



Printer and
Fastener Solutions

SYSTEM ADMINISTRATOR'S GUIDE

Avery Dennison®
FreshMarx®
EasyEdit+

TCEASYEDITPSA Rev. AA 9/16
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GETTING STARTED

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 21 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.

Important: The EasyEdit+ Utility can only be used with FreshMarx® Printer Application Version 3.0 and higher.

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+ or FreshMarx® Smart Device Application.

System Requirements

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

- | | |
|------------------------------|--|
| Supported Operating Systems: | <ul style="list-style-type: none">◆ Windows XP◆ Windows Vista◆ Windows 7 |
| Processor: | 1 GHz minimum recommended |
| Memory (RAM): | 1 GB minimum recommended |
| Hard Disk Space: | 1 GB minimum recommended |

Installing the EasyEdit+ Utility

To install the EasyEdit+ Utility on your computer:

1. Download the EasyEdit+ Utility from our Web site (www.AveryDennison.com/PFS) 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.

EASYEDIT+ FEATURES

About Assigning Formats

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

Example categories are:

- ◆ Breakfast, Salad, Ingredients, etc.
- ◆ A - B, C – G, H – K, etc. (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.

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

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

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

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

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

About Button Modes

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

For more information, refer to the 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.

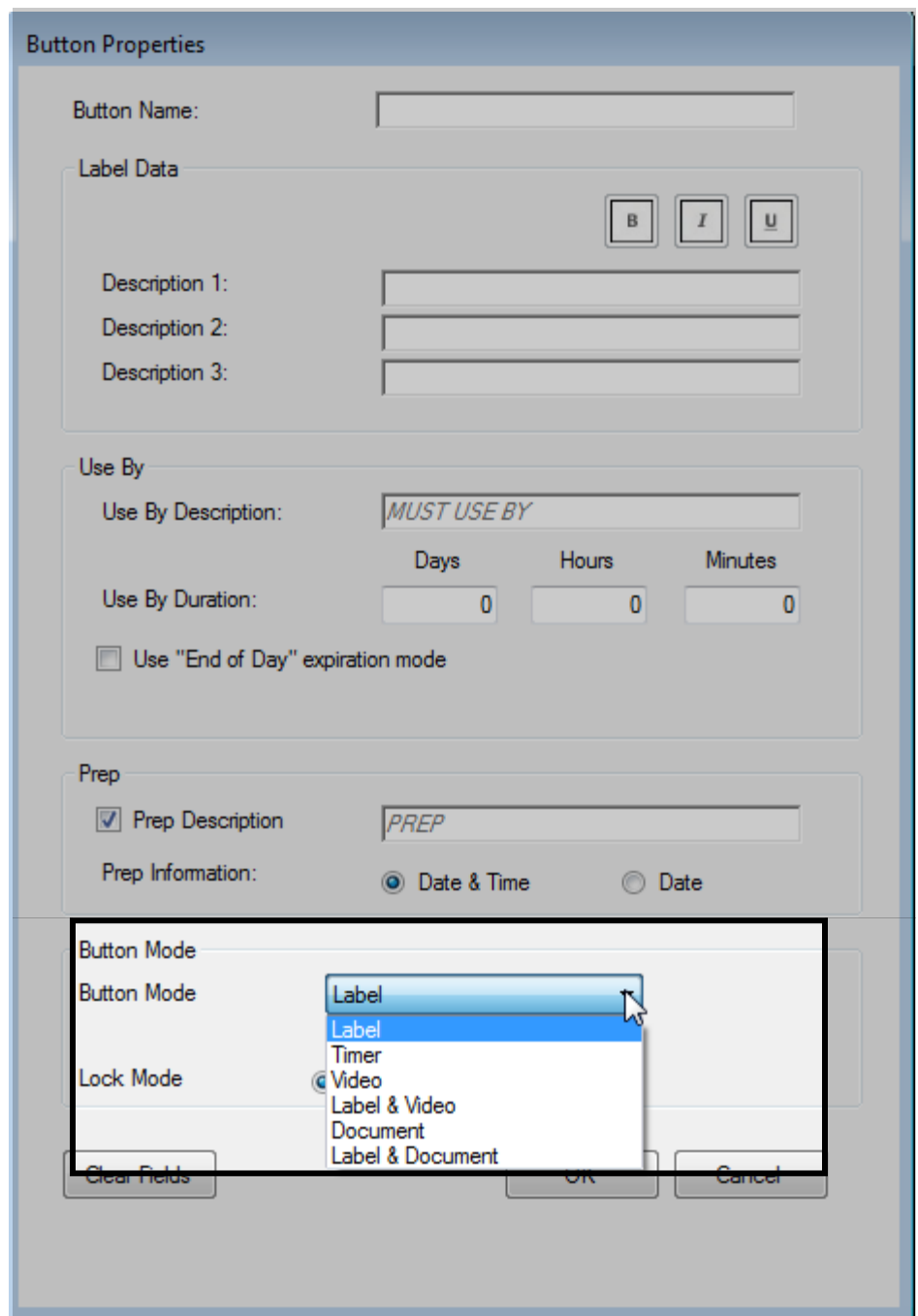
Label & Video Button Mode

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.



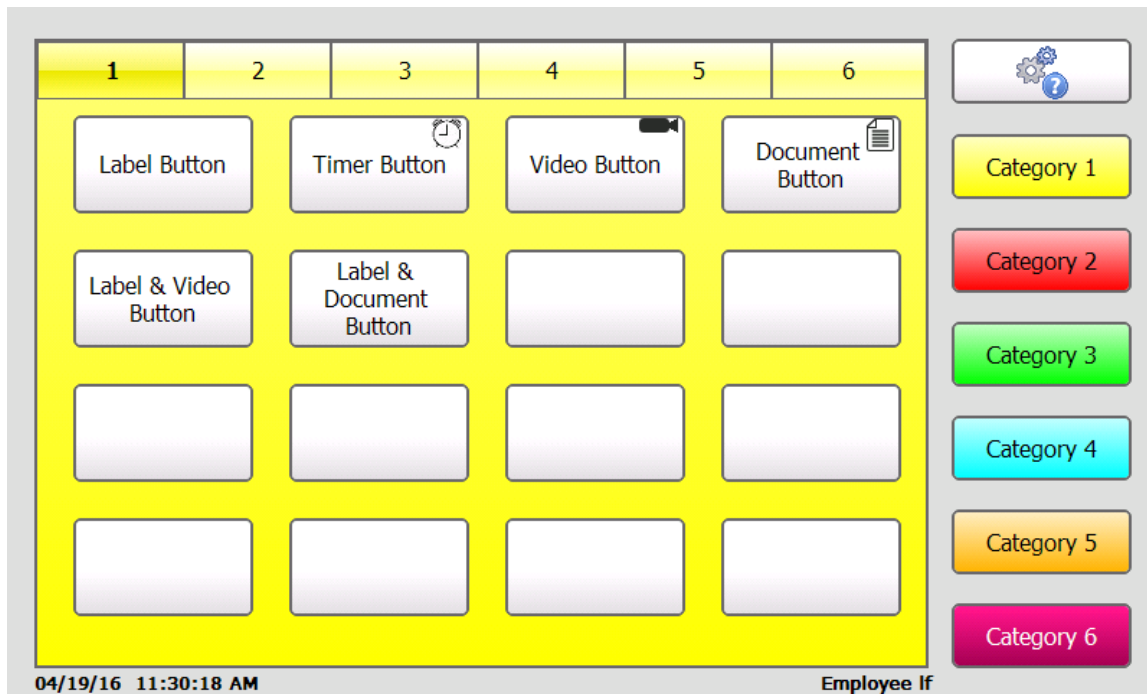
The image shows a screenshot of the "Button Properties" dialog box. The dialog is titled "Button Properties" and contains several sections:

- Button Name:** A text input field.
- Label Data:** A section containing three buttons labeled "B", "I", and "U", and three text input fields for "Description 1:", "Description 2:", and "Description 3:".
- Use By:** A section with a "Use By Description:" field containing the text "MUST USE BY", and three input fields for "Days", "Hours", and "Minutes", each containing the number "0". There is also a checkbox labeled "Use 'End of Day' expiration mode".
- Prep:** A section with a checked checkbox for "Prep Description" and a field containing the text "PREP". Below it, there are radio buttons for "Prep Information:" with "Date & Time" selected and "Date" unselected.
- Button Mode:** A dropdown menu is open, showing a list of options: "Label", "Label", "Timer", "Video", "Label & Video", "Document", and "Label & Document". The "Label" option is currently selected.

At the bottom of the dialog, there are buttons for "Clear Fields", "OK", and "Cancel".

Button Mode Icons

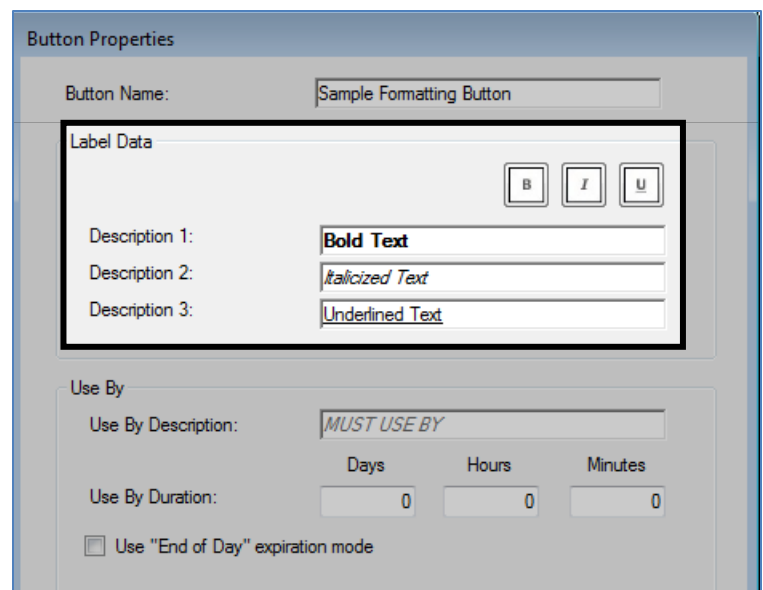
Once you create product buttons and exit Edit Mode, the buttons appear as shown:



