

**Receipt Marketing  
Software Solution**



**Training  
Guide**

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# Introduction

## Welcome to TPG's ReceiptWare Tutorial Guide

This guide is designed to help familiarize you with the powerful features available in ReceiptWare, TPG's Receipt Marketing Software. It will help get you started communicating with your customers. This guide is designed for both the Retail and Financial applications.

**Note:** This guide will cover mostly Retail focused graphics, but the same concepts are relevant for the Financial version.

## Create a Customized Receipt Format File

The following is a step-by-step process designed to help you create your own receipt format (AXI) file. To give you a complete tutorial, we have provided a demo sample receipt (**ReceiptWare Tutorial Folder>TPG Store Receipt.txt**), which will be used as a model to build your AXI file.

# Before

The TPG Store  
25 Tri-State International, Suite 200  
Lincolnshire, IL 60069  
Tel: 847 383 7900 Fax: 847 383 7949  
Sales Toll Free: 800 732 8950  
Mr. Smith is your store Director

## Dry Goods

	Orig Price	Loyalty Price
3 Tex-Mex Salsa	\$7.35	\$6.30
2 Tostitos Lime Chips	\$3.60	
2 Cans Alamo Refried Beans	\$2.40	\$1.98
2 Cans Green Chiles	\$2.20	\$1.90
1 Gringos Tortillas	\$1.54	\$1.89
1 Johns Lava Sauce	\$2.00	

## Dairy

	Orig Price	Loyalty Price
1 Cayuga Brand Sour Cream	\$1.54	\$1.20
2 Sargento Shredded Cheese	\$4.98	
2 Knorr's Fiesta Dip	\$4.30	
1 Gal. Milk	\$2.30	

## Beverages

	Orig Price	Loyalty Price
2 Luisa Cortes Mohito Mix	\$6.00	\$3.50
2 St. Lucia Margarita Mix	\$7.50	
1 Turkey Hill Iced Tea	\$2.50	\$1.95
1 6-pack Dos Equis	\$6.99	

## Produce

	Orig Price	Loyalty Price
1 Lemon	\$0.69	
1 Key Lime	\$0.80	
1 Habenero Pepper	\$0.45	
1 Romaine Lettuce	\$0.89	

## Health & Beauty

	Orig Price	Loyalty Price
1 Roloids Xtra Relief	\$1.55	

## Sundries

	Orig Price	Loyalty Price
1 pack Dixie Paper Plates	\$2.25	
1 pack Cayuga Brand Knives	\$3.00	\$2.50
1 pack Cayuga Brand Forks	\$3.00	\$2.50
1 pack Cayuga Brand Spoons	\$3.00	\$2.50
1 pack Napkins	\$3.25	

Sub Total	\$67.42
Tax	\$5.39
Total	\$72.81

Credit Authorization

Shoppers Club Member

\*\*\*\*\*  
\*\*\* Loyalty Savings \$7.01 \*\*\*  
\*\*\*\*\*

!!!It is our pleasure to serve you!!!

# After

Transaction Printer Group - Headquarters  
25 Tri-State International, Suite 200, Lincolnshire, IL 60069  
Tel: 847 383 7900 Fax: 847 383 7949  
Sales Toll Free:  
800 732 8950

## Dry Goods

	Orig Price	Loyalty Price
3 Tex-Mex Salsa	\$7.35	\$6.30
2 Tostitos Lime Chips	\$3.60	
2 Cans Alamo Refried Beans	\$2.40	\$1.98
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## Dairy

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## Beverages

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## Produce

	Orig Price	Loyalty Price
1 Lemon	\$0.69	
1 Key Lime	\$0.80	
1 Habenero Pepper	\$0.45	
1 Romaine Lettuce	\$0.89	

## Health & Beauty

	Orig Price	Loyalty Price
1 Roloids Xtra Relief	\$1.55	

## Sundries

	Orig Price	Loyalty Price
1 pack Dixie Paper Plates	\$2.25	
1 pack Cayuga Brand Knives	\$3.00	\$2.50
1 pack Cayuga Brand Forks	\$3.00	\$2.50
1 pack Cayuga Brand Spoons	\$3.00	\$2.50
1 pack Napkins	\$3.25	

Sub Total	\$67.42
Tax	\$5.39
Total	\$72.81

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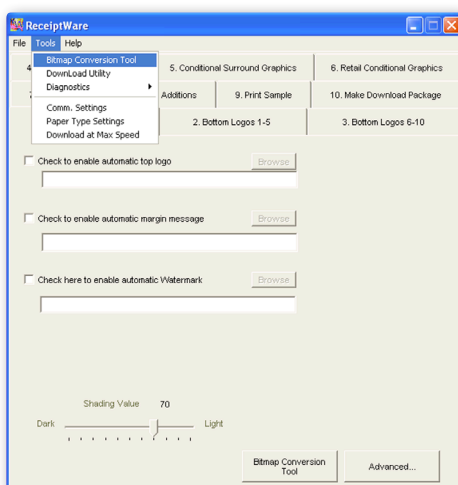
You will eventually send the above text file to the printer in order to test the Receipt Format (AXI) file that you create. This receipt file contains text and printer HEX (bold, center, cut paper, etc.) commands. It can be opened using Microsoft® Notepad or Word to edit.

**Note:** Before starting this tutorial, please check that you have a POS printer attached to your computer as well as a copy of the **POS Download Utility** installed. To be sure that you have **POS Download Utility** installed, click on **Start>Programs>ReceiptWare>TPG ReceiptWare**. You will see the icon labeled **Launch posDL.exe** if you have the utility currently installed.

# Getting Started

Before we get started, it is important that you understand the Bitmap Conversion Tool used to convert BMP to LGO files. ReceiptWare will only recognize LGO files, so you must convert all of your BMP files prior to building your Receipt Format File. A Receipt Format File contains all the commands necessary to print graphics and instructions on your TPG printer with ColorPOS technology.

1. Open ReceiptWare by clicking on **Start>Programs>TPG>ReceiptWare>ReceiptWare**.
2. Once open, you will notice the default **Legacy Graphics** tab appear on your screen. Within this section, you will choose the Top Logo, Margin Message, Watermark graphics that will be included on every receipt generated. But first, we will walk through the Bitmap Conversion Tool and how it works.



# Bitmap Conversion Tool

The Bitmap Conversion Tool will allow you to re-map colors from your BMP graphic file to colors that are available in TPG printers with ColorPOS technology.

**Note:** ReceiptWare is only compatible with TPG printers with ColorPOS technology.

Access the **Bitmap Conversion Tool** by selecting **Tool>Bitmap Conversion Tool**. You can also open this utility by selecting the **Bitmap Conversion Tool** button located on the bottom right-hand side of the **Legacy Graphics**, and **Bottom Logos** tab.

1. **Loading the bitmap** – For this exercise, click on the **Load Bitmap** button. From the **open bitmap file** window, find your CD drive and select **ReceiptWare Tutorial Folder>Sample BMP graphics folder>TPG Store Logo.bmp**, and click on the **Open** button. The bitmap you have selected is displayed on the screen.

