SAM4s ER-900 Series

PC Utility
User's Manual



Version 1.2

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Revision 2.0 - April 1, 2005

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Introduction

About the ER-900 PC Utility

The ER-900 Series PC Utility provides basic PC communication functions for SAM4s ER-900 series ECRs: ER-920, ER-940, ER-925, and ER-945. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

Note: The ER-900 Series PC Utility supports only direct onsite connection to the ECR. Modem communications are not supported.

ER-900 PC Utility Features

- Support Multiple Stores
- Save and Load ECR programs
- Convert & Download Logo Bitmaps
- Edit ECR programs

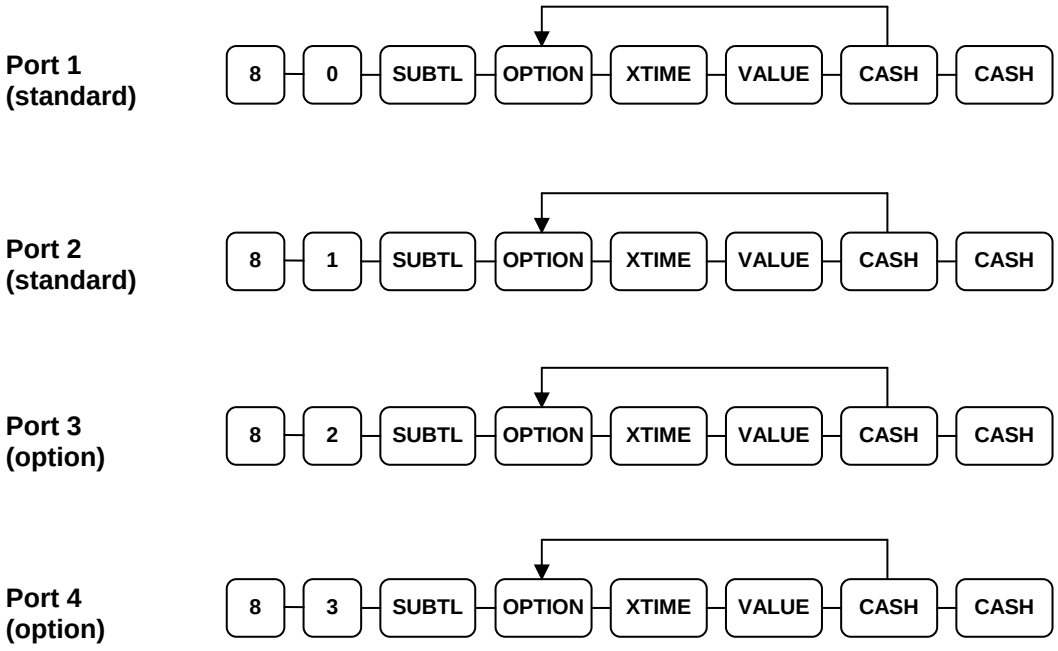
Note: The ER-900 Series PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.

Getting Started

Setting the ER-900 RS-232C Ports

You must define the device(s) attached to the RS-232C communications ports, and the options for the device(s).

1. Turn the control lock to the **S** position.
2. Enter **8 0** (enter **8 1** to program the second port; **8 2** for the optional third port; and **8 3** for the optional fourth port) and press the **SUBTL** key.
3. Enter **5** and press the **X/TIME** key. (The complete RS-232C option chart follows for your reference.)
4. Enter **1** (the value for PC) and press the **CASH** key.
5. Repeat from step 2 for additional options you wish to program.
6. Press **CASH** to exit the program.