- ◆ 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

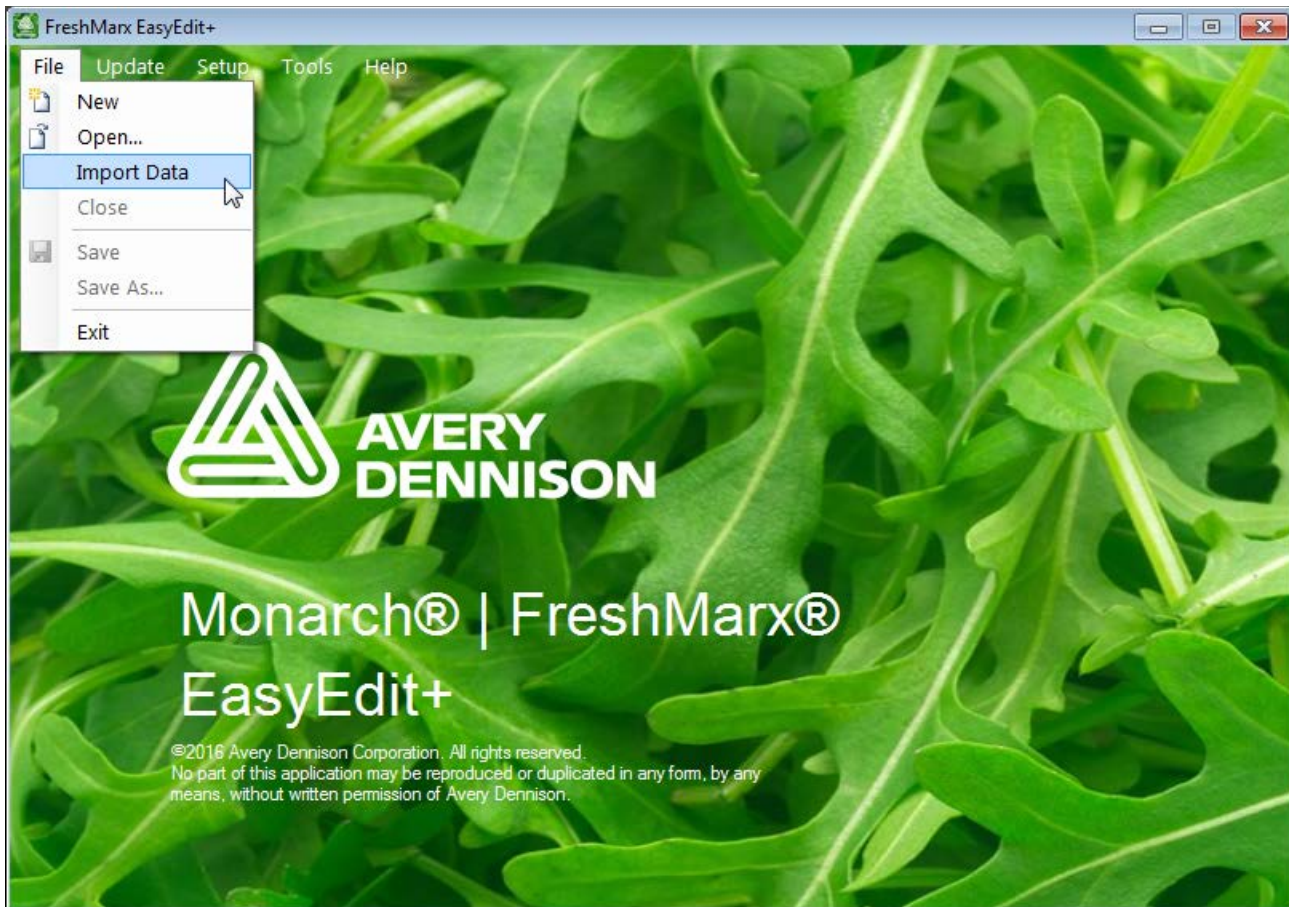
Some label data can be bold, italic, or underlined. To print the label data with these styles, apply them on the Button Properties screen. Enter the text, highlight it, then select the style you want to apply. You can apply more than one style to the text. For example, the text can be bold and italic.



Importing Data from the Excel Template

Enter your product data into the Microsoft® Excel® template found on our Web site to import it into the EasyEdit+ utility.

1. Download the template from our Web site. Refer to the Help tab within the template for instructions on using the template.
2. Input all of your data according to the instructions within the template.
3. Save the completed template to your computer's hard drive.
4. Open the EasyEdit+ utility.
5. Select **File, Import Data**.



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

SETTING UP THE DATA FILE

3

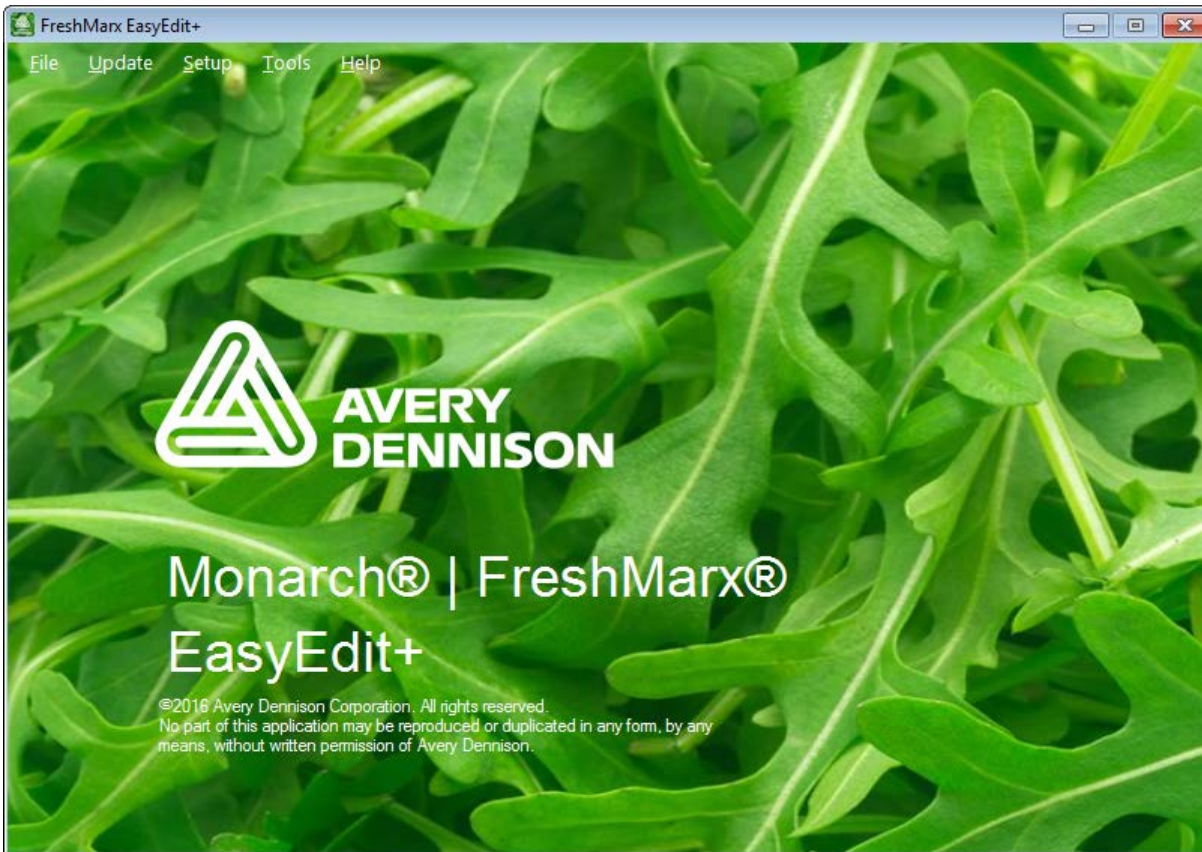
This chapter shows you how to open the EasyEdit+ Utility and use it to get started creating or editing your data file.

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,

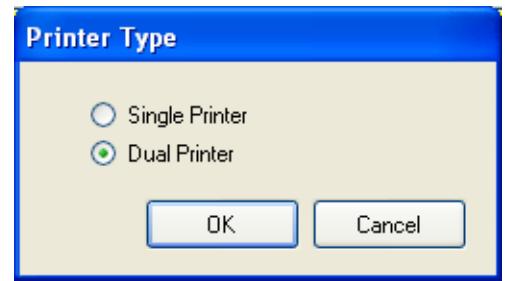
1. Start the EasyEdit+ Utility. The Main screen appears.
2. Click **File, New**. A blank data file appears. OR
Click **File, Open...** then navigate to the data file.

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**.



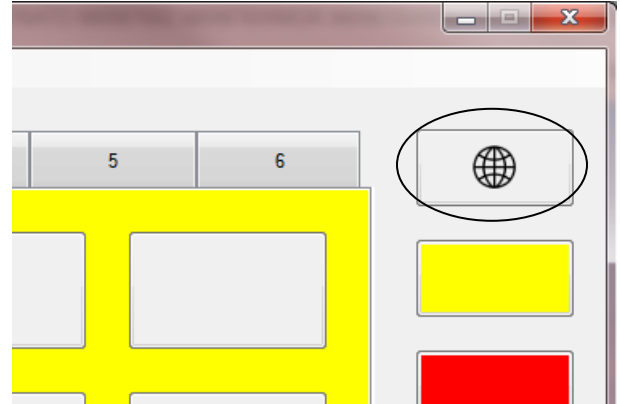
Enabling Alternate Button Names

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**.

Note: To disable Alternate Button Names repeat steps 1-3.

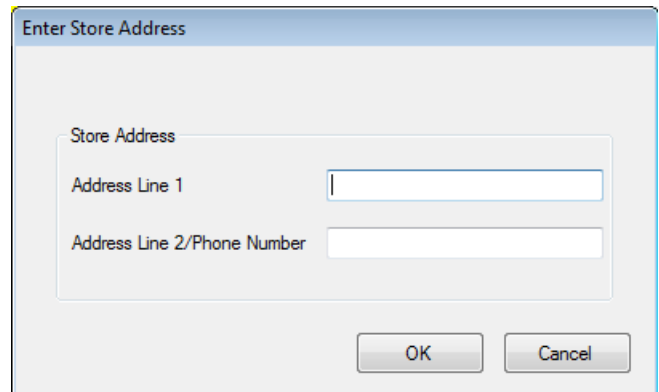
With Alternate Buttons Names enabled, you see the globe icon. After you enter alternate button names, you can press the globe button to toggle between languages.



Entering a Store Address

Enter a store address that prints on some of the standard label formats.