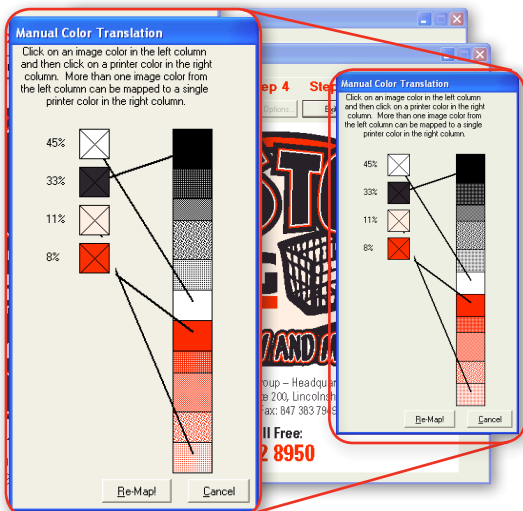


2. **Resizing the bitmap** – Resize the bitmap by clicking on the **Resize** button at the top of the screen. A window entitled **Resize Bitmap** will appear with a value of **576** in the width field. For this demo, we are going to keep this default value. Click on the **Resize** button to continue.

**Note:** TPG printers have a maximum pixel width of 576 pixels.



3. **Modifying the colors** – Once you have resized the graphic, click on the **Modify Colors** button to proceed. A window will appear asking for the maximum number of user colors as well as the conversion speed. For best results, it is recommended that you keep the maximum number of user colors to around 5 and the conversion speed to around 500. Once you have made your selections, click **OK**. Another window will pop up entitled **Manual Color Translation**. The colors that appear on the left-hand side of the window were detected by the software in the original bitmap file and broken down into percentages. The colors on the right side of the window represent all of the gradients within the two-color scale that are available for re-mapping. Select each color in the left-hand column and match it with the desired color in the right-hand column. Then, click on the **Re-Map** button to apply the changes that you have made.



4. **Saving options** – After you have resized and modified the colors of the bitmap that you would like to use, you will need to save your options. To do this, click on the **Save Options** button on the menu. At this time, save your options as **TPG Store Logo.lgo**. Click on the **Exit** Button to exit save options.



5. The Top Logo graphic has been converted and saved. Now click on the **Exit** button to close the Bitmap Conversion Tool and go back to the **Legacy Graphics** tab.



**Note:** The bitmap conversion tool will only work with bitmap (BMP) files that are under 24-bit. If you have a bitmap that is 24-bit or over, open the file with an application that accepts bitmap files (i.e., Microsoft® Paint), and then save it as a 12-bit bitmap file.



Use the same process to convert all the graphics now that you'll need for this tutorial. The graphics and filenames are as follows:

**Margin Message** – TPG Store MMess.bmp

**Watermark** – TPG WMark.bmp

**Bottom Logos** – Retail: Chip Coup.bmp, Film Coup.bmp, and New Store.bmp Financial: TPG Bank.bmp and TPG Bank BLogo.bmp

Below are thumbnails of the graphics listed above for your reference.



Top Logo (Retail)



Top Logo (Financial)

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Margin Message (Financial/Retail)



Watermark (Financial/Retail)



Bottom Logo 1 (Retail)



Bottom Logo 2 (Retail)



Bottom Logo 3 (Retail)



Bottom Logo 1 (Financial)

Once you have converted all the files from BMP to LGO format you are ready to proceed with the tutorial.



Conditional Graphic 4 (Retail)



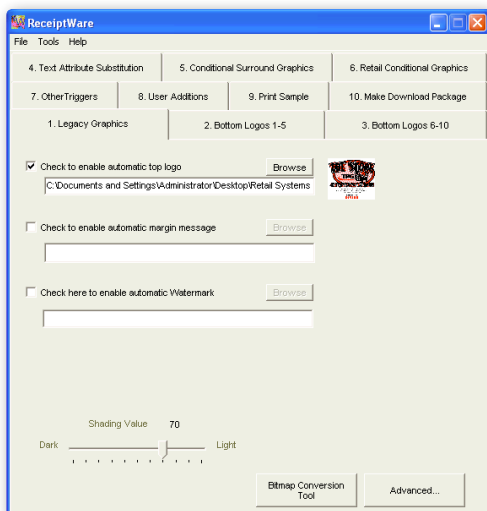
Conditional Graphic 1 (Financial)

# Legacy Graphics

1. If ReceiptWare is not open, open ReceiptWare by clicking on **Start>Programs>TPG>ReceiptWare>ReceiptWare**.
2. Once open, you will notice the default **Legacy Graphics** tab appear on your screen. Within this section, you will choose the graphics that will be included on every receipt generated. Graphics include:
  - a. **Top Logo** – A Top Logo is a user-defined graphic that prints at the top of the receipt before any other data.
  - b. **Margin Messages** – Margin Messages are user-defined graphics that print periodically on the right, left, alternating or both sides of the receipt.
  - c. **Watermarks** – Watermarks are user-defined graphics that print down the center of the receipt. They reside in the background of the receipt data in a shaded (dithered) mode so that it appears behind the text of the receipt.

## Top Logo

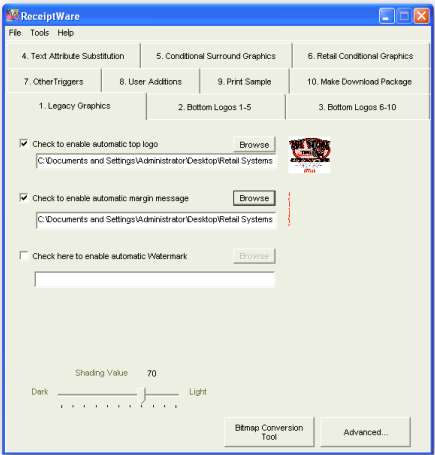
1. Proceed to the section at the top of the **Legacy Graphics** tab entitled "Check to enable automatic top logo" Click on the check box, and a text box and button will appear to let you specify a logo or LGO file. You can either enter the full path name of the LGO file, or click on the **Browse** button to the right of the text box to specify it through Windows® Explorer.
2. Click on the **Browse** button and select **TPG Store Logo. lgo**. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.



8. If you wish to adjust the spacing, or logo print speed of the Top Logo, click on the **Advanced** button located on the bottom right-hand side of your screen. Detailed instructions on using the advanced features are provided in the ReceiptWare User Guide.

# Margin Message

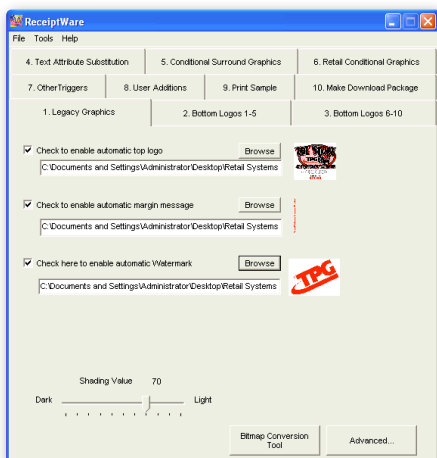
1. Proceed to the section in the middle of the **Legacy Graphics** tab entitled “Check here to enable automatic margin message” Click on the check box, and a text box and button will appear to let you specify a logo or LGO file. You can either enter the full pathname of the LGO file, or click on the button to the right of the text box to specify it through Windows® Explorer.
2. Click on the browse button to the right of the text box and select **TPG Store Mmess.lgo**. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.



