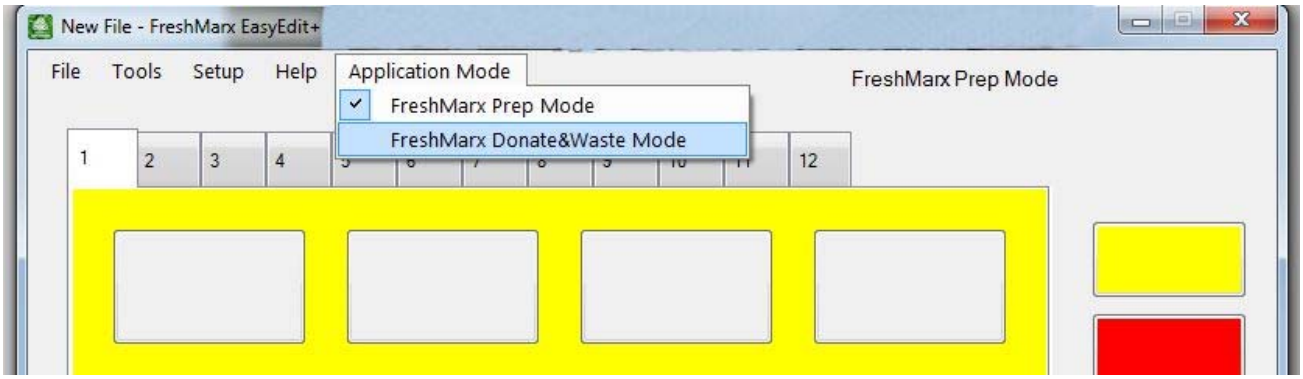
You may have purchased the additional FreshMarx Donate and Waste application, which allows you to log donated and wasted food.

The Donate and Waste application may use a weigh scale. Connect the scale to the printer's USB port before continuing.

Whenever the user presses a product button (in Donate and Waste Mode), the action is recorded as a donation or waste in the respective log file.

You can specify if labels containing use-by dates print for donated products. Labels do not print for wasted products.

Use the EasyEdit+ application (Version 5.0 or higher) to create your Donate and Waste file. This file is saved with an .FMWASTE extension. After opening EasyEdit+, select the appropriate **Application Mode**.



Donate and Waste Overview

A donate and waste file specifies

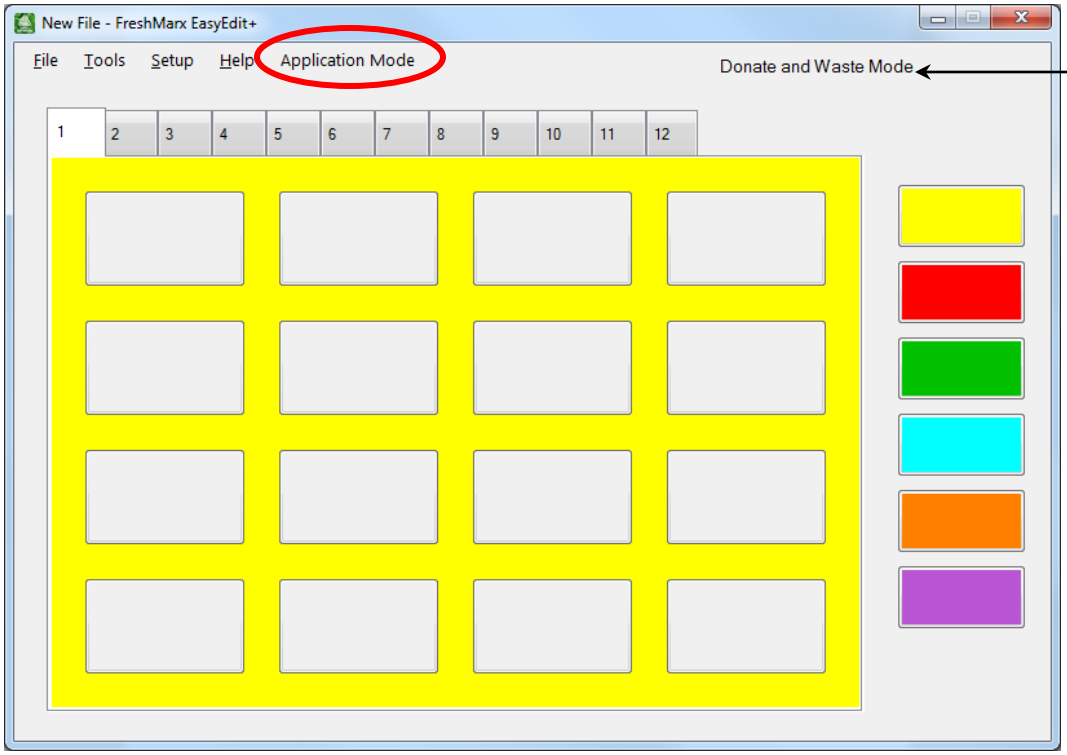
- which donation format to use. If you do not select a format, no labels print for donated products, but the donation is logged. See "Donate Label Formats" for more information. The format is selected at the ***category*** level.
- the unit of measure for the donated/wasted product. This is set on the ***button properties*** screen since it varies per product. Samples include each, pounds, grams, trays, loaves, etc.
- the reason, department, and food type for the donated/wasted product. These items are applicable to all products in the donate and waste file, so they are created in the EasyEdit+ ***Setup*** menu. See "Setting up a Donate and Waste File" for more information.
- recipients for donated products. This item is applicable to all products in the donate and waste file, so it is created in the EasyEdit+ ***Setup*** menu. See "Setting up a Donate and Waste File" for more information.

Note: Only one data file (either .Freshmarx or .FMWASTE) may be active in the printer at a time.

You can only edit the donate and waste data file by using the EasyEdit+ Utility in Donate and Waste Mode. The data file *cannot be edited on the printer*.

Starting a New Donate and Waste File

1. Start the EasyEdit+ Utility. The Main screen appears.
2. Click **File**, **New**. A blank data file appears.
3. Click **Application Mode** and select Freshmarx Donate & Waste Mode.



Selected Application Mode appears on Main screen.