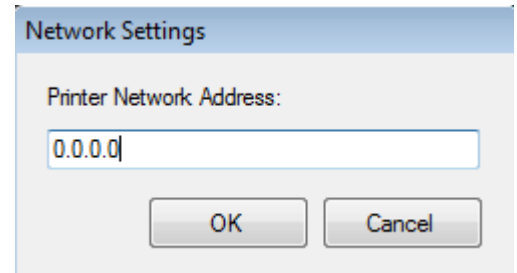
1. Start the EasyEdit+ Utility.
2. Start a new data file or open an existing one.
3. Click **Setup**, then **Enter Store Address**.
4. Enter the store address you want to print on the labels.
5. Click **OK**.



Communicating with the Printer

To communicate with a printer using Ethernet, enter your printer's IP Address in the EasyEdit+ Utility. Enter multiple IP Addresses separated by a semi-colon to communicate with more than one printer.

1. Connect the printer to your computer using an Ethernet cable.
2. Turn on the printer.
3. Start the EasyEdit+ Utility.
4. Click **Setup**, then **Network**.
5. Enter the printer's IP address.



Network Settings

Printer Network Address:

0.0.0.0

OK Cancel

To view your printer's IP address:

- a. On the printer, press Tools.
 - b. Select Admin Tools. Enter the admin password (default password is 1234).
 - c. Select System Settings.
 - d. Select Network Settings.
6. Click **OK**.

Note: Your printer may have wireless communication. For information on your printer's wireless settings, refer to the *Printer Management Application Technical Guide* found on our Web site.

CREATING A DATA FILE

Opening a New Data File

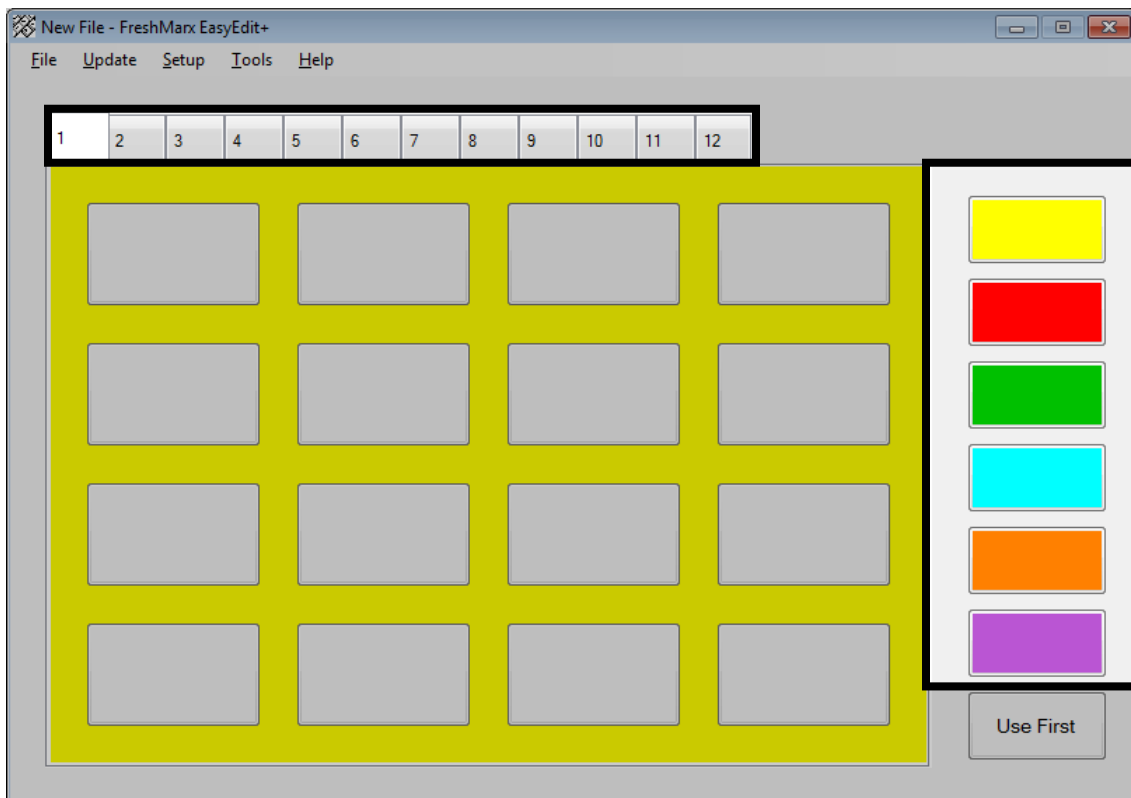
You can use the EasyEdit+ Utility to create a new data file.

1. Start the EasyEdit+ Utility. The Main screen appears.
2. Click **File, New**. A blank data file appears.
3. Create category and product buttons.

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: All products within a category must use the same format.

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.

Category Properties

Button Name:

Alternate Name:

Label Format: Format 1 - 1.2x 1.1 in (30 x 28 mm) ▼

Printer: Left ▼

Use By Description: *MUST USE BY*

Prep Description: *PREP*

Tab Names

1	2	3
4	5	6
7	8	9
10	11	12

Alternate Tabs

1	2	3
4	5	6
7	8	9
10	11	12

OK Cancel

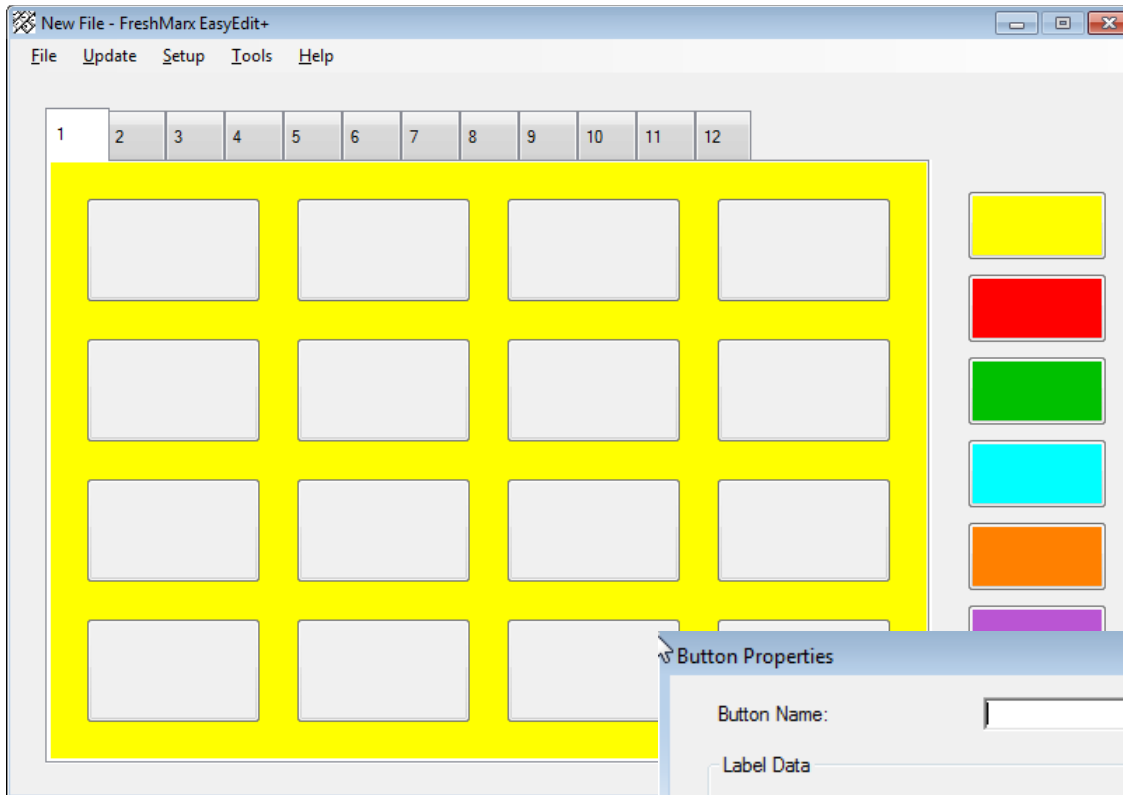
*Optional Fields

*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](#)”.
- Note:** 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. Enter the remaining fields as needed.
- Note:** To modify the Use By Description and/or Prep Description, remove the default text and enter your own.
6. Enter the Tab Names if you want to change them from numerical order.
 7. 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 "[Assigning 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.
5. Set the product's duration (expiration time). See "[About Freshness Labeling](#)" for more information.

A screenshot of the 'Button Properties' dialog box. The dialog has several sections:

- Button Name:** A text input field.
- Label Data:** Three text input fields for 'Description 1:', 'Description 2:', and 'Description 3:'. To the right are three buttons labeled 'B', 'I', and 'U'.
- Use By:** A section with 'Use By Description:' (text input with 'MUST USE BY'), 'Use By Duration:' (three spinners for Days, Hours, Minutes, all set to 0), and a checkbox for 'Use "End of Day" expiration mode'.
- Prep:** A section with a checked checkbox for 'Prep Description' (text input with 'PREP') and 'Prep Information:' (radio buttons for 'Date & Time' and 'Date').
- Button Mode:** A dropdown menu set to 'Label'.
- Button Location:** Radio buttons for 'Unlocked' and 'Locked'.

At the bottom are 'Clear Fields', 'OK', and 'Cancel' buttons.

6. Select Prep Description to print preparation information on the label. If selected, edit the Prep Description as necessary. The default is “Prep.”
7. Select to print the preparation date & time or just the date.
8. 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.
9. Enter any other information as necessary.
10. Click **OK** when finished.
11. Click the Category Buttons on the right to create product buttons within the different categories.
12. Click **OK** when finished.
13. Click File, then Save to save changes.

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.

The screenshot shows the 'Button Properties' dialog box. It has a title bar 'Button Properties'. Inside, there is a text input field for 'Button Name'. Below it is a 'Timer Duration' section with three input fields for 'Hours', 'Minutes', and 'Seconds', each containing the number '0'. Underneath is a 'Button Mode' section with a dropdown menu set to 'Timer'. At the bottom of this section are two radio buttons: 'Unlocked' (which is selected) and 'Locked'. At the very bottom of the dialog are three buttons: 'Clear Fields', 'OK', and 'Cancel'.

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.

The screenshot shows the 'Button Properties' dialog box. It has a title bar 'Button Properties'. Inside, there is a text input field for 'Button Name'. Below it is a 'Button Mode' section with a dropdown menu set to 'Video' and a 'Link' button to its right. At the bottom of this section are two radio buttons: 'Unlocked' (which is selected) and 'Locked'. At the very bottom of the dialog are three buttons: 'Clear Fields', 'OK', and 'Cancel'.

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.