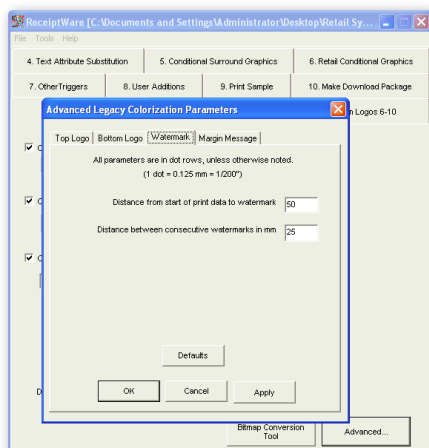
3. If you wish to adjust the spacing and justification of the margin message, click on the **Advanced** button located on the bottom right-hand side of your screen. Detailed instructions on using the advanced features are provided in the User Guide.

# Watermark

1. Proceed to the section at the top of the **Legacy Graphics** tab entitled *“Check to enable automatic Watermark”* Click on the check box, and a text box and button will appear to let you specify a logo or LGO file. You can either enter the full pathname of the LGO file, or click on the button to the right of the text box to specify it through Windows® Explorer.



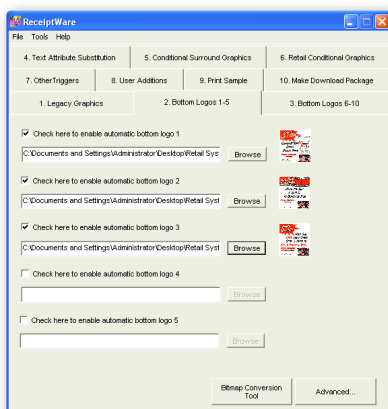
2. Click on the browse button to the right of the text box and select **TPG Store WMark.lgo**. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.
3. If you wish to adjust the spacing of the Watermark, click on the **Advanced** button located on the bottom right-hand side of your screen. Detailed instructions on using the advanced features are provided in the User Guide.



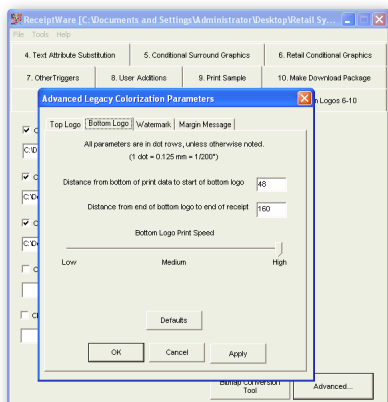
4. Once you have chosen to include a Watermark on your receipt, you may want to change its shading to make it either lighter or darker. To do this, adjust the shading scale located at the bottom of the screen. Move the slider to the right of the scale to make the watermark lighter or to the left to make it darker.
5. With the inclusion of the Watermark graphic, we conclude the **Legacy Graphics** portion of this tutorial. Now, we'll walk through the **Bottom Logos** feature of ReceiptWare.

# Bottom Logos

ReceiptWare allows you to specify up to 10 bottom logos. Click on the Bottom Logos 1-5 or Bottom Logo 6-10 tab. Before we specify the **Bottom Logos** that we wish to include, we need to convert our bitmap files to LGO files for every **Bottom Logo** that we intend on including. This needs to be done as ReceiptWare will only work with LGO files.



1. Proceed to the section at the top of the **Bottom Logos 1-5** tab. Click on the check box toggle, and a text box and button will appear to let you specify a logo or LGO file. You can either enter the full pathname of the LGO file, or click on the button to the right of the text box to specify it through Windows® Explorer.
2. Click on the Browse button to the right of the text box and select **Chip Coup.lgo**. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.
3. If you wish to adjust the spacing of the bottom logo, click on the **Advanced** button located at the bottom right-hand side of your screen. Detailed instructions on using the advanced features are provided in the User Guide.



4. After including the Bottom Logo file, we conclude the Bottom Logo portion of this tutorial. Now, we'll walk through the **Text Attribute Substitution** feature of ReceiptWare.

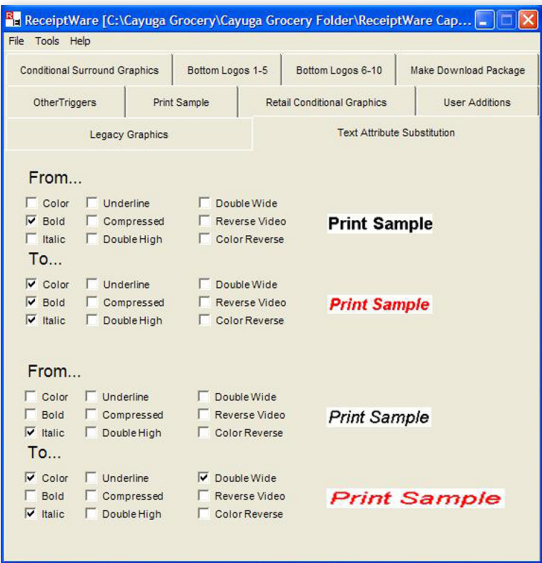
# Text Attribute Substitution

1. To access this feature, click on the **Text Attribute Substitution** tab directly above the **Legacy Graphics** tab.
2. Before we move on, let's take a look at the sample receipt and decide which text attributes we will change. You will notice that there are two attributes that can be substituted, bold and italics.
3. First, we will work to change the bold attribute so that it will be printed color and underlined. In the first **From** section located at the top of the screen, check the box next to **Bold**. A sample of your choice is displayed on the right-hand side of the screen.
4. Check the boxes next to **Color** and **Underlined** in the first **To** section located at the top of the screen. A sample of your choice(s) is displayed on the right-hand side of the screen.
5. Change the italic attribute so that it will be printed as color and double high. In the second **From** section located at the bottom of the screen, check the box next to **Italic**. A sample of your choice is displayed on the right-hand side of the screen.