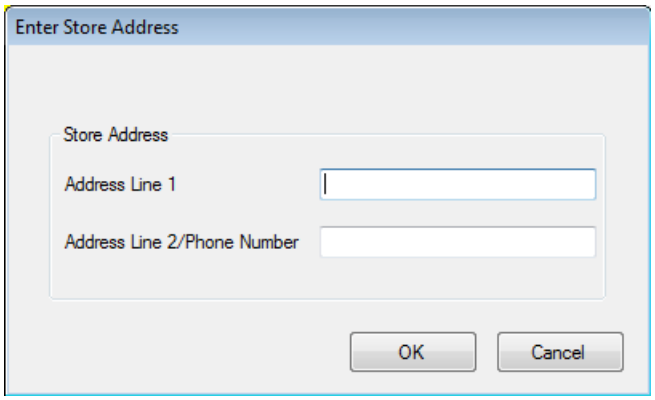
Entering a Store Address

Enter the store address that prints on several donate label formats. See "Donate Label Formats" for more information.

From *Donate and Waste Mode*:

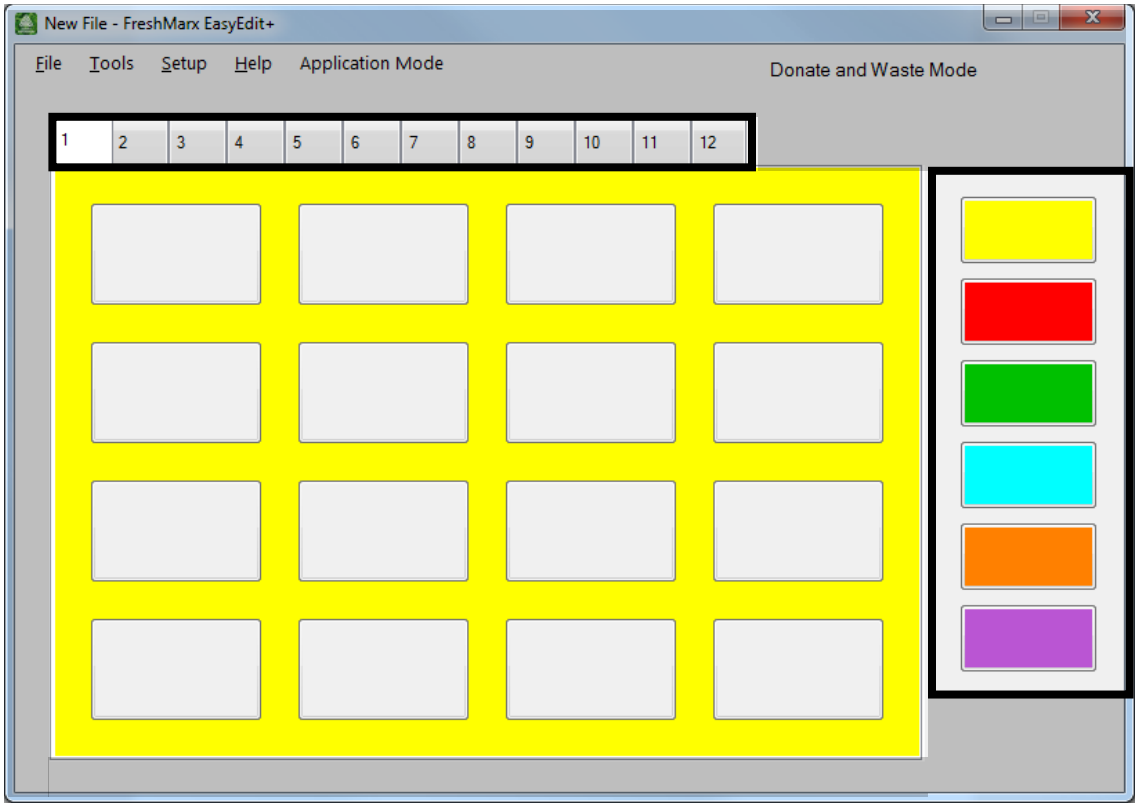
1. Click **Setup**, then **Enter Store Address**.
2. Enter the store address to print on the donate label formats.
3. Click **OK**.

Note: A *printer option* is available to override this store address with a local store address and/or phone number.



Creating Donate and Waste Category Buttons

The process to create donate and waste category buttons is the same as FreshMarx Prep categories. See "Creating Category Buttons" for more information. You can name the category buttons, assign a format per category, designate a printer, and name the tabs. There are six categories, each category is color-coded. Each category can have up to 12 tabs of 16 product buttons for a total of 1,152 items.



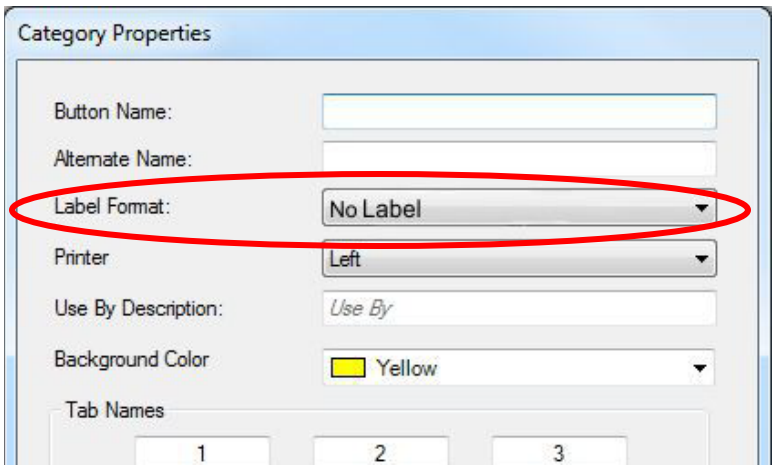
If you want the operator to select which printer (Left or Right) to use when a product button is pressed, assign all categories to the same format and the same printer (left or right).

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

About the "No Label" Option

If you do not want to print a label for donated products, select **No Label** as the Label Format.
When a user presses a button with "No Label" assigned, no label prints, but the button is automatically logged in the appropriate log file.
There is no way to disable data logging of buttons.