The screenshot shows the 'Button Properties' dialog box. The 'Button Name' field is empty. The 'Button Mode' dropdown is set to 'Document'. A 'Link' button is visible next to the dropdown. The 'Button Location' section has 'Unlocked' selected with a radio button. At the bottom, there are 'Clear Fields', 'OK', and 'Cancel' buttons.

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.

The screenshot shows the 'Button Properties' dialog box. The 'Button Name' field contains 'Label & Video Button'. The 'Label Data' section has three text boxes for 'Description 1', 'Description 2', and 'Description 3', with bold (B), italic (I), and underline (U) icons above them. The 'Use By' section has 'Use By Description' set to 'MUST USE BY' and 'Use By Duration' set to 0 days, 0 hours, and 0 minutes. There are checkboxes for 'Use "End of Day" expiration mode' (checked) and 'Print "End of Day" on label'. The 'Prep' section has 'Prep Description' set to 'PREP' and 'Prep Information' set to 'Date'. The 'Button Mode' dropdown is set to 'Label & Video'. A 'Link' button is highlighted with a mouse cursor. The 'Button Location' section has 'Unlocked' selected. At the bottom, there are 'Clear Fields', 'OK', and 'Cancel' buttons.

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.

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 6, "Updating the 9417+ Printer Over a Network" for more information).
 - ◆ Save the file to your computer to transfer it to a smart device (refer to the *Freshmarx Smart Device System Administrator's Guide* found on our Web site).
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.

EDITING A DATA FILE

This chapter tells you how to use the EasyEdit+ Utility to edit an existing data file.

Opening an Existing Data File

Start the EasyEdit+ Utility. The Main screen appears.

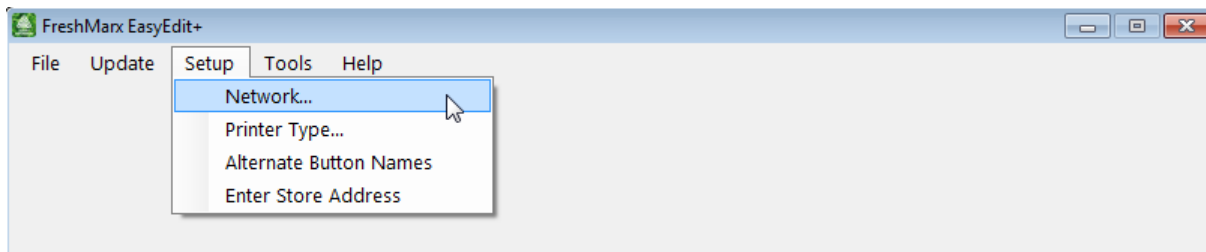
1. Click **File**, then **Open**.
2. Navigate to the data file you want to edit.

Note: 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.

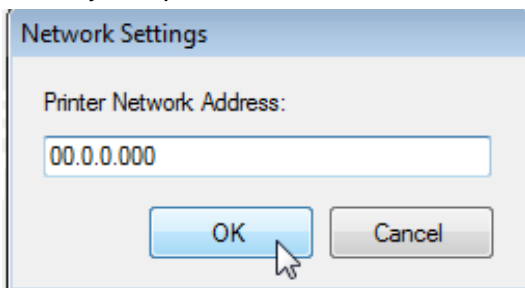
Uploading the Product Data File from Your Printer

Use an Ethernet connection to upload a product data file from the printer.

1. Connect the printer to your computer using an Ethernet cable.
2. Turn on the printer.
3. Start the EasyEdit+ Utility.
4. Click **Setup, Network**.

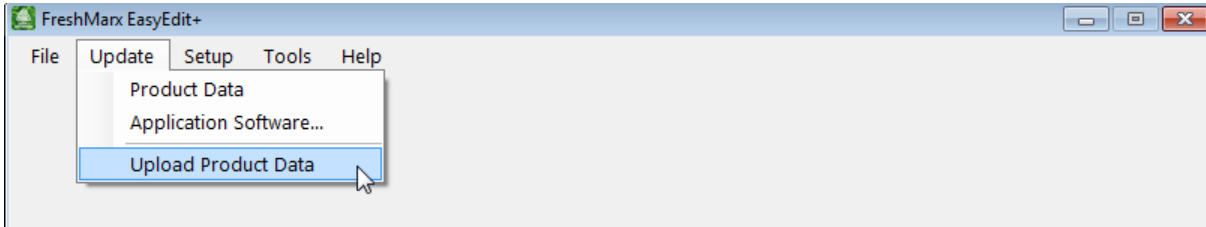


5. Enter your printer's IP Address then click **OK**.

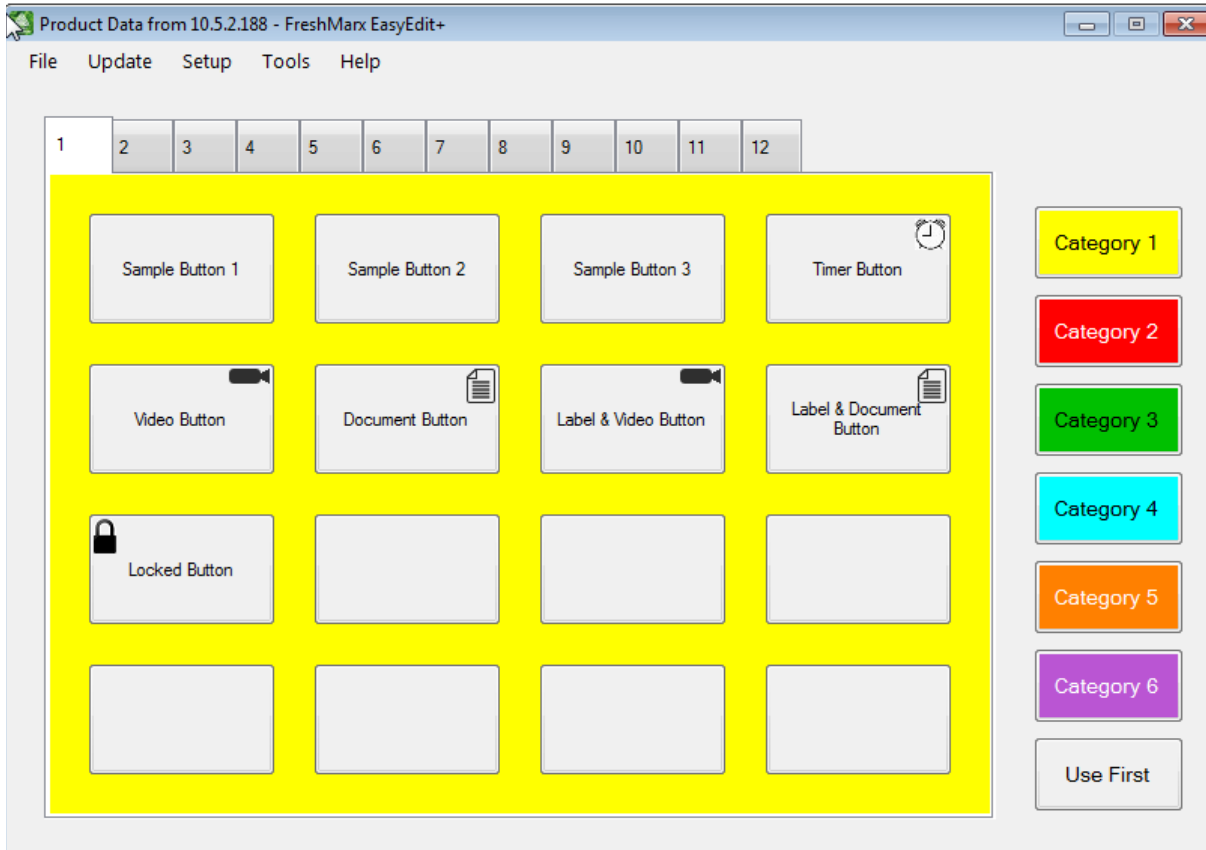
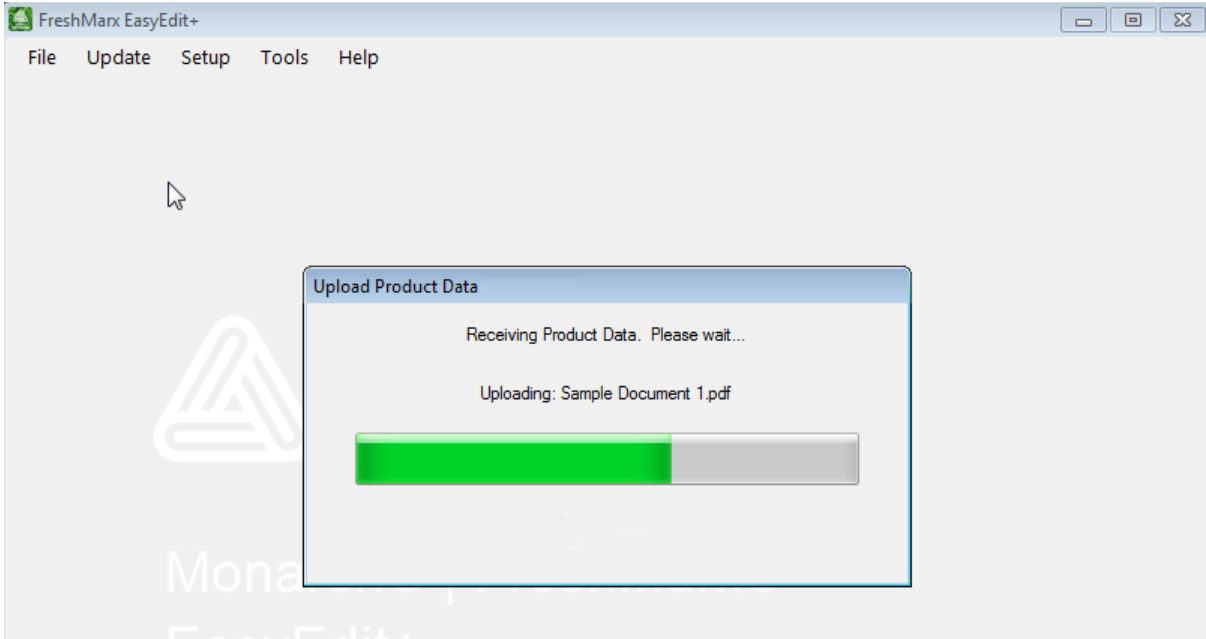


To view your printer's IP Address, on the printer select Tools, Admin (default password 1234), System Settings, Network.