RS-232 Option Chart

Address	Option	Value	Selection
1	Baud Rate	0	9600 BPS
		1	1200 BPS
		2	2400 BPS
		3	4800 BPS
		4	19200 BPS
		5	38,200 BPS
		6	57,600 BPS
		7	115,200 BPS
2	Parity	0	NONE
		1	ODD
		2	EVEN
3	Data Bits	0	8 BITS
		1	7 ITS
4	Stop Bits	0	1 BIT
		1	2 BIT
5	Device Function	0	NONE
		1	PC
		2	SCALE
		3	Remote Journal (TVS Interface)
		4	Remote Printer
		5	Liquor Dispenser
		6	Scanner
		7	COIN
		8	EFT Device
		9	Pole Display
		10	PDC
6	Initial Feeding Line KP	0 - 20	
7	End Feeding Line KP	0 - 20	
8	Initial Feeding Line Slip	0 - 20	
9	Print Line On Guest Check	0 - 50	
10	Scale Type	0	NCI
		1	CAS
		2	CAS Ounce

Address	Option	Value	Selection
11	Printer Type	**0**	NONE
		1	SAM4s ELLIX10
		2	SAM4s ELLIX20
		3	SRP-270/270, SNBC M280
		4	SRP-350, SNBC R580/2002NP/880NP
		5	CITIZEN 3550
		6	CITIZEN 810
		7	CITIZEN 230
		8	EPSON TM T88-2
		9	EPSON U200
		10	EPSON U295
		11	EPSON U300
		12	EPSON U325
		13	EPSON U375
		14	STAR SP-200
		15	STAR SP-298
		16	STAR SP-300
		17	STAR TSP-200
12	Display Type	**0**	EPSON
		1	ICD

Preparing the ER-900 for Communications

The register must be ready for communications:

- Connect the register directly to the PC with the appropriate cable. See "Cabling Diagrams" on page 39.
- The register power must be on.
- A clerk must be signed on.
- The register cannot be inside of a transaction.
- The key lock can be in any position other than OFF.

Installing the Utility

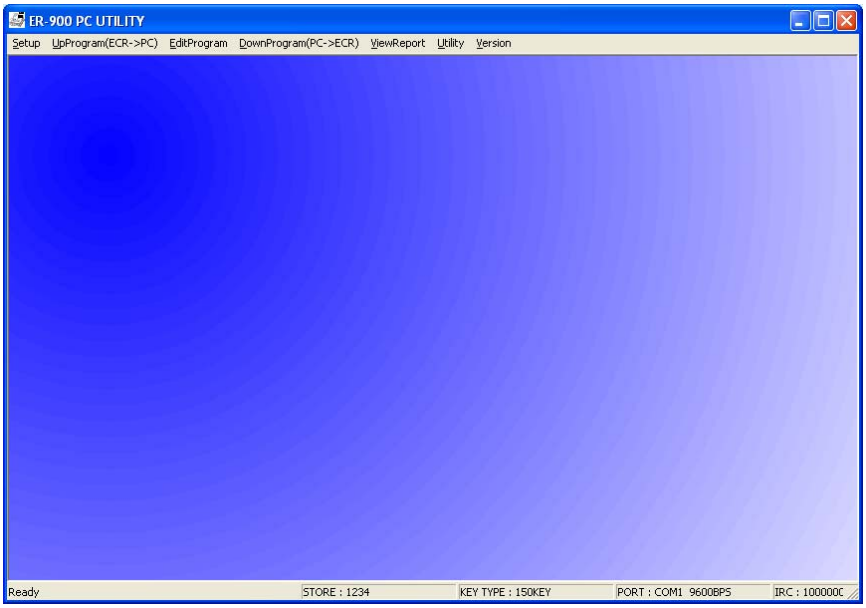
1. From Windows Explorer, locate the file: setup900.exe. Double click the file to open the installation dialog box.
2. Follow the installation wizard instructions to complete the installation.

Starting the PC Utility

1. Choose **Start, Programs**, **SHC PC Utility** and then **900PC.** The Store Setting dialog box displays.

   If you are starting the utility for the first time, you will be prompted to first add a store.