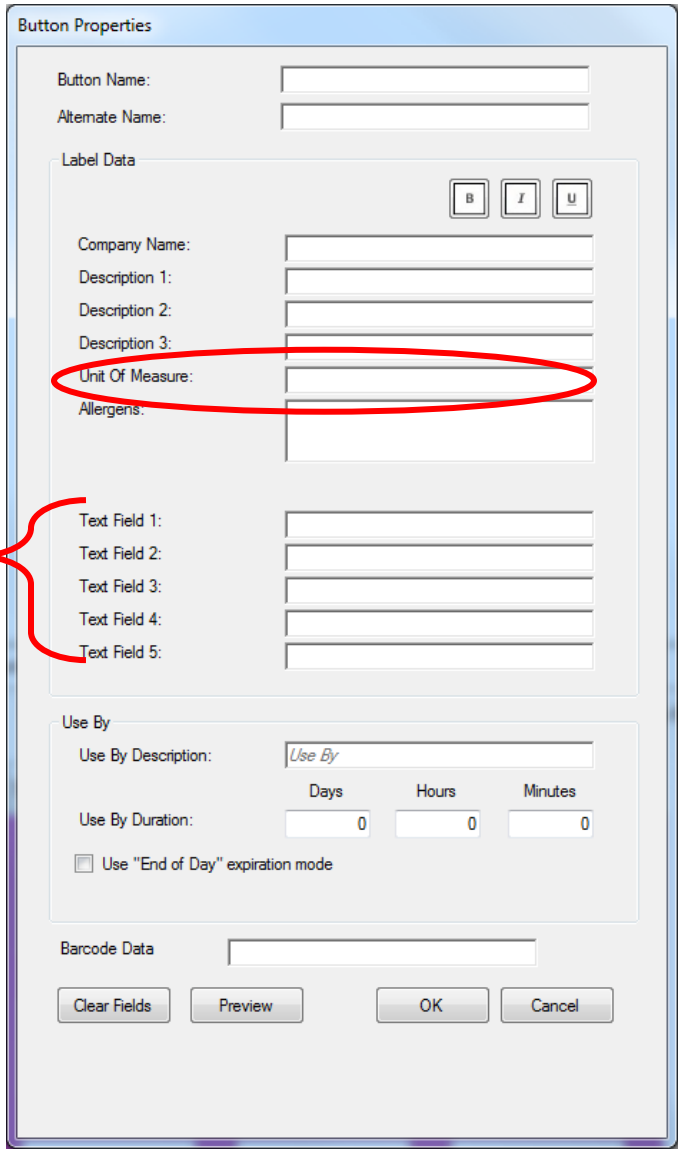
See "Donate Label Formats" for the size and content of each format



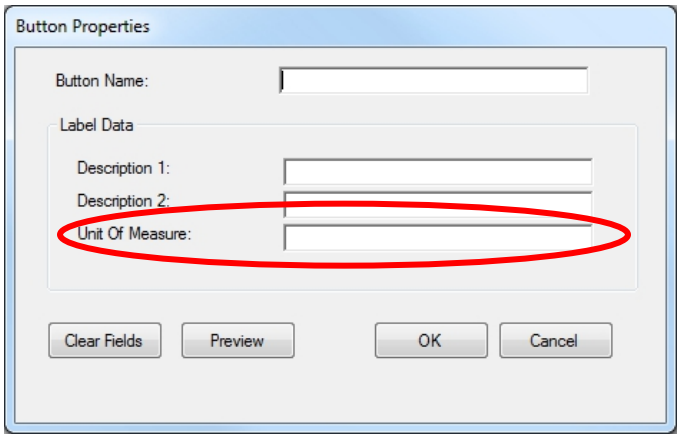
Creating Donate and Waste Product Buttons

The process to create donate and waste product buttons is the same as FreshMarx Prep buttons. See "Creating Product Buttons" for more information.

- The button properties screen changes based on the donate and waste format selected.
- See "Donate Label Formats" for the size and content of each Donate format.
- The **Unit of Measure** field must be specified for each donate and waste format.
- Additional **Text Fields 1-5** are available in several Donate Label Formats. They can be used for reheating instructions or any other special notes for the donated product.
- Enter the Use By Description and Duration for the donated product.



Button Properties for "No Label" Option:

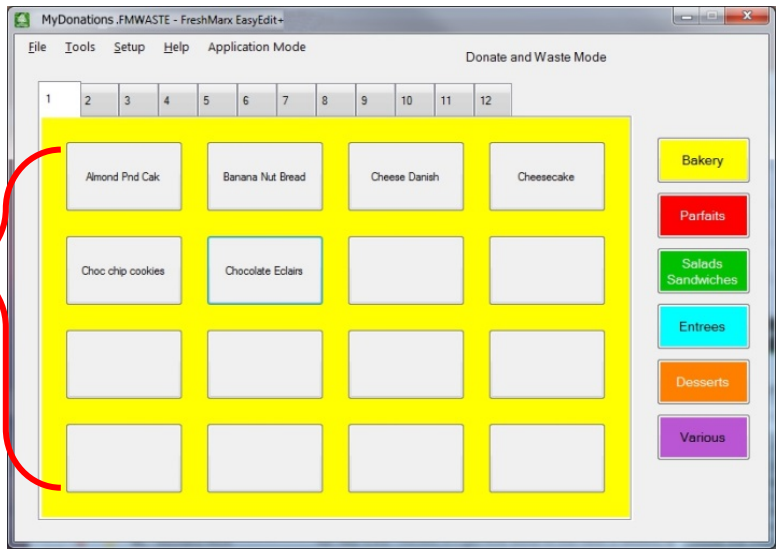


Sorting a Donate and Waste File

The process to sort a Donate and Waste file is the same as FreshMarx Prep files. See Chapter 4, "Sorting the Data File" for more information.

Locking buttons is **not** available for Donate and Waste products.

Tab, after Sorting

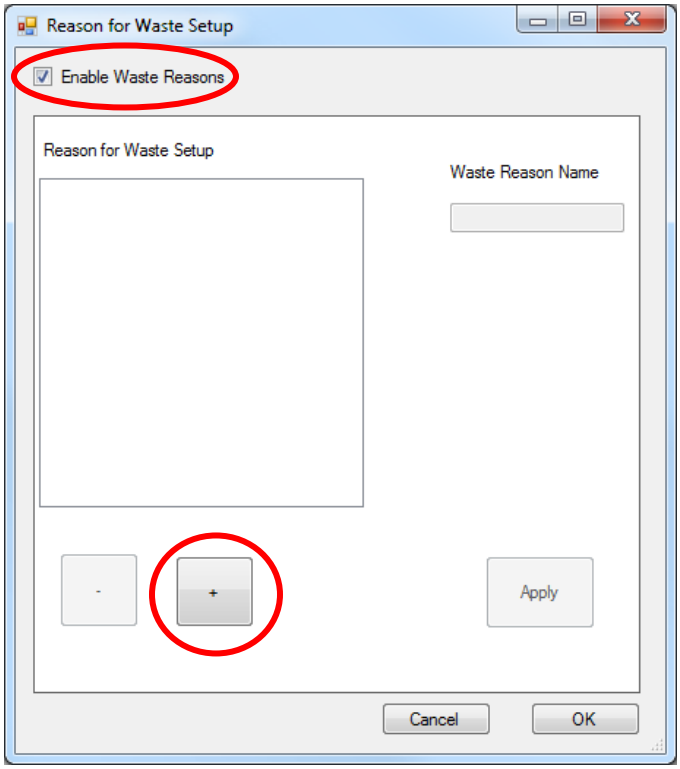


When processing a donation or waste, define what the operator must select including the

- reason, department, and/or food type of the donated/wasted food
- recipient for the donated food.