<b>Before</b>			
<p>The TPG Store                  25 Tri-State International, Suite 200                  Lincolnshire, IL 60069                  Tel: 847 383 7900 Fax: 847 383 7949                  Sales Toll Free: 800 732 8950                  Mr. Smith is your store Director</p>			
<b><u>Dry Goods</u></b>	Orig Price	Loyalty Price	<b>Bold, Underlined Text</b>
3 Tex-Mex Salsa	\$7.35	\$6.30	
2 Tostitos Lime Chips	\$3.60		
2 Cans Alamo Refried Beans	\$2.40	\$1.98	
2 Cans Green Chiles	\$2.20	\$1.90	
1 Gringos Tortillas	\$1.54	\$1.89	
1 Johns Lava Sauce	\$2.00		
<b><u>Dairy</u></b>			
1 Cayuga Brand Sour Cream	\$1.54	\$1.20	
2 Sargento Shredded Cheese	\$4.98		
2 Knorr's Fiesta Dip	\$4.30		
1 Gal. Milk	\$2.30		
<b><u>Beverages</u></b>			
2 Luisa Cortes Mohito Mix	\$6.00	\$3.50	
2 St. Lucia Margarita Mix	\$7.50		
1 Turkey Hill Iced Tea	\$2.50	\$1.95	
1 6-pack Dos Equis	\$6.99		
<b><u>Produce</u></b>			
1 Lemon	\$0.69		
1 Key Lime	\$0.80		
1 Habenero Pepper	\$0.45		
1 Romanine Lettuce	\$0.89		
<b><u>Health &amp; Beauty</u></b>			
1 Roloids Xtra Relief	\$1.55		
<b><u>Sundries</u></b>			
1 pack Dixie Paper Plates	\$2.25		
1 pack Cayuga Brand Knives	\$3.00	\$2.50	
1 pack Cayuga Brand Forks	\$3.00	\$2.50	
1 pack Cayuga Brand Spoons	\$3.00	\$2.50	
1 pack Napkins	\$3.25		
	<i>Sub Total</i>	\$67.42	
	<i>Tax</i>	\$5.39	
	<i>Total</i>	\$72.81	
Credit Authorization			
Shoppers Club Member			
*****			
*** Loyalty Savings \$7.01 ***			
*****			
!!!It is our pleasure to serve you!!!			

Italic Text

6. Check the boxes next to **Color** and **Double High** in the second **To** section located at the bottom of the screen. A sample of your choice(s) is displayed on the right-hand side of the screen.
7. After completing both substitutions, we are ready to move on to the next tool **Conditional Surround Graphics**.



**After**

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Transaction Printer Group - Headquarters  
25 Tri-State International, Suite 200, Lincolnshire, IL 60069  
Tel: 847 383 7950 Fax: 847 383 7949

Sales Toll Free:  
**800 732 8950**

**Dry Goods**

	Orig Price	Loyalty Price
3 Tex-Mex Salsa	\$7.35	\$6.30
2 Tostitos Lime Chips	\$3.60	
2 Cans Alamo Refried Beans	\$2.40	\$1.98
2 Cans Green Chiles	\$2.20	\$1.90
1 Gringos Tortillas	\$1.89	\$1.54
1 Johns Lava Sauce	\$2.00	

**Dairy**

1 Cayuga Brand Sour Cream	\$1.54	\$1.20
2 Sargento Shredded Cheese	\$4.98	
2 Knorr's Fiesta Dip	\$4.30	
1 Gal. Milk	\$2.30	

**Beverages**

2 Luisa Cortes Mohito Mix	\$6.00	\$3.50
2 St. Lucia Margarita Mix	\$7.50	
1 Turkey Hill Iced Tea	\$2.50	\$1.95
1 6-pack Dos Equis	\$6.99	

**Produce**

1 Lemon	\$0.69	
1 Key Lime	\$0.80	
1 Habenero Pepper	\$0.45	
1 Romaine Lettuce	\$0.89	

**Health & Beauty**

1 Roloids Xtra Relief	\$1.55	
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**Sundries**

1 pack Dixie Paper Plates	\$2.25	
1 pack Cayuga Brand Knives	\$3.00	\$2.50
1 pack Cayuga Brand Forks	\$3.00	\$2.50
1 pack Cayuga Brand Spoons	\$3.00	\$2.50
1 pack Napkins	\$3.25	

**Sub Total** \$67.42  
**Tax** \$5.39  
**Total** \$72.81

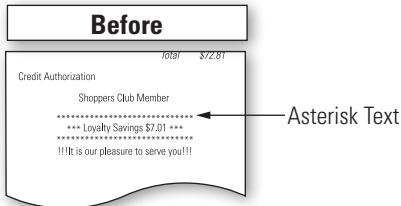
Color, Bold, Double High

Color, Bold, Doublewide Underlined Text

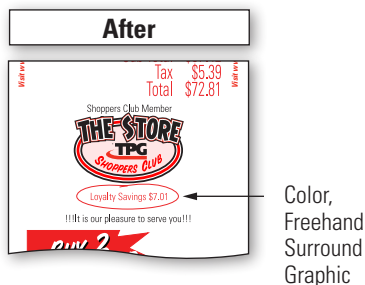
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# Conditional Surround Graphic

1. This tool is accessed by clicking on the **Conditional Surround Graphics** tab to the right of the **Text Attribute Substitution** tab.
2. As we did in previous steps, let's take a look at the sample receipt and decide what we would like to do.

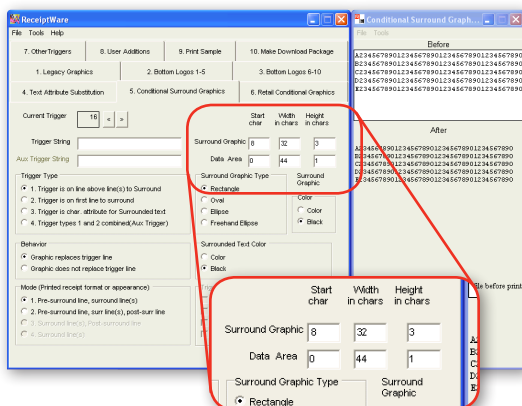


3. For this demonstration, let's surround "**Loyalty Savings \$7.01**" and trigger off of "\*\*\*\*\*".
  - a. The first step is to assign the trigger number by using the toggle buttons (< or >) located next to **Current Triggers**, which is on the top left-hand side of your main screen. Let's use the default number, which is 16.
  - b. Identify your trigger string, and type it into the **Trigger String** box. For this demo, we will be triggering off of "\*\*\*\*\*".
  - c. Choose the shape that you want to be represented as the **Surround Graphic** from the **Surround Graphic** box. For this demonstration, click on the button next to **Freehand Ellipse**.
  - d. Choose the color of the freehand ellipse or **Surround Graphic** that will be surrounding **Loyalty Savings \$7.01**. Click on the **Color** button in the section labeled **Surround Graphic Color**.
  - e. Now that you have determined the **Surround Graphic** shape and color, you need to determine its size. Sizing for both the **Surround Graphic** and the **Data Surround Area** is done in the following area:





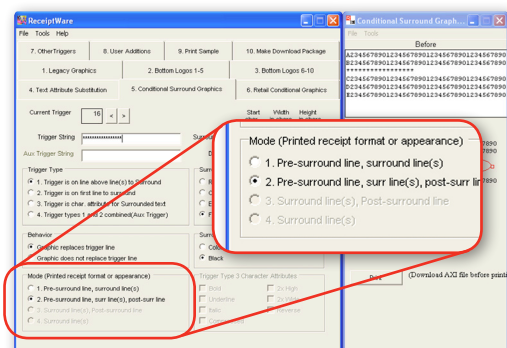
4. Change all the parameters for the **Surround Graphic** row. Please note that as you alter the values in these boxes, the changes will be made dynamically in the **Conditional Surround Graphic** Sample window. The parameters are as follows:



- a. **Start char** – This parameter, measured in character columns, specifies where the left edge of the **Surround Graphic** will print relative to the left edge of the receipt. The default value for this parameter is 0 character columns. For this demo, enter a value of 8.
- b. **Width in chars** – This parameter, also measured in character columns, determines the width of the **Surround Graphic**. The default value for this parameter is 1. For this demo, enter a value of 32.
- c. **Height in chars** – This parameter, measured in characters or lines, represents the vertical height of the **Surround Graphic**. The default value for this parameter is 3. For this demo, leave the value at 3.