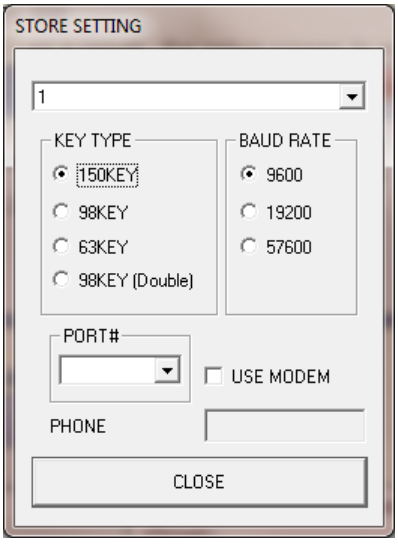
2. Select the store you wish to open and click the **Close** button. The **ER-900 Series PC Utility** window opens.



Store Settings

There is no limit to the number of stores. When you start the utility for the first time, enter the store name and select the model, PC port and baud rate.

The Store Setting Dialog Box

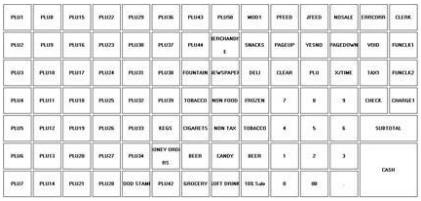


Key Type

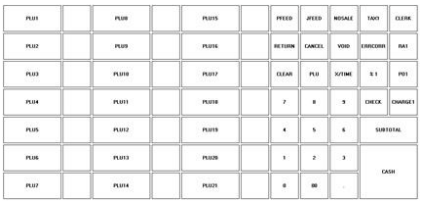
You must select the correct keyboard that corresponds with the register you are using:

- Note: The 63-key keyboard is not used.
- Select the 150-key flat keyboard for the ER-920 or ER-940.
- Select the appropriate 98-key keyboard for the ER-925 or ER-945.

98-Key



98-Key (Double)



Selecting a Store

- Select the working store when you start the utility.
- To change the working store after the utility has been started, choose **Setup Store** from the **Setup** menu and select a different store from the drop-down list box.

Adding a Store

- Choose **Add Store** from the **Setup** menu. At the **Add Store** dialog, enter the store name and click **OK**. At the **Store Setting** dialog, select the model, keyboard type, PC port, baud rate and click the **Close** button.

Removing a Store

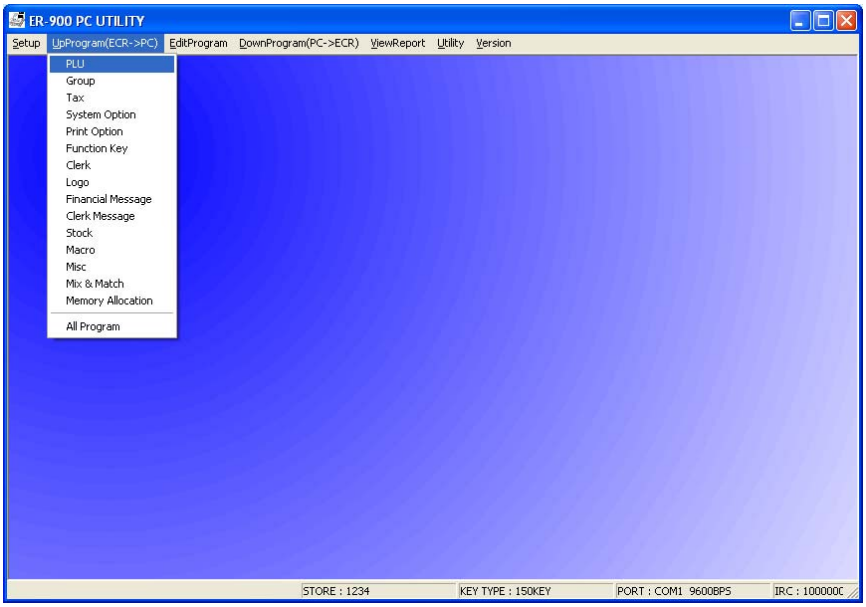
- Choose **Remove Store** from the **Setup** menu. At the **Remove Store** dialog, select the store name to remove and click **OK**.