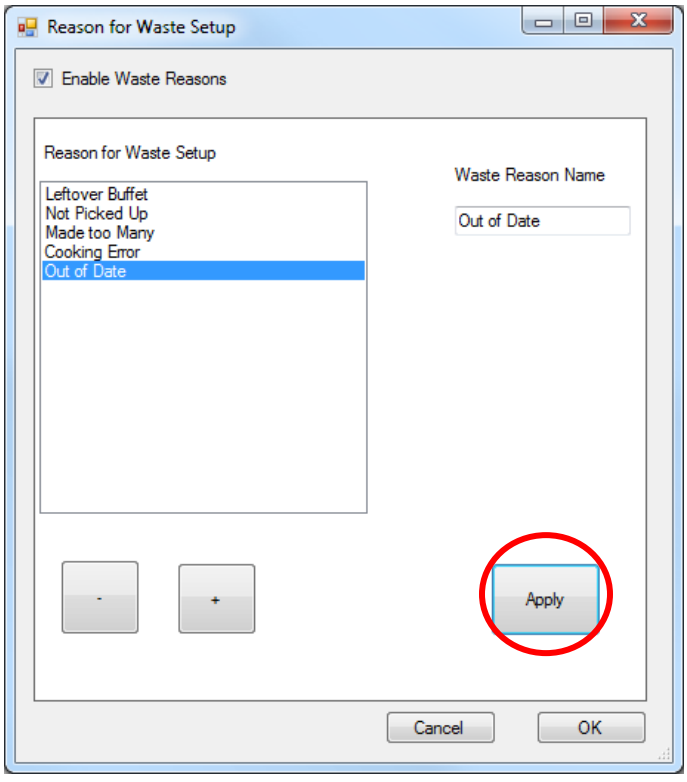
Entering the Waste Reasons

When enabled, the operator must select a Reason while processing a donation or a waste. Enter up to 24 waste reasons. The maximum number of characters for a waste reason is 30.



From *Donate and Waste Mode*:

1. Click **Setup**, then **Waste Reasons**.
2. Enable **Waste Reasons**.
3. Click the **+** button to add a waste reason.
4. Enter the Waste Reason Name.
5. Click **Apply**. The waste reason is listed in the Waste Reasons box.
6. Continue adding waste reasons.



To remove a waste reason, select the reason and click the **–** button to remove. Confirm the action in the pop-up message.

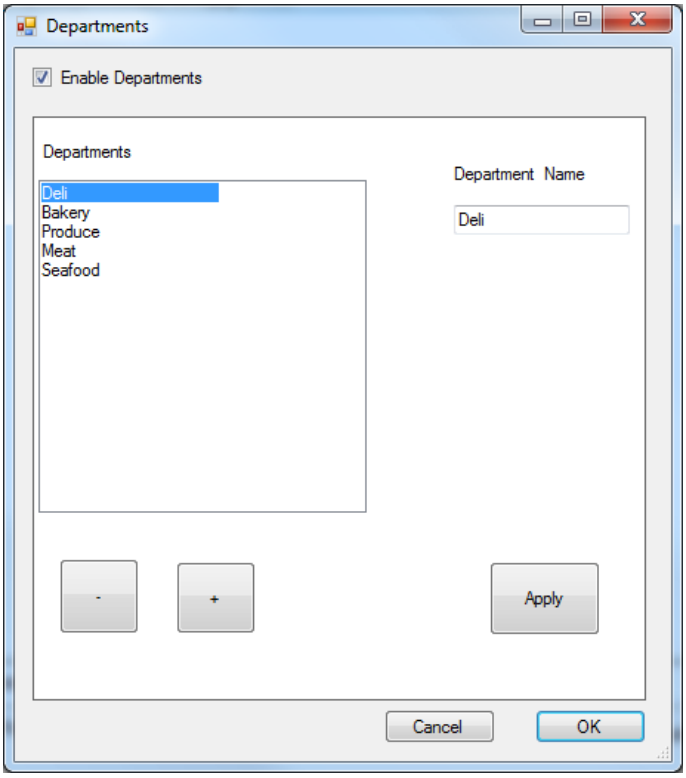
7. Click **OK** when finished.

Entering the Departments

When enabled, the operator must select a Department while processing a donation or a waste. Enter up to 24 departments. The maximum number of characters for a department is 30.

From *Donate and Waste Mode*:

1. Click **Setup**, then **Enter Departments**.
2. Enable **Departments**.
3. Click the **+** button to add a department.
4. Enter the Department Name.
5. Click **Apply**. The department is listed in the Departments box.



6. Continue adding departments.

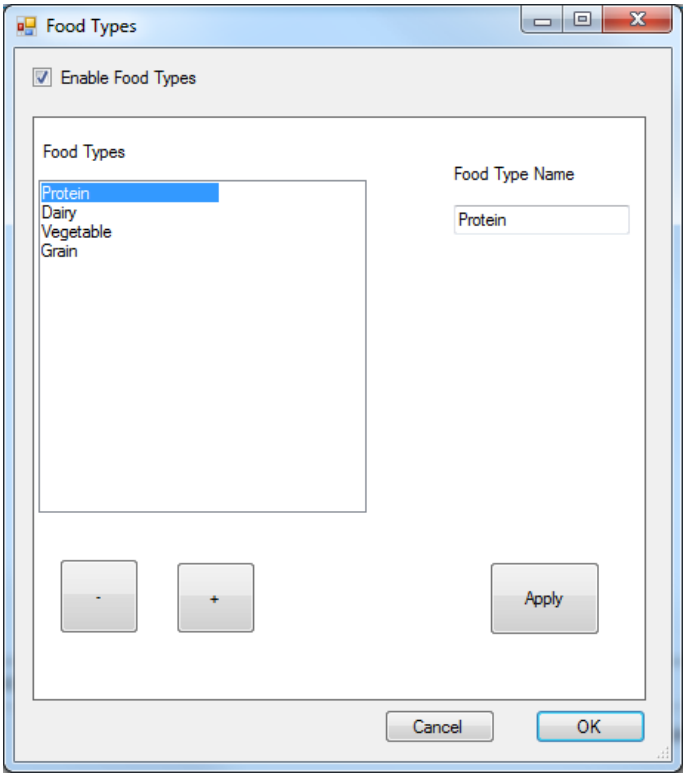
   To remove a department, select the department and click the **–** button to remove. Confirm the action in the pop-up message.