6. Click **Update, Upload Product Data.**



7. Select the printer IP address.. The product data file is uploaded. When the upload is complete, the product data file is ready to edit.



Editing Category Buttons

You can change the names of the category buttons, change format that prints for each category, select which printer to use, and name the tabs.

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

Note: All products in the same category must use the same format.

1. Click the category button you want to edit.

Category Properties

Button Name:

Alternate Name:

Label Format:

Printer:

Use By Description:

Tab Names

1	2	3
4	5	6
7	8	9
10	11	12

Alternate Tabs

1	2	3
4	5	6
7	8	9
10	11	12

OK Cancel

*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.

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

4. Select which printer will print the product labels for this category. This option does not appear for single printers or if you have not correctly specified a dual printer. See “Specifying the Printer’s Type” for more information.

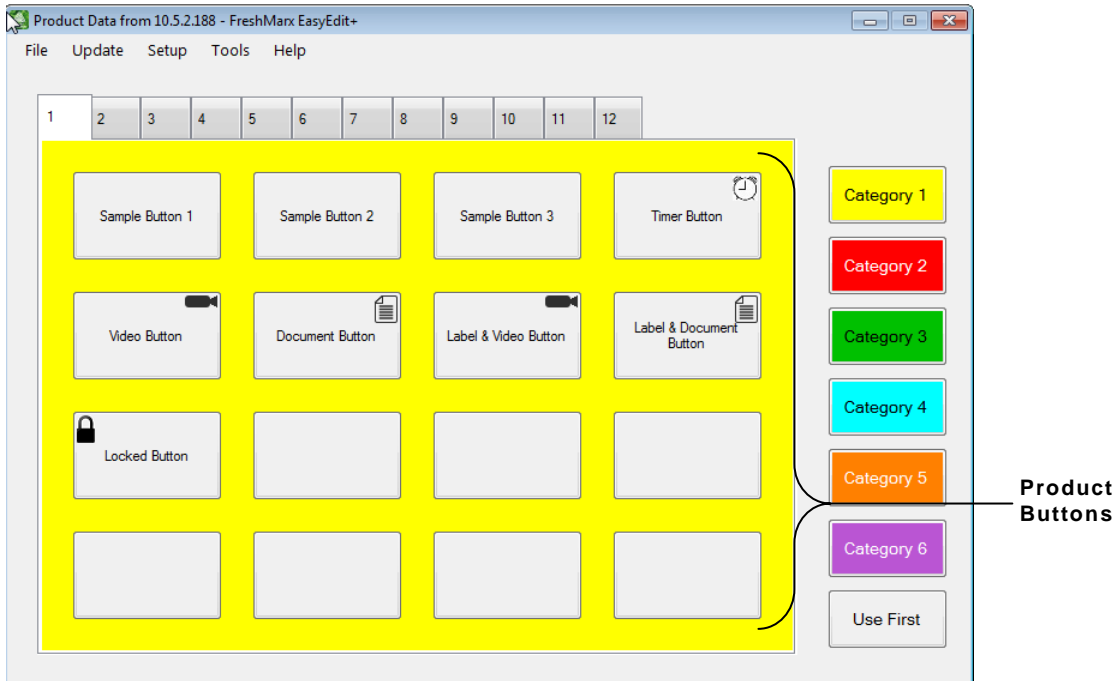
5. Enter the Use By Description.

6. Enter the Tab Names if necessary.

7. Click **OK** when finished.

Editing Product Buttons

1. Click **File**, then **Open...** to edit an existing data (.dat) file. Navigate to the data file you want to edit, click **Open**. You see your data file.



2. Click a button to edit. Right click a button to Delete, Cut, or Copy; see "[Deleting, Cutting, Copying, and Inserting Product Buttons](#)".
3. Enter the Button Name.
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.
5. Enter the Use By Description. The default is "MUST USE BY."
6. Set the product's duration (expiration time). See "[About Freshness Labeling](#)".
7. Enter any other information as necessary.
8. Click **OK** when finished.
9. Click the Category Buttons on the right to edit product buttons within the different categories.
10. Click **OK** when finished.
11. Click **File**, then **Save** to save changes.

SORTING THE DATA FILE

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.

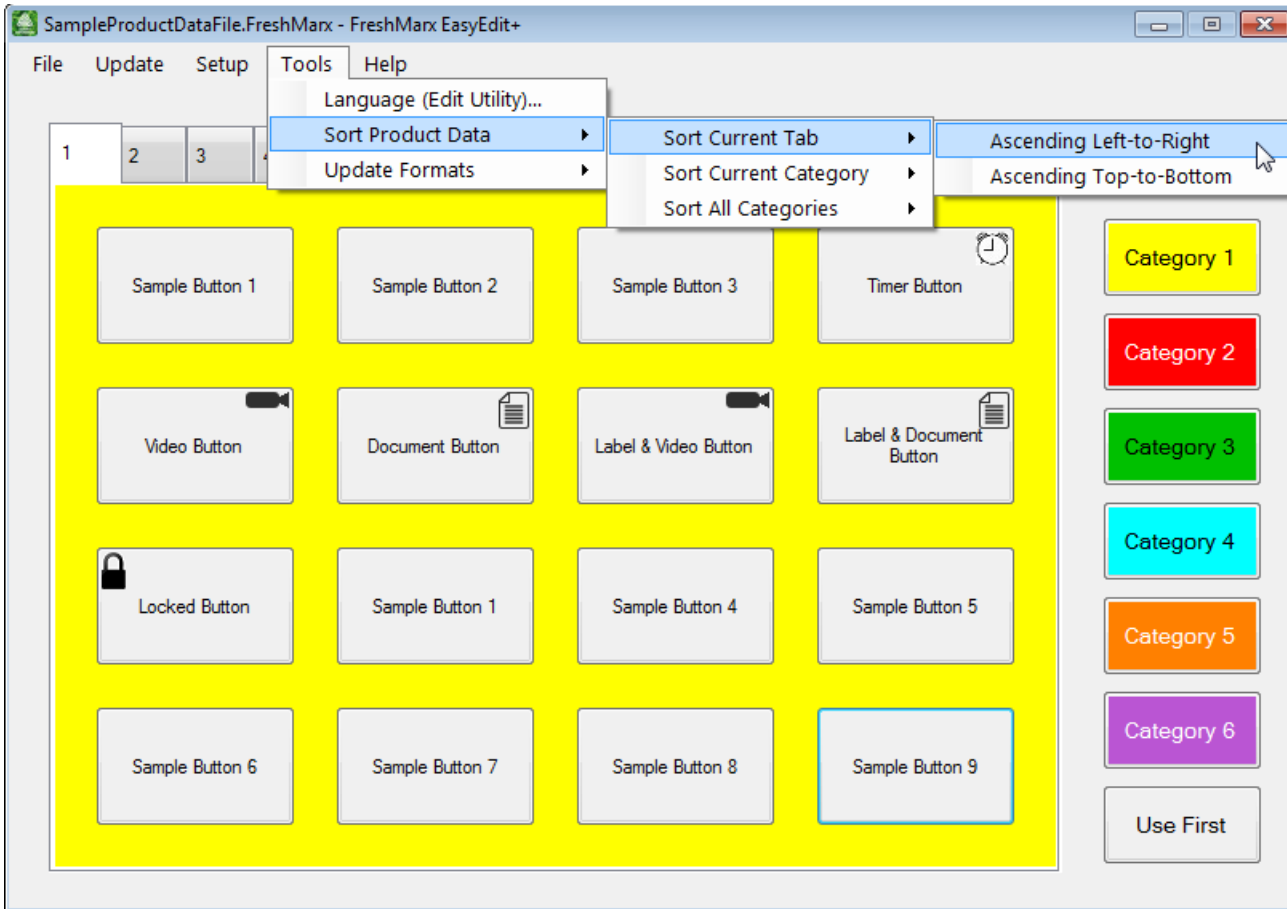
Locked product buttons have a lock icon in the upper left corner of the button.

The screenshot displays the 'Product Data from 10.5.2.188 - FreshMarx EasyEdit+' application window. The main interface features a grid of buttons. One button, labeled 'Locked Button', is circled in black and has a small lock icon in its top-left corner. The 'Button Properties' dialog box is open over the grid, showing settings for a 'Sample Locked Button'. The 'Button Location' option is set to 'Locked' and is circled in black. The dialog box includes fields for 'Button Name', 'Label Data' (with B, I, U icons), 'Description 1', 'Description 2', and 'Description 3'. It also has 'Use By' settings for 'Use By Description' (set to 'MUST USE BY') and 'Use By Duration' (Days, Hours, Minutes, all set to 0). There are checkboxes for 'Use "End of Day" expiration mode' (checked) and 'Print "End of Day" on label'. The 'Prep' section includes a 'Prep Description' field (set to 'PREP') and 'Prep Information' options (Date & Time, Date). The 'Button Mode' is set to 'Label'. At the bottom of the dialog, there are 'Clear Fields', 'OK', and 'Cancel' buttons.

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**.