Upload/Download Programs

UpProgram

You must upload a register program to your PC before program edit functions are allowed.

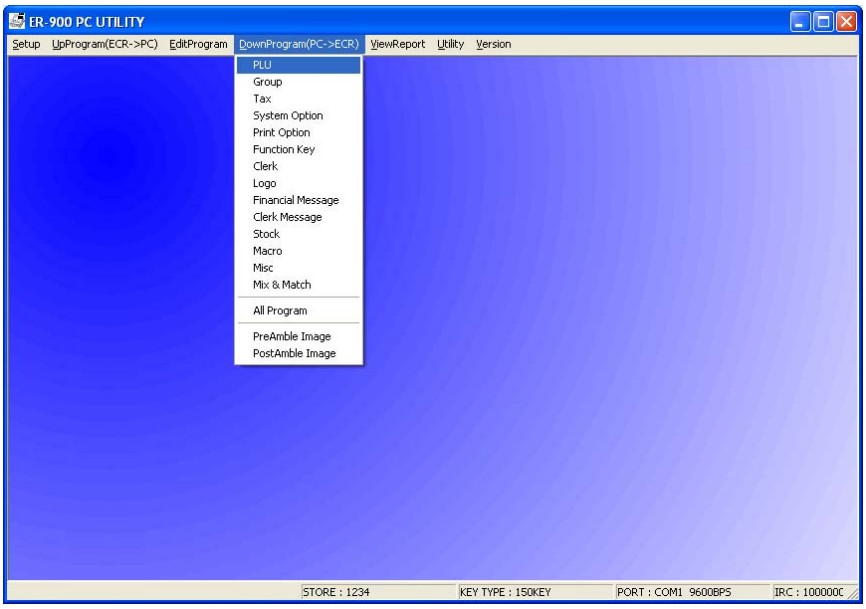
- Select **All Program** (recommended) to upload the entire register program or select the program segment you wish to upload from the **UpProgram** menu.



DownProgram

Downloading a program will overwrite the existing register program.

- Select the program segment you wish to download from the **DownProgram** menu, or select **AllProgram** to download the entire register program (not including PreAmble and PostAmble images, that are downloaded separately.)



Edit Programs

Procedures

With the exception of memory allocation, all register programs can be edited with the PC Utility. You will find options neatly organized on dialog boxes, making register option programming on the PC Utility more efficient than programming options at the register.

- **You must upload a program before program edit functions are allowed.**

1. To edit a program, choose the appropriate program from the **EditProgram** menu. An example of each program dialog box is shown in this chapter.
2. After edits, click **Save** to exit and save changes, or click **Cancel** to exit without saving changes.