7. Click **OK** when finished.

Entering the Food Types

When enabled, the operator must select a Food Type while processing a donation or a waste. Enter up to 24 food types. The maximum number of characters for a food type is 30.

1. Click **Setup**, then **Enter Food Types**.
2. Enable **Food Types**.
3. Click the **+** button to add a food type.
4. Enter the Food Type Name.
5. Click **Apply**. The food type is listed in the Food Types box.



6. Continue adding food types.

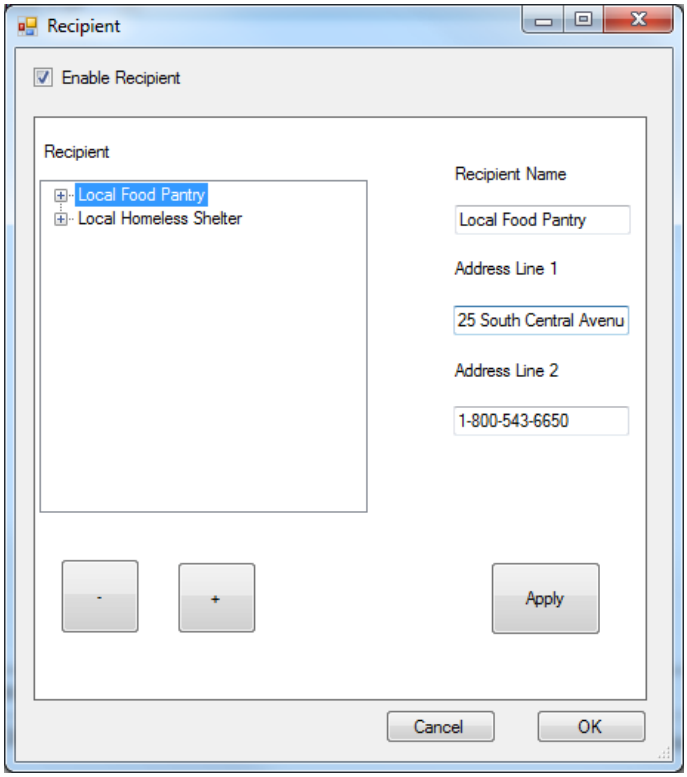
   To remove a food type, select the food type and click the **–** button to remove. Confirm the action in the pop-up message.

7. Click **OK** when finished.

Entering the Recipients

When enabled, the operator must select a Recipient while processing a donation. Enter up to 24 Recipients. Each recipient has two lines of data (use an address, phone number, or website, etc.). The maximum number of characters for each line is 30.

1. Click **Setup**, then **Enter Recipients**.
2. Enable **Recipients**.
3. Click the **+** button to add a recipient.
4. Enter the Recipient Name.
5. Click **Apply**. The recipient is listed in the Recipient box.



6. Continue adding recipients.

   To remove a recipient, select the recipient and click the **–** button to remove. Confirm the action in the pop-up message.

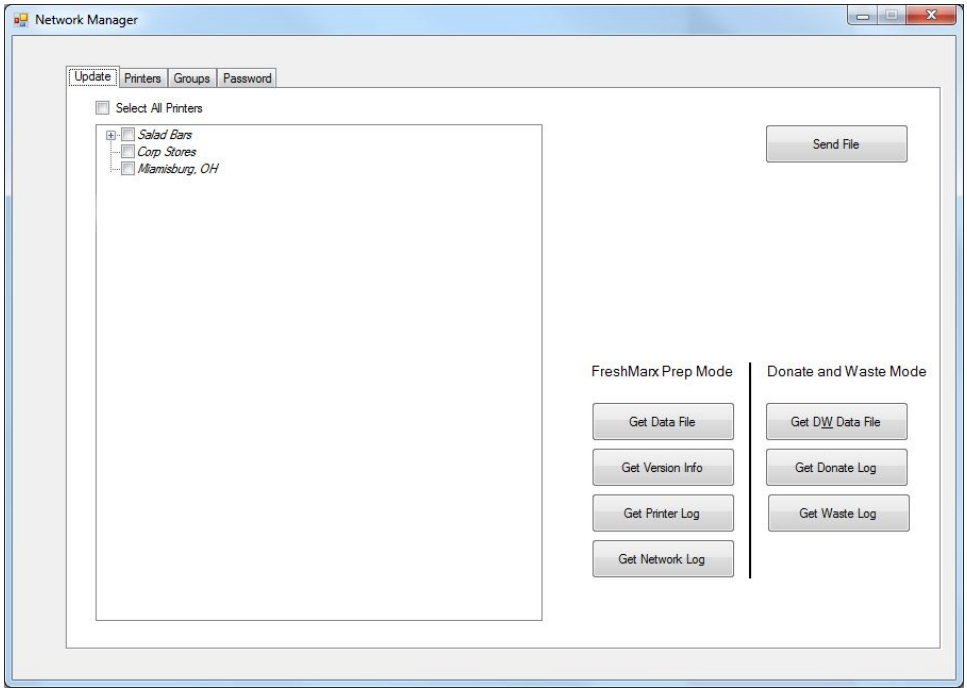
7. Click **OK** when finished.

Sending a Donate and Waste Data File to the Printer

The process to send donate and waste data files to the printer is the same as sending a FreshMarx prep data file to the printer. See "Managing Printers" for more information.

Open the Network Manager (select **Tools**, **Network Manager**) and enter the default password: **avery1239417**. The Network Manager has four tabs; Update, Printers, Groups and Password. See "Managing Printers" for more information.

1. From the Update tab, select the printer to send a donate and waste data file.



2. Click **Send File**.
3. Navigate to the directory where the .FMWASTE file is. Select the file and click **Open**. The file is transferred to the printer. A message indicates if the printer received the file.