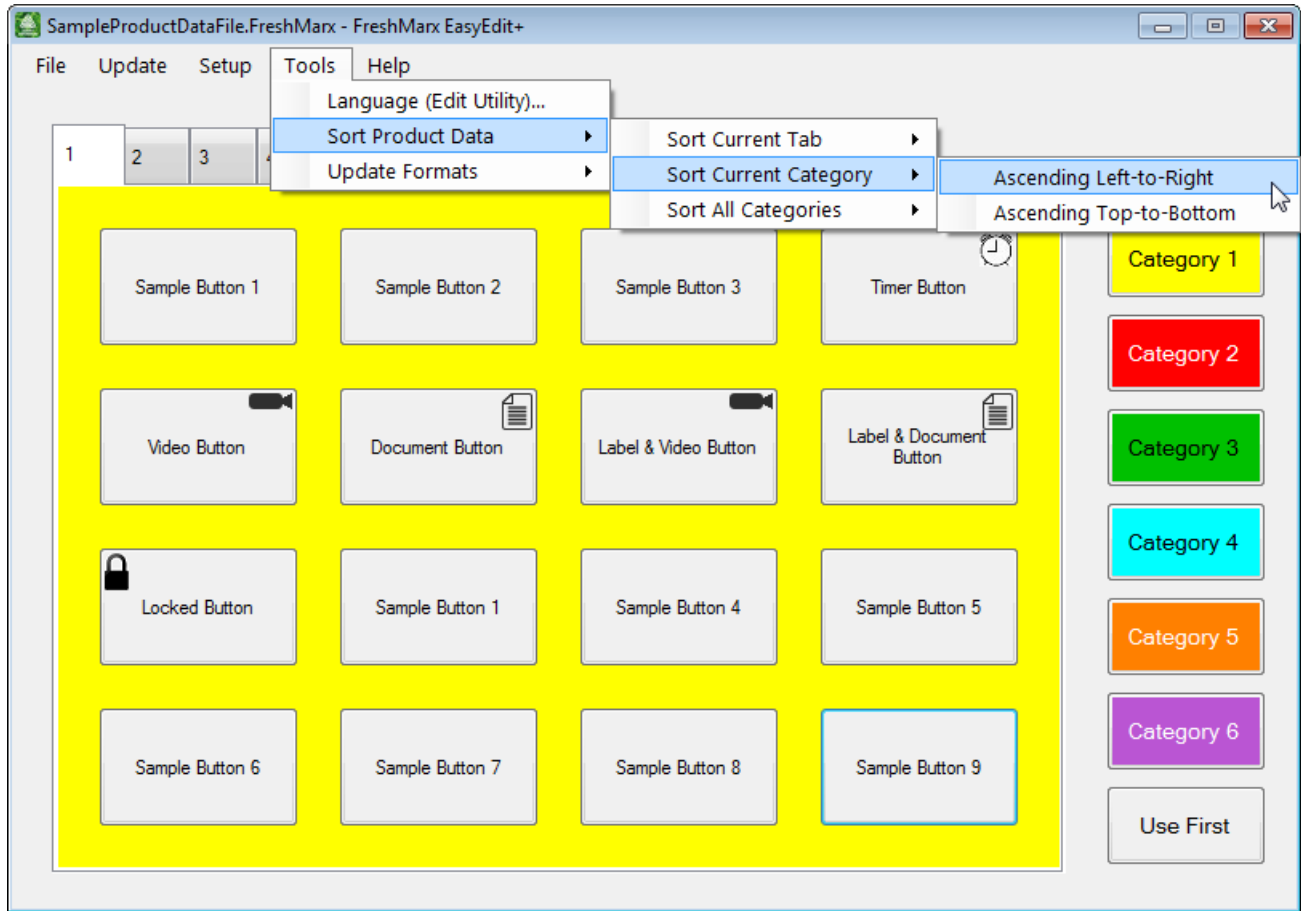
3. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row.
Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top left button and going down each row.

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**.



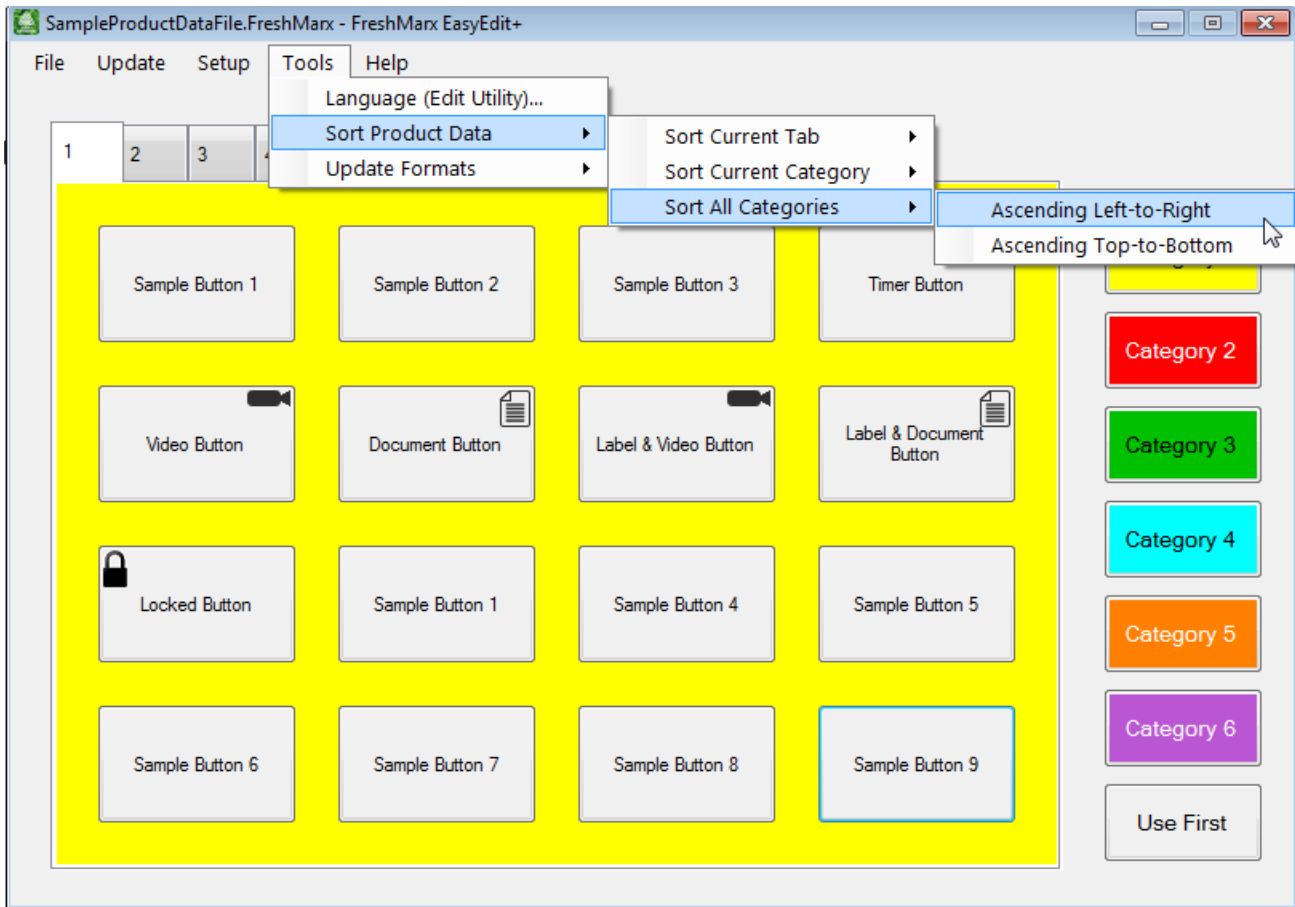
3. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row (and continuing for additional tabs). Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top left button and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



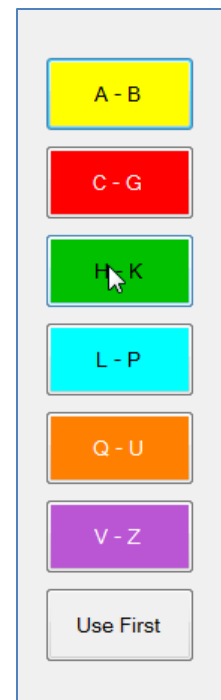
2. Select **Ascending Left-to-Right** if you want your buttons sorted alphabetically starting with the top left button and going across each row (and continuing for additional tabs and categories).
Select **Ascending Top-to-Bottom** if you want the buttons sorted alphabetically starting with the top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

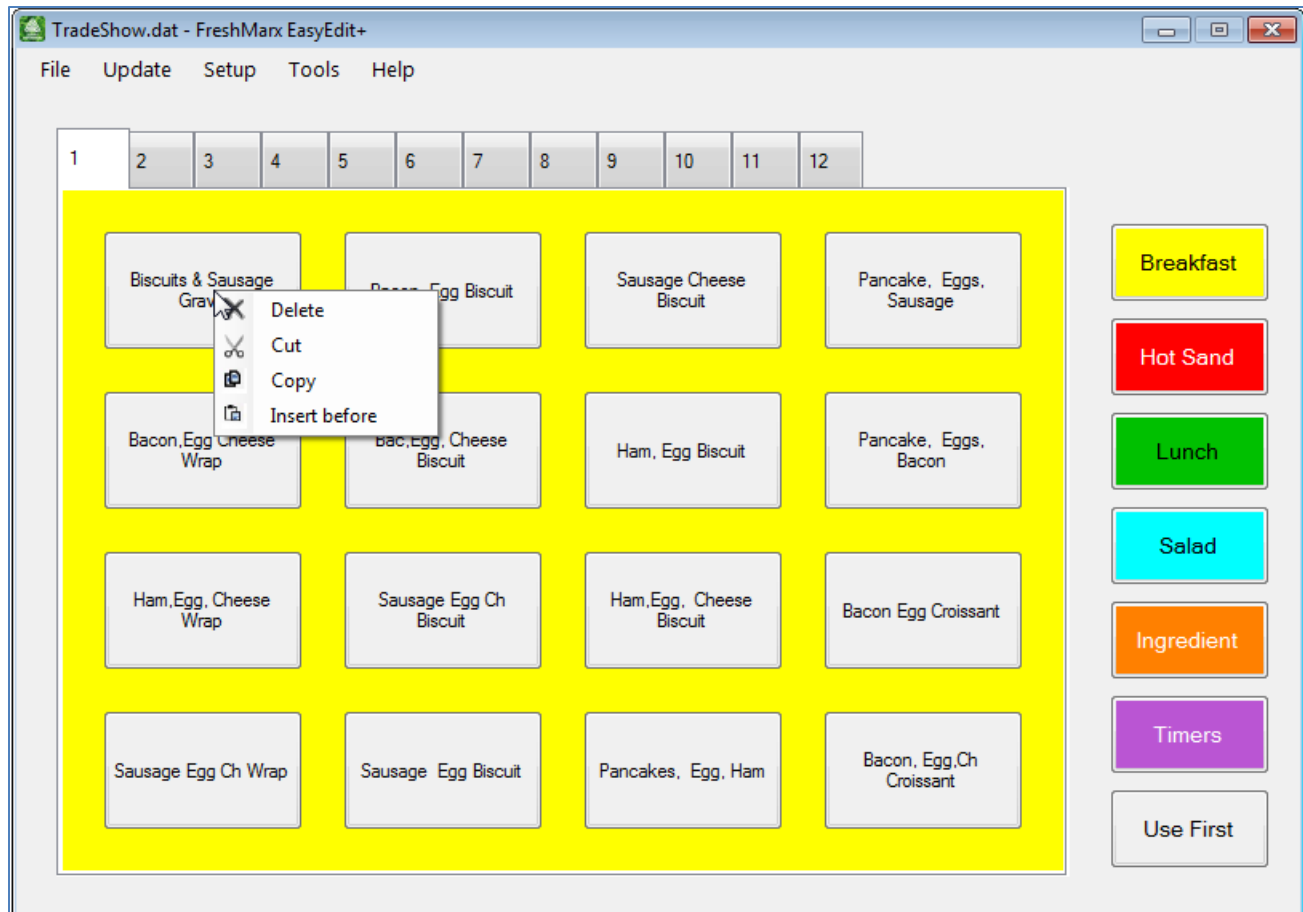
If your Product Data File contains a large number of items or is getting difficult to navigate, consider sorting all categories. For example, group all items starting with A - B, C - G, H - K, L - P, Q - U, and V - Z as shown below.