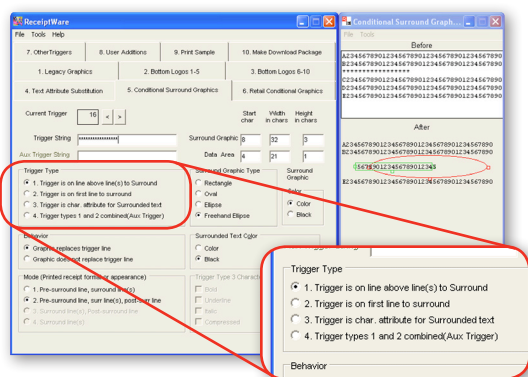
**Note:** The maximum width is 44 characters.

5. After identifying the specifics of the **Surround Graphic**, identify where the data within your shape will be positioned on the receipt. To do this, you must change the parameters for the **Data Surround Area** row, which is located directly underneath the **Surround Graphic** row. Please note that as you alter the values within these boxes, the changes will be made dynamically in the **Conditional Surround Graphic Sample** window. The parameters are as follows:
  - a. **Start char** – This parameter, measured in character columns, represents the position of the first character of text to be surrounded in relation to the left edge of the receipt. The default value for this parameter is 0 character columns. For this demo, leave it at 0.
  - b. **Width in chars** – This parameter, also measured in character columns, determines the width text that you wish to surround. The default value for this parameter is 1. For this demo, enter in a value of 44.
  - c. **Height in chars** – This parameter, measured in characters or lines, represents the vertical height of the text to be surrounded. The default value for this parameter is 1. For this demo, leave the value at 1.
7. Identify your **Mode**. Choosing a mode will determine how the **Surround Graphic** shape is positioned with respect to the lines above and below the shape. Options include:



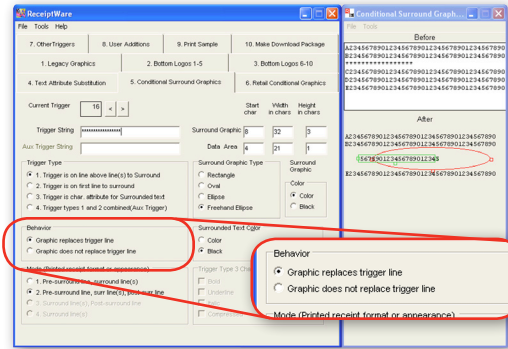
- a. **Mode 1:** *Pre-surround line, surround line(s)* – Circles the data surround area line and the line immediately above that data.
- b. **Mode 2:** *Pre-surround line, surround line(s), Post circle line* – Circles the data surround area line, the line immediately above that data, and the line immediately below the data.
- c. **Mode 3:** *Surround line(s), post surr line* – Circles the data surround area line and the line immediately below that data.
- d. **Mode 4:** *Surround line* – Circles the data surround area line only and provides a blank line above and below that data enabling you to add a space to your receipt above and below the data.

iv. **Trigger types 1 and 2 combined (AUX Trigger)**  
– Instructs the printer that the trigger string is located one line above the line to be circled as well as on the first line to be circled. Combines trigger types 1 and 2. When this trigger type is selected, a box will appear entitled **Auxiliary Trigger String**. Within this box, you can enter an auxiliary trigger if you wish.

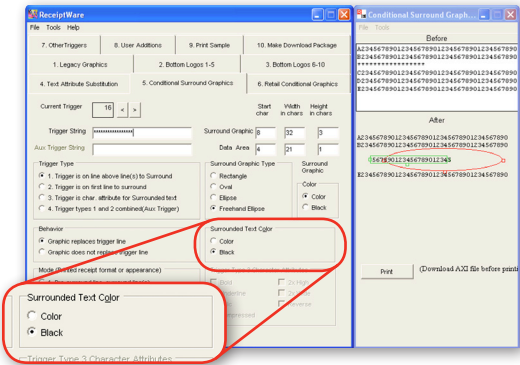


b. **Graphic does not replace trigger line – Surround**  
Graphic does not replace the line containing the text trigger

For this demo, we will choose **Graphic Replaces trigger line**.



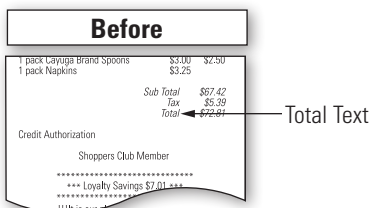
10. Choose whether or not you want to have the surrounded text contained within the **Data Surround Area** printed in color or in black. For this demo, select the **Black** radio button located in the **Surround Text Color** section.



Now that we have completed the **Conditional Surround Graphics** section, let's move to the **(Retail or Financial) Conditional Graphics** feature of the software.

# Retail Conditional Graphics

1. This feature is accessed by clicking on the **Retail Conditional Graphics** tab to the right of the **Text Attribute Substitution** tab. (See page 25 for Financial Conditional Graphics.)
2. Let's take another look at the sample receipt and decide where we would like to insert a conditional graphic.

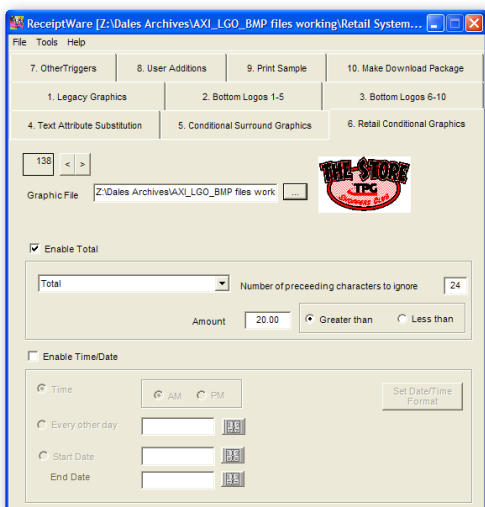


3. In our example, we'll trigger a loyalty token off of **Total**.

Before we specify the **Conditional Graphic** that will print based on the trigger string, we need to convert our bitmap file into an LGO file. (See Bitmap Conversion Tool section on page 3.)

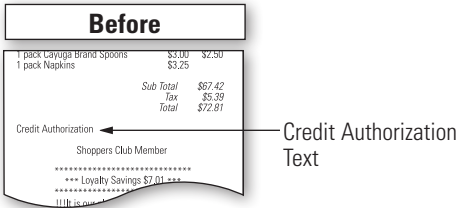
1. Select a trigger number for your **Conditional Graphic**. For this demonstration, we will leave the trigger number at its default setting of **138**.
2. Specify a trigger that will cause the **Conditional Graphic** to print every time the **Total** amount is greater than \$20.00 on the receipt.
3. Specify the graphic that we want printed based upon the associated trigger. Click on the ... button to the right of the graphic file box and find **TPG Store Shoppers Club.lgo** through Windows® Explorer, and click on the **Open** button. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.
4. After selecting the graphic, we must now specify the number of preceeding characters to ignore. For this example we will specify 24 characters.