SFTP Push/Pull Updates

The process to push/pull SFTP updates is the same for Donate and Waste files as it is for FreshMarx Prep files. See "Updating Printers & Files" for more information.

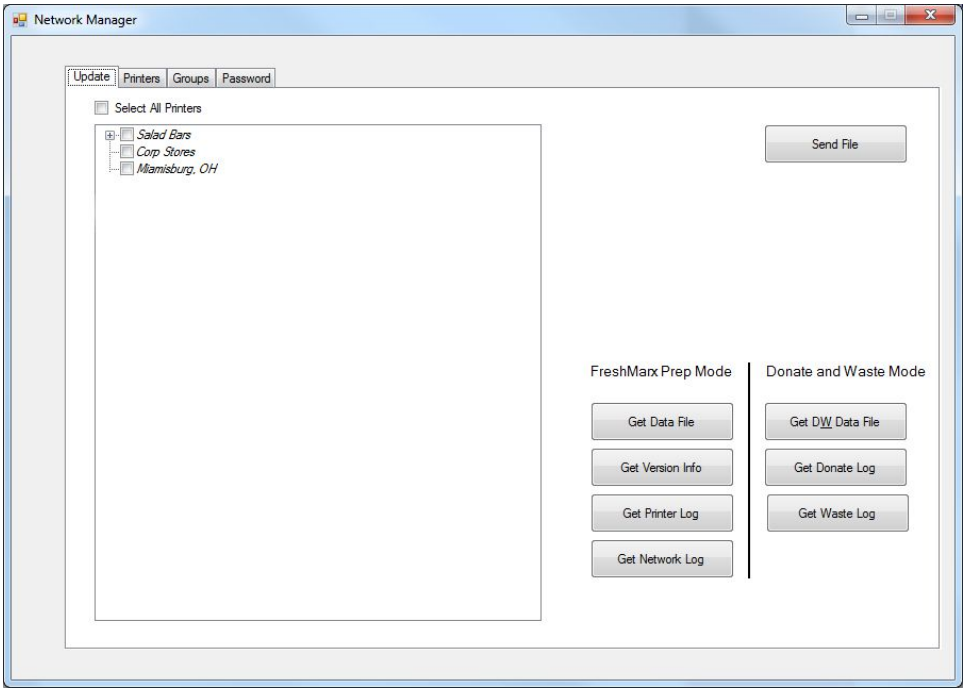
Note: Both files (.FRESHMARX and .FMWASTE) may be pushed/pulled from the server.

Getting Donate and Waste Log Files

The printer logs all buttons pressed for donations or waste. Retrieve the log from the printer. Then, use a text editor to view the log file (or open the log file in a spreadsheet program). To get FreshMarx Prep Files, see "Getting Files from the 9417+ Printer" for more information.

Open the Network Manager (select **Tools**, **Network Manager**) and enter the default password: **avery1239417**. The Network Manager has four tabs; Update, Printers, Groups and Password. See "Managing Printers" for more information.

1. From the Update tab, select the printer to get a donate or waste log file from.
2. Click the **Get D&W Data File**, **Get Donate Log,** or **Get Waste Log** button:



File type	Filename and contents
D&W data file	***PrinterName*_Data.FMWASTE** Includes all defined categories, tabs, and buttons for donate and waste products.
donate log	***PrinterName*_Donate.log** Includes all products processed for donation. The product button's name, recipient, department, food type, amount donated, and other information are included. The file has a 512K maximum. Once the maximum is reached, a new file, ***PrinterName*_Donate.log.old** is created. The **.old** file is overwritten each time the **.log** file reaches 512K.
waste log	***PrinterName*_Waste.log** Includes all products processed as food waste. The product button's name, waste reason, department, food type, amount, and other product information are included. The file has a 512K maximum. Once the maximum is reached, a new file, ***PrinterName*_Waste.log.old** is created. The **.old** file is overwritten each time the **.log** file reaches 512K.

3. Navigate to the location you want to save the file then click **OK**.

You see a progress bar while the file transfers from the printer(s).

Sample Waste Log

```
2018-08-06; 15:52:52; Gr. Veggie Lasagna; Entrees; 1; 2; Tray; Protein; Meat;
Not Picked Up;
2018-08-06; 15:53:06; Meatloaf; Entrees; 1; 4; Loaves; Protein; Meat; Made
too Many;
2018-08-06; 15:53:15; Cabbage Rolls; Entrees; 1; 6; Each; Vegetables; Deli;
Cooking Error;
2018-08-06; 15:53:56; Ice Cream Pie; Desserts; 1; 3; Each; Dairy; Pies; Made
too Many;
```

Using the Microsoft® Excel® Template with Donate and Waste Data

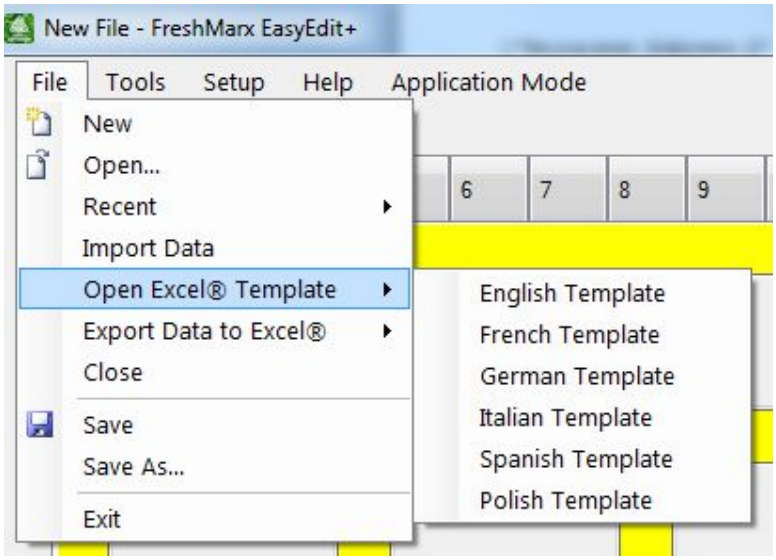
Your donate and waste product data may be entered into Microsoft® Excel® (Microsoft® Office 2007 and Microsoft® Office Standard 2010 versions), then imported into EasyEdit+.

The Excel template is installed within EasyEdit+.

Note: The Excel template version must match the installed version EasyEdit+. If you update your version of EasyEdit+, open your FreshMarx data file then select Export Data To Excel to make product data changes in Excel.