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.

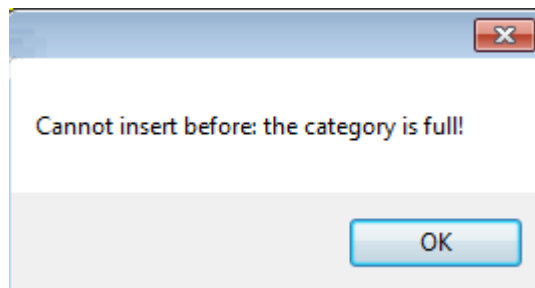


Deleting, Cutting, Copying, & Inserting Product Buttons

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



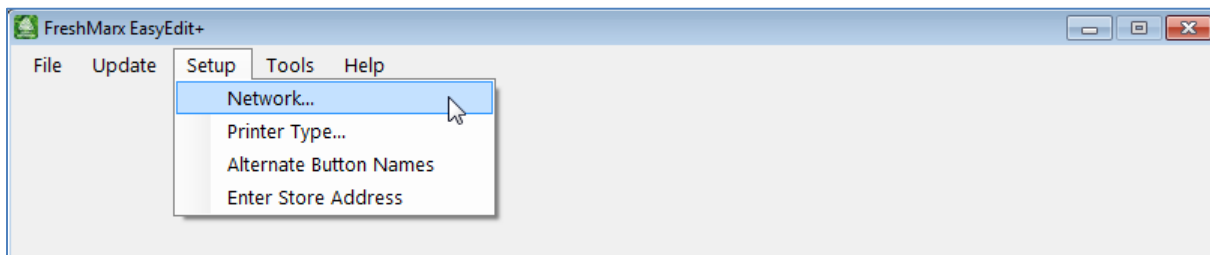
UPDATING THE 9417+PRINTER ON A NETWORK

Sending the Product Data File to the Printer

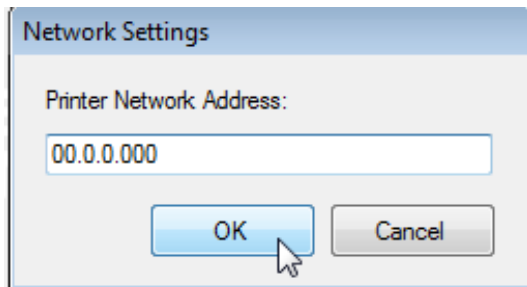
You can use an Ethernet connection to transfer your data file from the computer to your printer.

When you finish making changes to the Product Data file, you can download it to the printer.

1. Connect the printer to your computer using an Ethernet cable.
2. Turn on the printer.
3. Start the EasyEdit+ Utility.
4. Click **Setup, Network**.



5. Enter your printer's IP Address then click **OK**. Separate multiple IP Addresses using a semi-colon.



To view your printer's IP Address, on the printer select Tools, Admin (default password 1234), System Settings, Network.

6. Click **Update, Update Product Data**.
7. Click **OK**. The product data file is transferred to the printer.

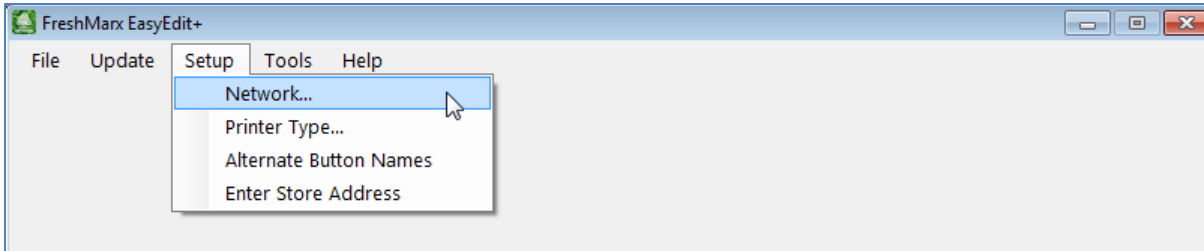
Updating the Printer's Application Software

You can use an Ethernet connection to update the Application's software.

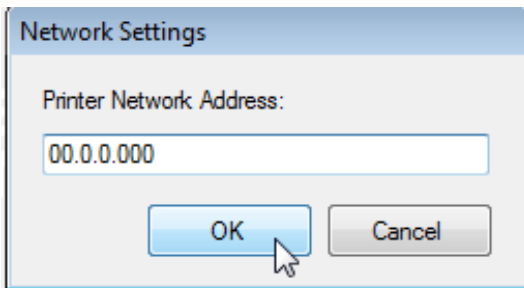
Download the latest Freshmarx Application from our Web site onto your computer.

Note: Save the file to your computer's hard drive, not a network drive.

1. Connect the printer to your computer using an Ethernet cable.
2. Turn on the printer.
3. Start the EasyEdit+ Utility.
4. Click **Setup, Network.**



5. Enter your printer's IP Address then click **OK**. Separate multiple IP Addresses using a semi-colon.



To view your printer's IP Address, on the printer select Tools, Admin (default password 1234), System Settings, Network.

6. Click **Update, Application Software.**
7. Select the file you downloaded from the Web site.
8. Click **Open.**
9. The printer enters download mode. This may take several minutes. A message appears when the download is complete.
10. Click **OK**. The printer restarts automatically and loads the updated application file.

STANDARD LABEL FORMATS

A

This appendix shows a sample of each label format.

Format 1

Prints 1.2" wide x 1.1" long labels.

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

Enter the following information for each field:

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

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.

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

Enter the following information for each field:

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

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.

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

Enter the following information for each field:

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

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.

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


Enter the following information for each field:

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

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.

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

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 25 characters.
<i>Description 2</i>	Prints up to 25 characters.
<i>Prep</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
<i>Barcode</i>	Must enter the correct number of characters based on barcode type

Format 6

Prints 2.2" wide x 3.0" long labels.

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

Enter the following information for each field:

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

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.

Description 1
Description 2

PREP PREP
MM/DD/YY HH:MM:PM

MUST USE BY MUST USE BY
MM/DD/YY HH:MM:PM

EMP: EMPL



DAY OF WEEK

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.

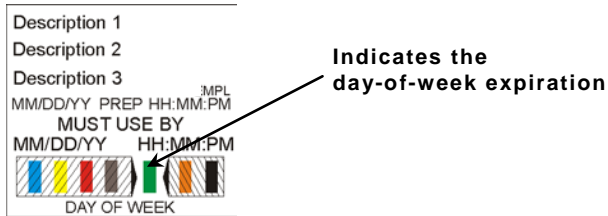
Enter the following information for each field:

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

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

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

Store Name

Description 1
Description 2

INGREDIENTS:
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius laoreet lacus vel fringilla. Duis lacinia sem tortor, sit amet dapibus erat fermentum id. Ut ut tellus et urna finibus dictum. Vivamus non diam in urna semper eleifend. Mauris viverra turpis et mauris auctor sodales. Duis tincidunt commodo ligula, vitae aliquet massa tempus sed. Aliquam ac ligula sit amet felis posuere congue vel sed sem. Nulla porta condimentum enim, et dapibus ipsum lacinia tincidunt. Etiam et facilisis risus. Nullam finibus nisi non elementum placerat. Phasellus eu efficitur mauris. Sed bibendum convallis sollicitudin. Ut vitae nisi in ligula condimentum tempor. Aenean vulputate felis dolor, at cursus purus tristique id. Sed viverra neque sed leo vehicula, eget tincidunt lacus tincidunt. Aenean vehicula, odio non mollis imperdiet, sapien metus hendrerit est, sit amet facilisis

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

PREP MM/DD/YY



MUST USE BY MM/DD/YY
Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 11

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name

Description 1
Description 2
Description 3

INGREDIENTS:
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius laoreet lacus vel fringilla. Duis lacinia sem tortor, sit amet dapibus erat fermentum id. Ut ut tellus et urna finibus dictum. Vivamus non diam in urna semper eleifend. Mauris viverra turpis et mauris auctor sodales. Duis tincidunt commodo ligula, vitae aliquet massa tempus sed. Aliquam ac ligula sit amet felis posuere congue vel sed sem. Nulla porta condimentum enim, et dapibus ipsum lacinia tincidunt. Etiam et facilisis risus. Nullam finibus nisi non elementum placerat. Phasellus eu efficitur mauris. Sed bibendum convallis sollicitudin. Ut vitae nisi in ligula condimentum tempor. Aenean vulputate felis dolor, at cursus purus tristique id. Sed viverra neque sed leo vehicula, eget tincidunt lacus tincidunt. Aenean vehicula, odio non mollis imperdiet, sapien metus hendrerit est, sit amet facilisis

MUST USE BY MM/DD/YY

Net Weight Price

Format 12

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name

Description 1

Description 2

INGREDIENTS:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed varius laoreet lacus vel fringilla. Duis lacinia sem tortor, sit amet dapibus erat fermentum id. Ut ut tellus et urna finibus dictum. Vivamus non diam in urna semper eleifend. Mauris viverra turpis et mauris auctor sodales. Duis tincidunt commodo ligula, vitae aliquet massa tempus sed. Aliquam ac ligula sit amet felis posuere congue vel sed sem. Nulla porta condimentum enim, et dapibus ipsum lacinia tincidunt. Etiam et facilisis risus. Nullam finibus nisi non elementum placerat. Phasellus eu efficitur mauris. Sed bibendum convallis sollicitudin. Ut vitae nisi in ligula condimentum tempor. Aenean vulputate felis dolor, at cursus purus tristique id. Sed viverra neque sed leo vehicula, eget tincidunt lacus tincidunt. Aenean vehicula, odio non mollis imperdiet, sapien metus hendrerit est, sit amet facilisis

MUST USE BY MM/DD/YY

Net Weight

Price

Format 20

Prints 2.2" wide x 3.0" long labels.