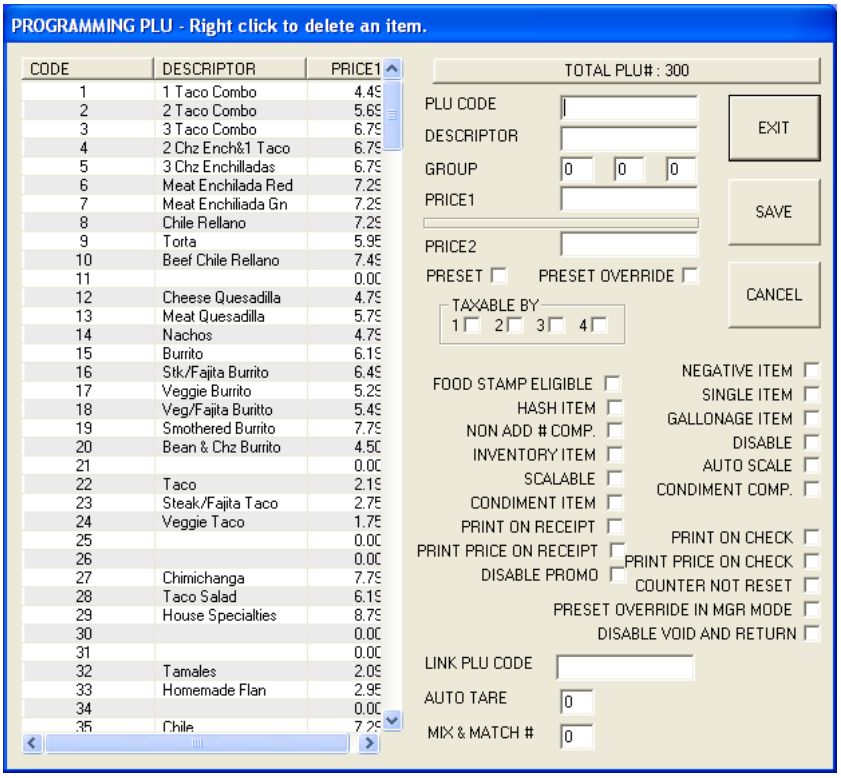
Tips

- Each Store's data is located in a separate folder under the ER-900PC folder.
- If you are building a new register program based upon an existing store, you can copy an existing store's program files to a new store folder. It is often more efficient to modify an existing program than to start over with a new one.
- If you are building a large PLU file with identical (or similar) options for each PLU, you may find the from/to PLU programming at the register useful. For example, you can first program the identical options for a range of PLUs at the register. Then upload the PLU program with the utility. Use the utility to program descriptors, prices and make adjustments to each PLU individually. Finally, you can download the completed program to the register.
- If you have questions regarding the meaning of ECR features, refer the appropriate *ER-900 Series Operator's and Programming* manual for an explanation of your program options.

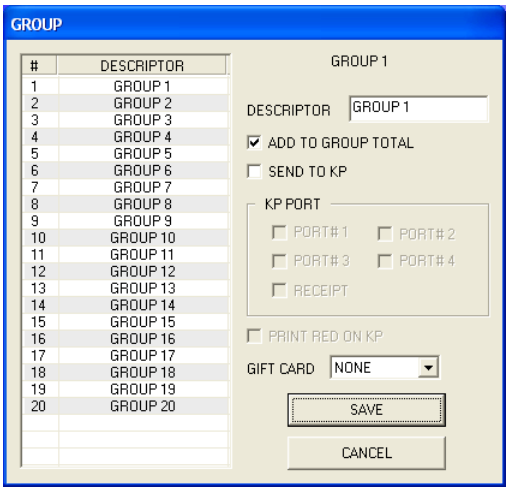
Program Edit Screens

Note: When editing descriptor fields, you can make bold characters print on the ECR by entering a tilde (~) before each character. Each bold character occupies 2-character positions.