Now that we have completed the **Conditional Graphics** section let's move to the **Other Triggers** features of the software.

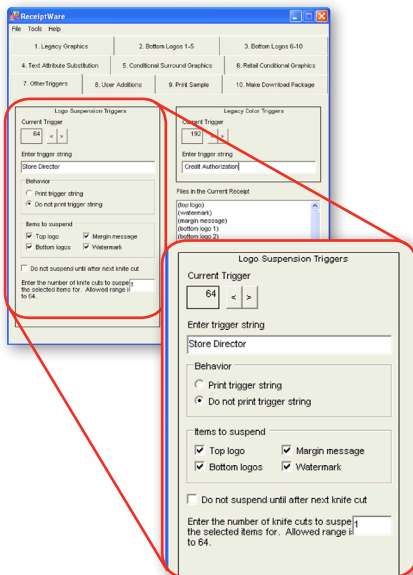


# Other Triggers

1. The **Logo Suspension Triggers** and **Legacy Color Triggers** features can be accessed by clicking on the **Other Triggers** tab, which is directly above the **Legacy Graphics** tab.
2. As recommend, let's look at a receipt so that we can identify our trigger.



3. Because the receipt displayed above involved a credit transaction, the term **Credit Authorization** was printed on the receipt. We also know that a credit slip will be printed subsequently, and that we do not want to print any graphics on this receipt.



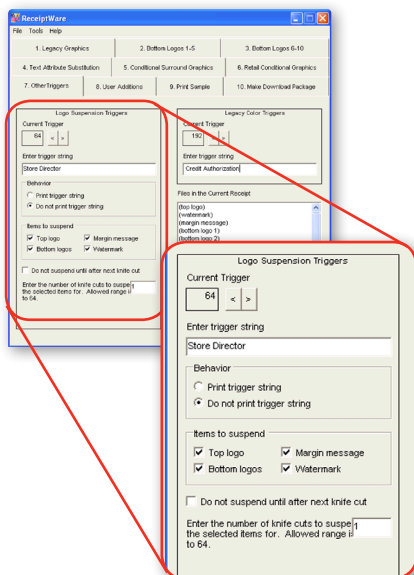
4. Now, specify a trigger string that will cause the **Legacy Graphics** to become suspended every time the trigger string appears on the receipt. To do this type **Credit Authorization** into the field labeled **Enter trigger string**.

**Note:** Trigger strings are case sensitive.

5. Identify the **Behavior** of your trigger string. Choosing its **Behavior** will determine if the trigger string will be printed on the receipt. Options include:
  - a. **Print trigger string** – Instructs the printer to print the trigger string.
  - b. **Do not print the trigger string** – Instructs the printer not to print the trigger string.

For this demo, choose the option **Print trigger string**.

6. After you have chosen how the trigger string will behave, the next step is to choose the legacy graphic(s) that you wish to pause. To do this, check the boxes next to the appropriate graphic within the section called **Items to suspend**. Options include:
  - a. **Top logo**
  - b. **Bottom logo**
  - c. **Margin message**
  - d. **Watermark**



Because we want to suspend all of the **Legacy Graphics** and **Bottom Logos**, check the box next to each graphic type in the section.

7. Choose when the graphics are suspended. By default, the printer will immediately turn off the legacy graphic(s) that you specified in the step above when it sees the associated trigger string(s). However, if you wish to keep printing these graphics until the next receipt is about to be printed, check the box next to option **Do not suspend until after next knife cut**. Choosing this option will instruct the printer to keep printing all of the legacy graphics until the next knife cut or until the current receipt is finished printing.

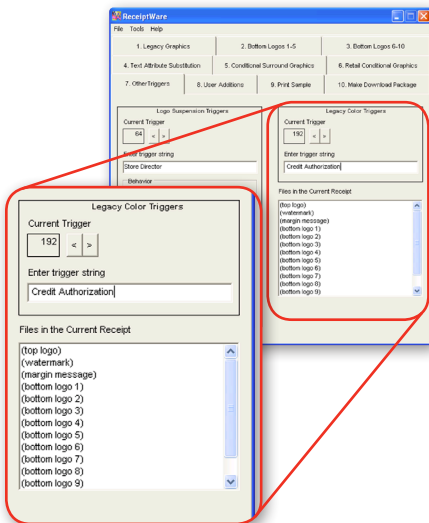
Because we want to continue to print the **Legacy Graphics** until the end of the current receipt, check this box.

8. Define how long the printer should suspend the particular Legacy Graphic(s) that we specified in the **Legacy Graphics** section. This parameter is measured in terms of the number of knife cuts. Because we want to only suspend the graphics for only one receipt, enter "1" into the field next to the option called **Enter the number of knife cuts to suspend the selected items for**.

Let's move across the screen and look at another tool, **Legacy Color Triggers**.

The **Legacy Color Triggers** and features can be accessed by clicking on the **Other Triggers** tab, which is directly above the **Legacy Graphics** tab.

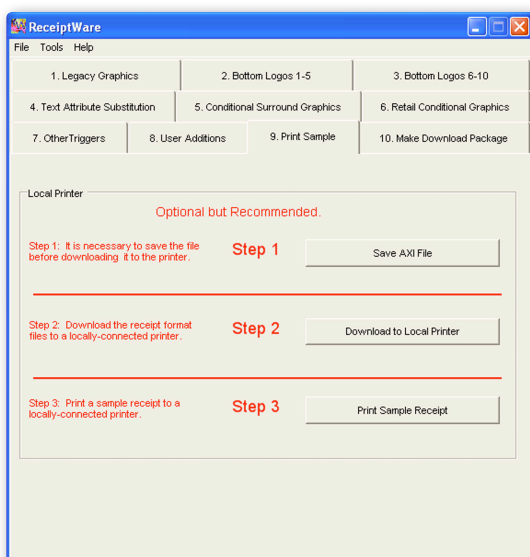
1. As recommended, let's look at a receipt so that we can identify our trigger.
2. Let's say that every time a receipt is printed, we want to highlight the **Store Director** so that it is easier for the customer to see.
3. To make this your trigger, type **Store Director** into the field labeled **Enter trigger string**.
4. Now that we have completed the **Other Triggers** section of ReceiptWare, we are ready to save and preview our Receipt Format (AXI) file.