Enter the following information for each field:

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

Description 1

Nutrition Facts

Serving Size

Servings Per Container

Amount Per Serving

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

Total Fat

Saturated Fat

Trans Fat

Cholesterol

Sodium

Total Carbohydrates

Dietary Fiber

Sugar

Protein

Vitamin A

Calcium

Vitamin C

Iron

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

Format 21

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name
Description 1
Description 2

Nutrition Facts
Serving Size
Servings Per Container

Amount Per Serving

Calories	Calories from Fat
	% Daily Value *

Total Fat

Saturated Fat

Trans Fat

Cholesterol

Sodium

Total Carbohydrates


Dietary Fiber

Sugar

Protein

Vitamin A	*	Vitamin C
Calcium	*	Iron

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



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MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1

ADDRESS LINE 2/PHONE NUMBER

Format 22

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name
Description 1
Description 2

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

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(ALLERGENS) Lorem ipsum dolor sit amet, consectetur



MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 30

Prints 2.2" wide x 3.0" long labels.

Enter the following information for each field:

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


Store Name		
Description 1		
Description 2		
Nutrition		
Typical values	100g contains	Each serving (XX g) contains
Energy	kJ	kJ
Fat	kcal	kcal
of which saturates	g	g
Carbohydrate	g	g
of which sugars	g	g
Fibre	g	g
Protein	g	g
Salt	g	g

Format 31

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name		
Description 1		
Description 2		
Nutrition		
Typical values	100g contains	Each serving (XX g) contains
Energy	kJ	kJ
	kcal	kcal
Fat	g	g
of which saturates	g	g
Carbohydrate	g	g
of which sugars	g	g
Fibre	g	g
Protein	g	g
Salt	g	g
Prep: MM/DD/YYYY		
		
MUST USE BY MM/DD/YY		
Net Weight		Price
STORE ADDRESS LINE 1		
ADDRESS LINE 2/PHONE NUMBER		

Format 32

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:


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

Store Name
Description 1
Description 2

Nutrition

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

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MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 40

Prints 2.2" wide x 3.0" long labels.

Enter the following information for each field:

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

Store Name

Description 1

Description 2

NUTRITION INFORMATION

Servings per pack

Serving Size

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

Format 41

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Store Name

Description 1

Description 2

NUTRITION INFORMATION

Servings per pack

Serving Size

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

Prep: MM/DD/YYYY



MUST USE BY MM/DD/YY

Net Weight Price

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

Format 42

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:


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

Store Name
Description 1
Description 2

NUTRITION INFORMATION
Servings per pack
Serving Size

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

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

Format 43

Prints 2.2" wide x 4.0" long labels.

Enter the following information for each field:

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

Description 1

Store Name

STORE ADDRESS LINE 1
ADDRESS LINE 2/PHONE NUMBER

NUTRITION INFORMATION

Servings per pack

Serving Size

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

INGREDIENTS:

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MUST USE BY

MM/DD/YY

Price

CUSTOM LABEL FORMATS

This appendix shows how to work with custom label formats.

Contact Avery Dennison for information on creating custom label formats.

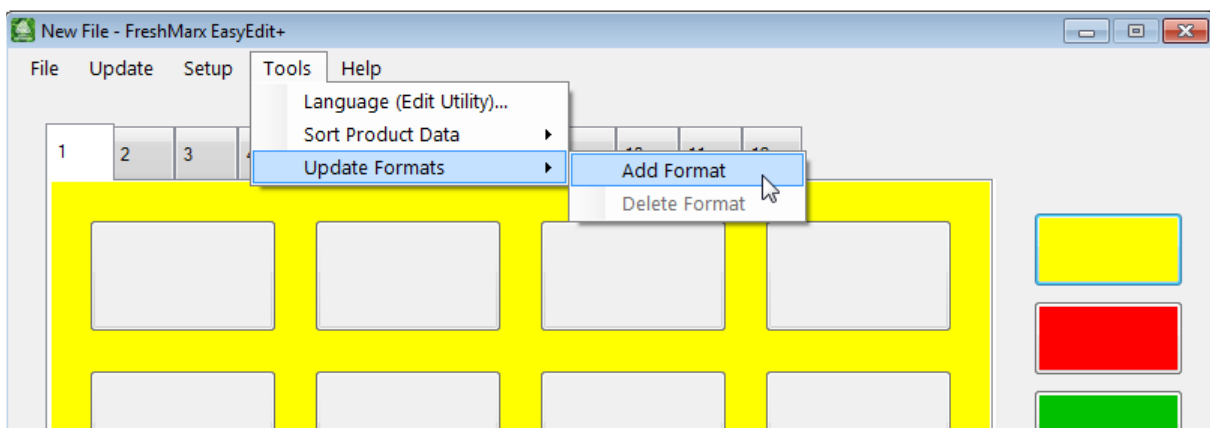
Note: Each custom format requires two files; one .LNT and one .XML. The files must have the exact same file name and must be saved in the same directory.

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).

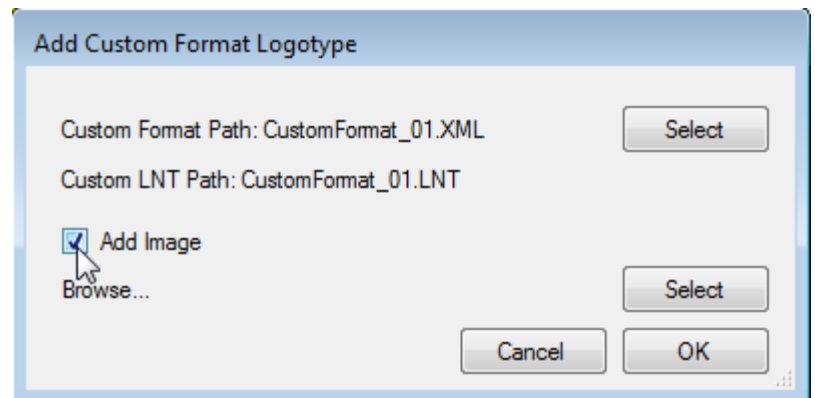
Adding a Custom Format

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**.



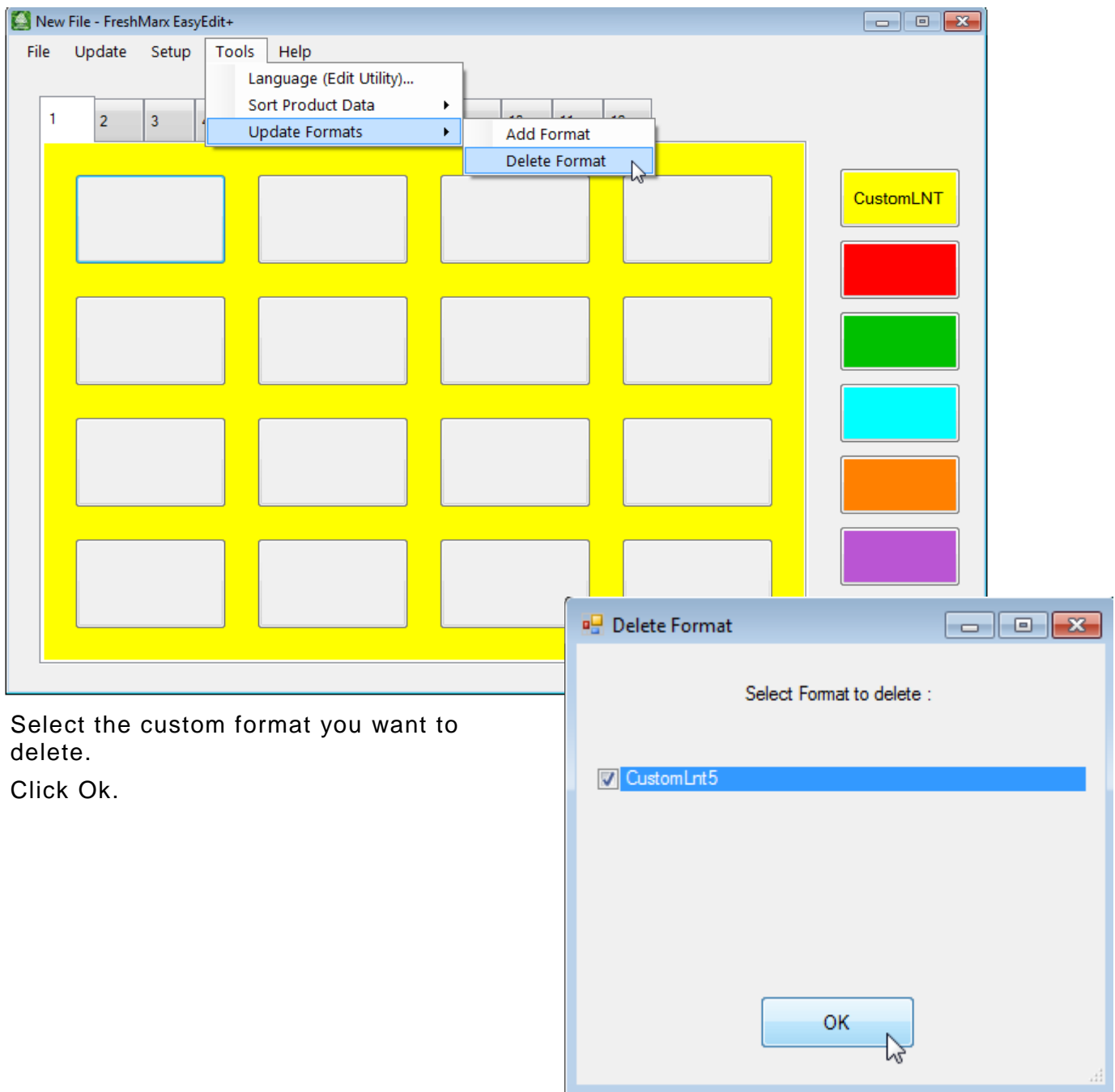
4. Navigate to the custom format file (.LNT) you want to add, then click **Open**.
5. If your custom format includes an image, click the Add Image check box.
6. Click **Select** to browse to the image file (.png, .jpg, .gif, .bmp.).
7. Select the image file to use then click **Open**.
8. Click Ok to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



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.

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.

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)
- ◆ MPEG-4 (MP4, MOV, 3GP, M4A, M4B, K3G, MQV)
- ◆ Matroska (MKV, MKA)

Supported Video Codecs

Use one of the following codecs when converting video files.

- ◆ Xvid
- ◆ MPEG-4
- ◆ MPEG-1

Recommended resolution

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

Video Conversion

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

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

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

Using this conversion tool, follow these instructions:

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

Document Specifications

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

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

Image Specifications

Images must be of following file types to properly view on the 9417+ printer.

- ◆ .BMP
- ◆ .GIF
- ◆ .JPG
- ◆ .PNG

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