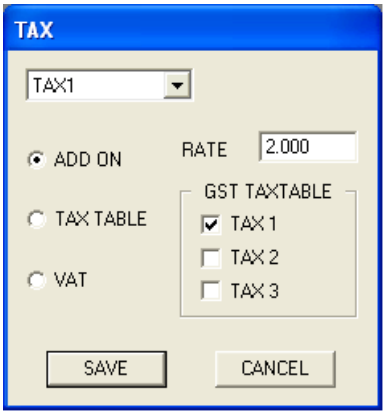
PLU



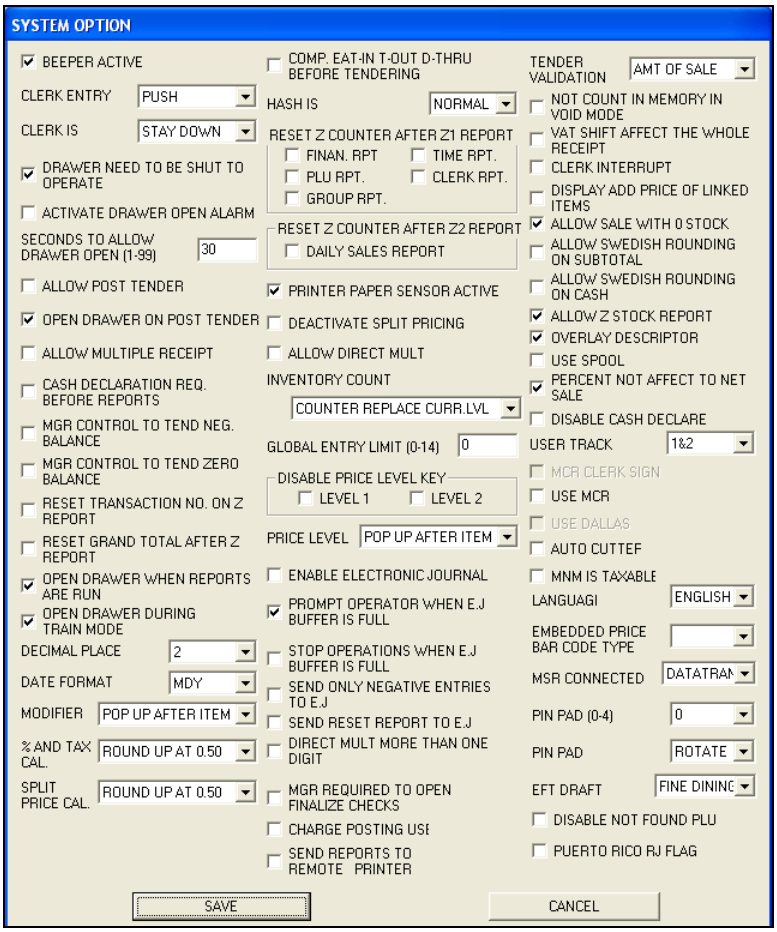
Groups



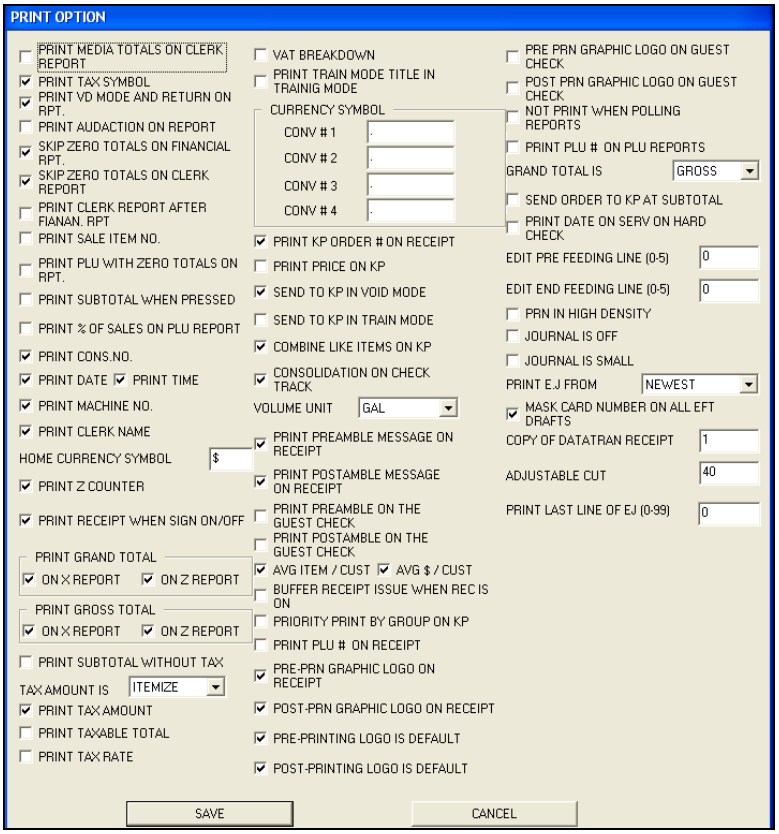