# Print Sample

1. Click on the **Print Sample** tab.



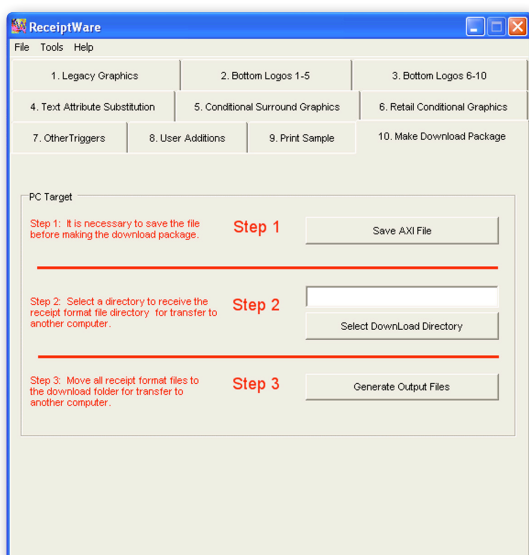
2. Click on the **Save AXI** button. A window called **Save a Receipt Format File** will appear. Within this window, name your file and specify where you would like to save it on your directory. For this demo, let's name it **TPG Store.axi** and save it in **C://Program Files>TPG ReceiptWare**.
3. Assuming that you have a POS printer attached to your PC and a copy of the **POS Download Utility** installed, click on the **Download to local Printer** button. The **POS Download Utility** will execute. You can follow the progress by reading the messages in the status window. When the download is complete the **POS Download Utility** will close. If there was no error downloading the file to the printer, you will receive no further messages. If there was an error, you will see a message box that indicates the location of the status file that provides further information on the error.
4. Click on the **Print Sample Receipt** button located at the bottom of the screen. A sample printout will be generated.
5. Assuming you do not want to change any settings or graphics, we move on to the final step, **Make Download Package**.



To print a sample, a TPG printer must first be connected to and communicating with the PC on which you are operating. Please make sure that your printer's communication settings are configured to operate with ReceiptWare's POS Download Utility. We also recommend optimizing your printer's logo storage space by reallocating the printer's memory. Please consult the relative printer User Guide to learn how to change a printer's communication and memory configurations.

# Make Download Package

1. Click on the **Make Download Package** tab.



2. Click on the **Save AXI File** button located at the top of your screen.
3. Select a directory where the download package will be saved. To do this, click on the **Select Download Directory** button in the middle of your screen. This will prompt the window **Select A Directory for Logos and AXI File** to appear. Using this window, select **C:\Program Files\TPG ReceiptWare**. Click on the **Save** button at the bottom of the **Select A Directory for Logos and AXI File** window.
4. Click on the button **Generate Output Files**. If there were no errors creating a download package, you will receive the following message: You can now move all the files located in: **YOUR SPECIFIED DIRECTORY/THE NAME OF YOUR AXI FILE to another PC.**

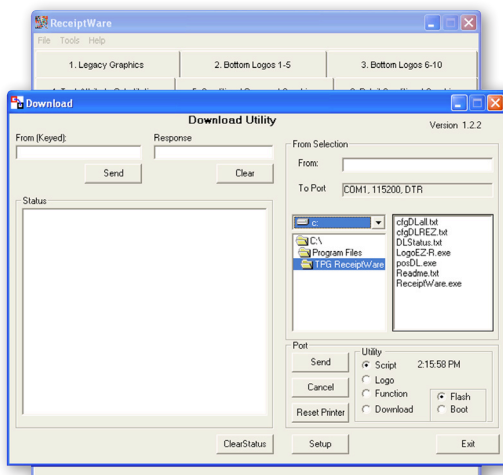


When moving a download package, make sure that the AXI and LGO files remain in the same folder. Moving, deleting or altering file names will effect the AXI files that reference LGO graphics.

# Receipt Demonstration

With the TPG Store.axi file loaded on your printer, let's take a look at how a real receipt would look. In the ReceiptWare Tutorial Folder of the CD, you will find a text (.TXT) file that was constructed to resemble a receipt. When this file is sent to the printer via POS Download Utility, it will mimic the data stream that is transmitted from POS terminals at the end of a standard transaction. Using this receipt text file and download utility, we will see the triggers and graphics that were specified in this tutorial working in real time.

1. Open the POS utility by clicking on **Tools>Download Utility**.

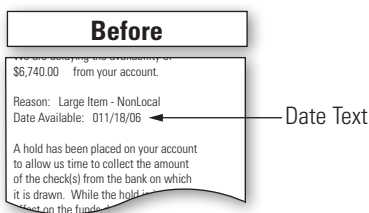


2. Before proceeding, we need to make sure that the download utility and the printer which is attached to your computer have the same communication settings. To adjust the settings, please refer to the Download Utility documentation that is provided on the CD.
3. Through the Explorer Window, find your CD drive and select **ReceiptWare Tutorial Folder>TPG Store Receipt.txt**.
4. Click on the **Send** button located in the **Port** section of the window.

# Financial Conditional Graphics

This section will familiarize you with the Financial Conditional Graphics. The Financial version of ReceiptWare is slightly different than for the Retail version.

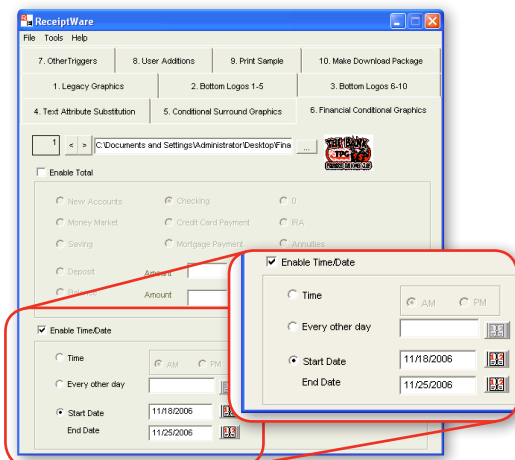
1. This feature is accessed by clicking on the **Financial Conditional Graphics** tab to the right of the **Text Attribute Substitution** tab. (See page 18 for Retail Conditional Graphics.)
2. Let's take another look at the sample receipt and decide where we would like to insert a Conditional Graphic.



3. In our example, we'll trigger a loyalty token off of **Date 11/18/06**.

Before we specify the **Financial Conditional Graphic** that will print based on the trigger string, we need to convert our bitmap file into an LGO file. (See Bitmap Conversion Tool section on page 3.)

1. Select a trigger number for your **Financial Conditional Graphic**. For this demonstration, we will leave the trigger number at its default setting of **1**.
2. Specify a trigger that will cause the **Financial Conditional Graphic** to print every time the date **11/18/06 thru 11/25/06** is present on the receipt.



3. Specify the graphic that we want printed based upon the associated trigger. Click on the ... button to the right of the graphic file box and find **TPG Bank Pref Club.lgo** through Windows® Explorer, and click on the **Open** button. Once you have selected the LGO file, a smaller version of it appears on the screen that looks different than when it is actually printed.



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**EXCEPTION HOLD NOTICE**

We are delaying the availability of  
\$6,740.00 from your account.

Reason: Large Item - NonLocal

**Date Available: 01/18/06**



A hold has been placed on your account to allow us time to collect the amount of the check(s) from the bank on which it is drawn. While the hold is in effect on the funds deposited, you may not withdraw them. Please remember that after we have made the funds available to you, you are still responsible for checks you deposit that are returned unpaid.