To open the Template:

1. Open the EasyEdit+ Utility.
2. Click **File**, **New**. A blank data file appears.
3. Click **Application Mode** and select Freshmarx Donate & Waste Mode.
4. Select **File**, **Open Excel Template►**. Choose your language's template.

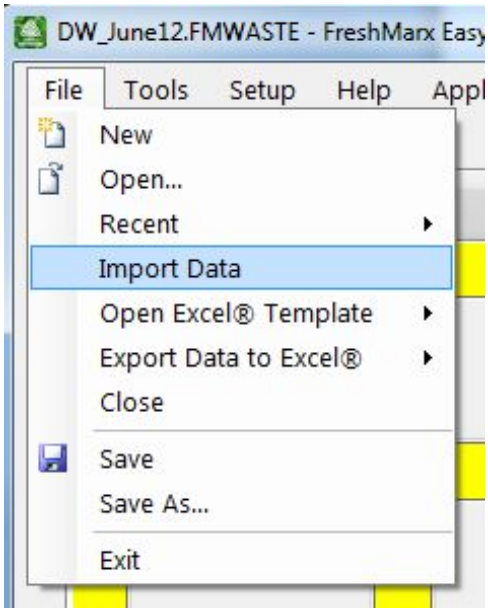


5. Navigate to the location you want to save the file. Click **Save**.
6. Excel opens the template.
7. Input your data according to the instructions within the template.
8. Save the completed template.

Importing Donate and Waste Data from the Template

Once your donate and waste product data is in the Microsoft® Excel® template, import it into the EasyEdit+ utility.

1. Open the EasyEdit+ Utility.
2. Click **File**, **New**. A blank data file appears.
3. Click **Application Mode** and select Freshmarx Donate & Waste Mode.
4. Select **File**, **Import Data.**



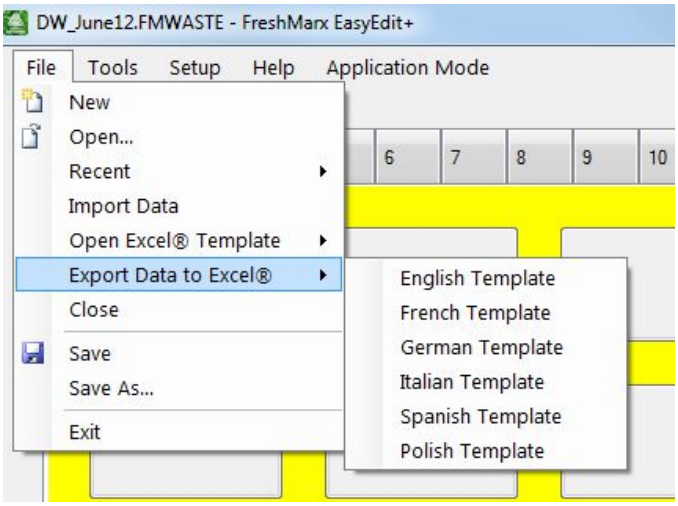
5. Browse to the completed donate and waste template.
6. Select **Open**. The donate and waste data is imported into EasyEdit+.

Exporting Data to Excel

If you prefer to edit your donate and waste data in Excel, export your existing **.FMWASTE** file.

1. Open the EasyEdit+ Utility.
2. Click **File**, **Open...**
3. Navigate to the donate and waste data file and click **Open**.

   The donate and waste data file opens in Donate and Waste mode.
4. Select **File**, **Export Data.**
5. Choose your language's template.
6. Navigate to the location to save the file. Click **Save**.
7. Excel opens the template.
8. Edit your data according to the instructions within the template.
9. Save the completed template.

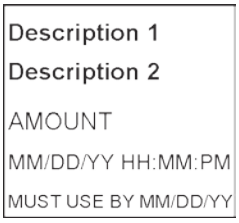


Donate Label Formats

See the following samples of each Donate label format. If the selected format is larger than the loaded supply, some information may not print.

Format 1

Prints 1.2” wide x 1.1” long labels.

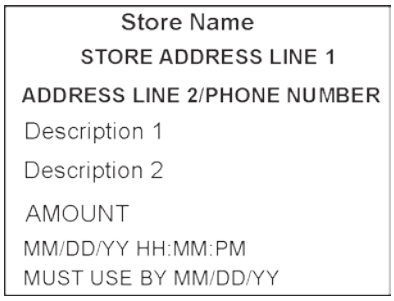


Enter the following information for each field:

Field	Description
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Amount	Prints up to 13 characters
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 2

Prints 2.0” wide x 1.5” long labels.

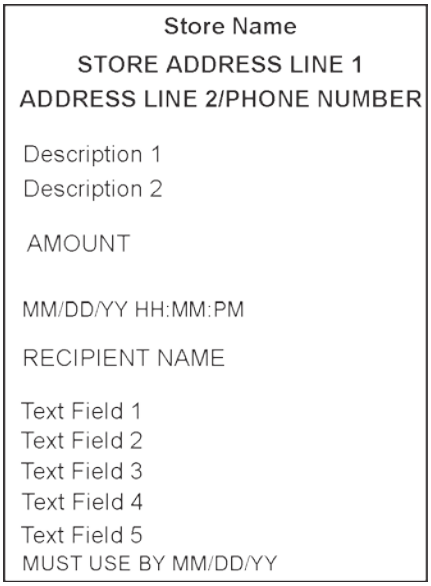


Enter the following information for each field:

Field	Description
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
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Amount	Prints up to 13 characters
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 3

Prints 2.2” wide x 3.0” long labels.

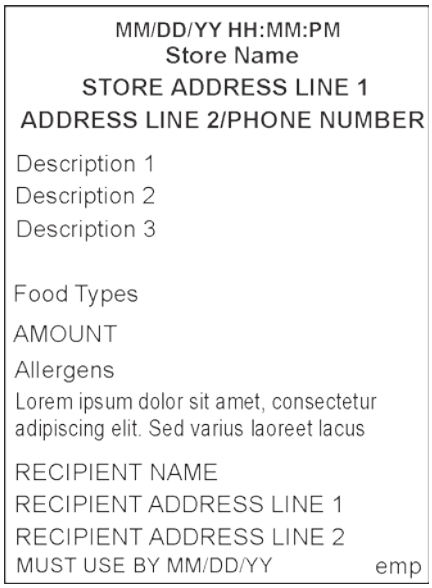


Enter the following information for each field:

Field	Description
Store Name	Prints up to 17 characters.
Store Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Amount	Prints up to 13 characters.
Recipient Name	Prints up to 30 characters.
Text Field 1	Prints up to 28 characters.
Text Field 2	Prints up to 28 characters.
Text Field 3	Prints up to 28 characters.
Text Field 4	Prints up to 28 characters.
Text Field 5	Prints up to 28 characters.
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 4

Prints 2.2” wide x 3.0” long labels.