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607 274 2452  
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Now we have completed the **Financial Conditional Graphics** section



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2 Cans Adama Refried Beans	\$2.40	\$1.98
2 Cans Green Chiles	\$2.20	\$1.90
1 Gringos Tortillas	\$1.89	\$1.54
1 Johns Lava Sauce	\$2.00	
<b>Dairy</b>		
1 Cayuga Brand Sour Cream	\$1.54	\$1.20
2 Sargento Shredded Cheese	\$4.98	
2 Knorr Fiesta Dip	\$4.30	
1 Gal. Milk	\$2.30	
<b>Beverages</b>		
2 Luisa Cortes Mohito Mix	\$6.00	\$3.50
2 St. Lucia Margarita Mix	\$7.50	
1 Turkey Hill Iced Tea	\$2.50	\$1.95
1 6-pack Dos Equis	\$6.99	
<b>Produce</b>		
1 Lemon	\$0.69	
1 Key Lime	\$0.80	
1 Habenero Pepper	\$0.45	
1 Romaine Lettuce	\$0.89	
<b>Health &amp; Beauty</b>		
1 Roloids Xtra Relief	\$1.55	
<b>Sundries</b>		
1 pack Dixie Paper Plates	\$2.25	
1 pack Cayuga Brand Knives	\$3.00	\$2.50
1 pack Cayuga Brand Forks	\$3.00	\$2.50
1 pack Cayuga Brand Spoons	\$3.00	\$2.50
1 pack Napkins	\$3.25	
<b>Sub Total</b>	<b>\$67.42</b>	
<b>Tax</b>	<b>\$5.39</b>	
<b>Total</b>	<b>\$72.81</b>	

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Expires 12/31/07  
Not valid with any other offer

TERMINAL I.D.  
MERCHANT#:

MASTERCARD  
9836  
SALE  
BATCH: 000107  
DATE: APRIL 10, 03  
RRN: 0000000000

TOTAL

MERCHANT COPY

81440370  
417000050370001

EXP: 01/04  
INVOICE: 02/28/27  
TIME: 18:46  
AUTH NO: 043450

\$72.81

X  
I AGREE TO PAY THE ABOVE TOTAL AMOUNT  
ACCORDING TO THE CARD ISSUER AGREEMENT  
(MERCHANT AGREEMENT IF CREDIT VOUCHER)

This concludes the tutorial for ReceiptWare. We hope that it has proven to be beneficial. However, if you have any questions regarding what is contained within this document, please consult the User Guide or contact our Help Desk at:

**Phone:**      ReceiptWare Support/Help Desk  
                    Phone: 877 209 0156

**General:**    CognitiveTPG, LLC  
                    <http://www.CognitiveTPG.com>  
                    <http://www.ReceiptWare.com>

# Assignment

Your assignment is to build the receipt as described within and print the sample receipt. Next, you can either scan the receipt sample and email it to:

Email address: \_\_\_\_\_

Or you can send the printed sample to via US Mail to:

Mailing address: \_\_\_\_\_

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# Network Installation Guidelines

In network installations, TPG's ReceiptWare software typically runs on a single computer, located in a central location. ReceiptWare creates Receipt Formats and stores them as AXI files. These files must be transferred through the network and, ultimately, stored in the memory of every receipt printer in order to produce receipt marketing graphics. This allows every receipt to become a marketing tool without revising the POS application.

Every ReceiptWare disk also includes a copy of PCLoader™ utility. PCLoader's function is to download the receipt format file information to a receipt printer. A copy of PCLoader must reside on every lane PC that has an attached receipt printer.

**The optimum network installation and operating procedure will vary depending on the POS application. This document highlights items to consider for the various possible methods of transferring the format file information to the printers.**

1. **Location of Graphics Files.** The AXI file contains two pieces of information: the definition of the receipt format and the names of the graphic files included in the definition of the receipt format. When creating AXI files, ReceiptWare offers two methods to identify and locate graphics files:
  - a. **Absolute Address.** With absolute addressing, the AXI file contains the complete path to the each of the graphics files. To use this method all store directory structures must match the directory structure on the system used to create the AXI file. If graphics files are located at c:\my logo files on the corporate server, they must be located at the same directory on each of the store servers.
  - b. **Relative Address.** When using relative addressing, the AXI file contains the graphics file names without any path information. To use relative addressing, the last step in the creation of the receipt format in ReceiptWare must be 'Create the Download Package'. This function places the AXI file and all graphics files in the same directory. The contents of the directory are moved together from the corporate server to the appropriate location on the store systems.

**Recommendation:** Use relative addressing.

2. **PCLoader Configuration.** The PCLoader can be configured to look for AXI files at the lane PC or at a central location.
  - a. **Lane PC.** If the PCLoader is configured to look for the AXI files at the Lane PC, then the AXI and graphics files must be moved from the central directory on the store server to a directory on each of the Lane PCs.
  - b. **Central Location.** If the PCLoader is configured to look for the AXI files at a central directory on the store server, then the store network and server must be running when the PCLoader executes.

**Recommendation:** Configure PCLoader for AXI and Graphics files at the lane PCs.



3. **AXI and Graphics File Distribution.** To move the receipt format information to the appropriate location for download by the PCLoader, a series of batch files can be written. The first batch file copies the information from the corporate server to each of the store servers, and the second batch file copies the information from the store server to the lane PCs.
4. **PCLoader Operation.** After the receipt format information has been moved to the lane PCs there are several options for launching the PCLoader. A few methods are listed here:

Link to End-of-Day Process

Link to Start-of-Day Process

Link to Maintenance Mode

Link to hooks in Retail Application

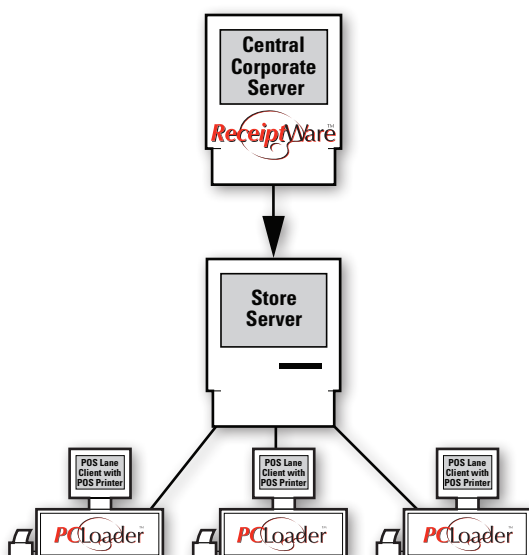
Schedule task with Win Schedule Task

Launch remotely using PCEXEC, PCANYWHERE, etc.

Listed below are samples illustrating the possible methods for launching PCLoader:

- a. Batch file to copy AXI file from corporate server to store servers.  
`Copy\\CorpServer\AXIDir\Store1Server\AXIDir`  
`Copy\\CorpServer\AXIDir\Store2Server\AXIDir`  
`Copy\\CorpServer\AXIDir\Store3Server\AXIDir`
- b. Batch file to copy AXI file from store server to lane PCs.  
`Copy\\Store1Server\AXIDir\Lane1PC\AXIDir`  
`Copy\\Store1Server\AXIDir\Lane2PC\AXIDir`  
`Copy\\Store1Server\AXIDir\Lane3PC\AXIDir`
- c. PCLoader configuration for Lane PC in auto mode  
 MODE, AUTO  
 PATH, c:\AXIDir
- d. Batch file to launch PCLoader from Schedule Task on Win 2000 PC.  
 REM complete path of application to run  
 "c:\program files\TPG\PCLoader\posdl.exe"

**Note:** Actual names and contents of batch files are dependent on the specific directory structure and naming conventions of the customer's system.



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