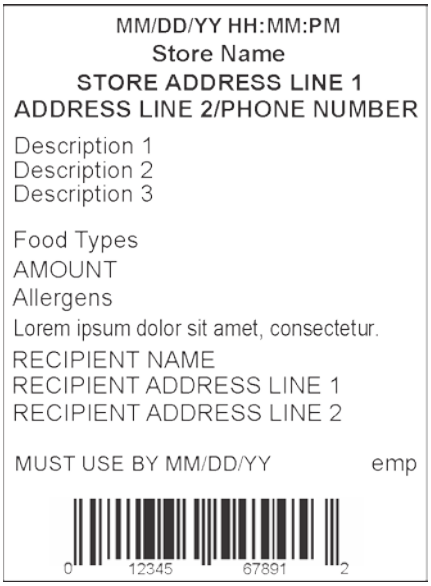


Enter the following information for each field:

Field	Description
Store Name	Prints up to 17 characters.
Store Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
Food Types	Prints up to 20 characters.
Amount	Prints up to 13 characters
Allergens	Prints up to 80 characters.
Recipient Name	Prints up to 30 characters.
Recipient Address	Prints up to 30 characters on Line 1 Prints up to 30 characters on Line 2
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Emp	Employee ID must be 2-10 characters.

Format 5

Prints 2.2” wide x 3.0” long labels.

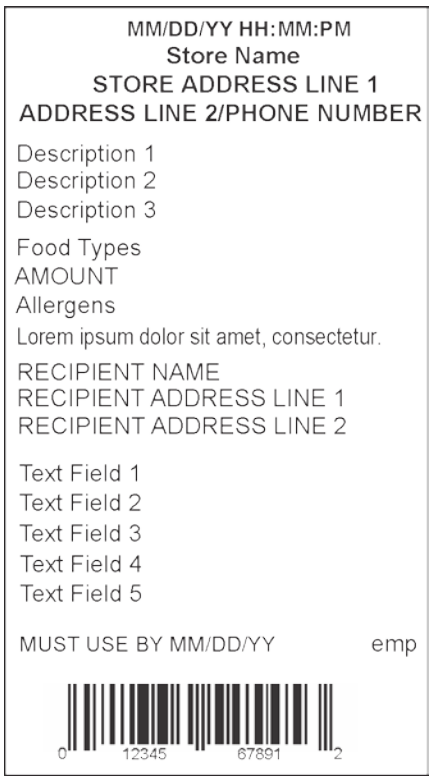


Enter the following information for each field:

Field	Description
Store Name	Prints up to 17 characters.
Store Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
Food Types	Prints up to 20 characters.
Amount	Prints up to 13 characters
Allergens	Prints up to 87 characters.
Recipient Name	Prints up to 30 characters.
Recipient Address	Prints up to 30 characters on Line 1 Prints up to 30 characters on Line 2
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Emp	Employee ID must be 2-10 characters.
Barcode	Must enter the correct number of characters based on barcode type

Format 6

Prints 2.2” wide x 4.0” long labels.



Enter the following information for each field:

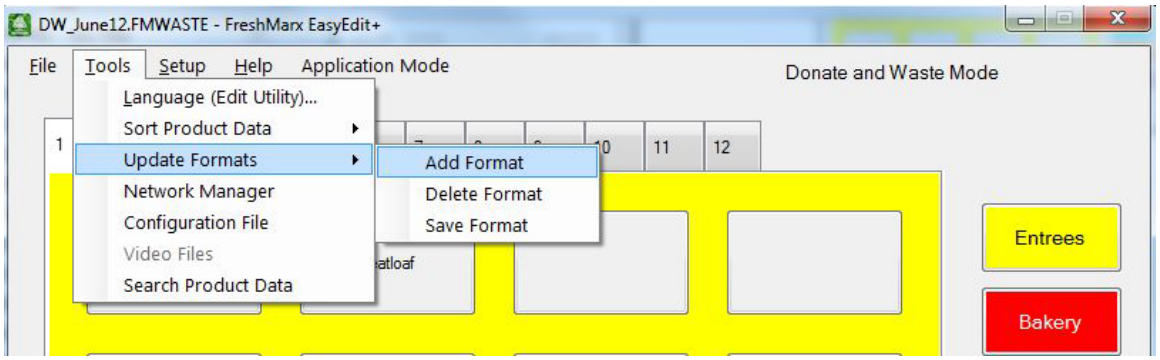
Field	Description
Store Name	Prints up to 17 characters.
Store Address	Prints up to 45 characters on Line 1 Prints up to 45 characters on Line 2
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
Food Types	Prints up to 20 characters.
Amount	Prints up to 13 characters
Allergens	Prints up to 82 characters.
Recipient Name	Prints up to 30 characters.
Recipient Address	Prints up to 30 characters on Line 1 Prints up to 30 characters on Line 2
Text Field 1	Prints up to 28 characters.
Text Field 2	Prints up to 28 characters.
Text Field 3	Prints up to 28 characters.
Text Field 4	Prints up to 28 characters.
Text Field 5	Prints up to 28 characters.
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Emp	Employee ID must be 2-10 characters.
Barcode	Must enter the correct number of characters based on barcode type

Adding Custom Donate Formats

The process to add a custom donate format is the same as FreshMarx Prep adding a custom format. See Appendix B, "Custom Label Formats" for more information. Add a custom donate format and then assign it to a Category.

You must be in the Donate and Waste Mode to add a donate format:

1. Start the EasyEdit+ Utility.
2. Open your data file (or start a new data file).
3. Click **Application Mode** and select Freshmarx Donate & Waste Mode.
4. Select **Tools, Update Formats, Add Format**.



5. See "Adding a Custom Format" for more information.

Developer Information for Custom Donate and Waste XML File

Contact Avery Dennison for information on creating custom label formats. The XML file links product data fields and LNT fields into the printer's print and edit functions (EasyEdit+ and/or Edit Mode on the printer). The XML file contains database field names, edit prompts, and the LNT filename. For custom Donate and Waste files, the **type** must be set to "CustomDonateWaste" as shown below:

```
type="CustomDonateWaste"
```

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