Tax



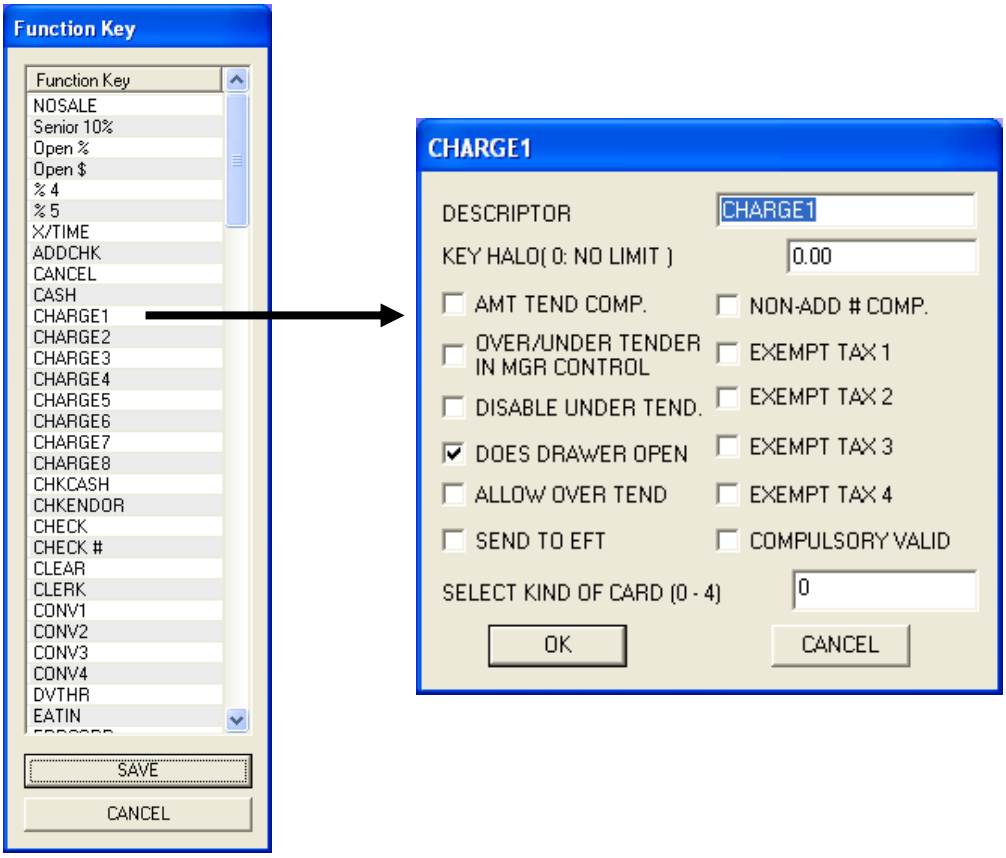
System Option



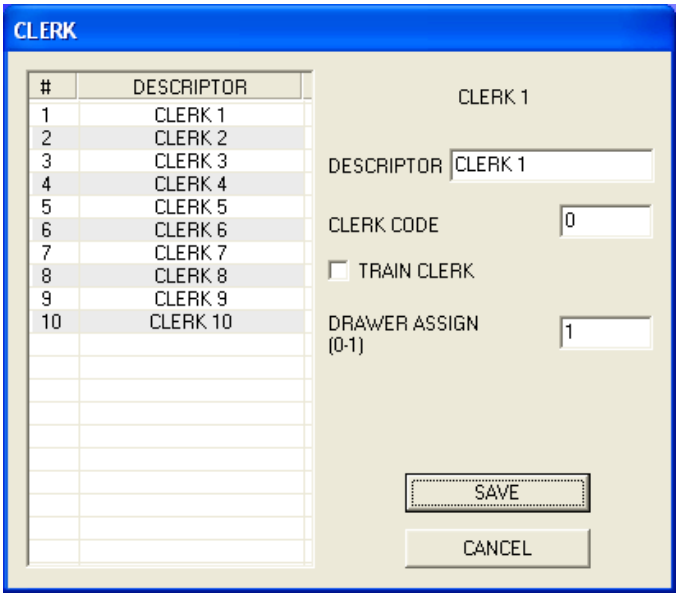
Print Option



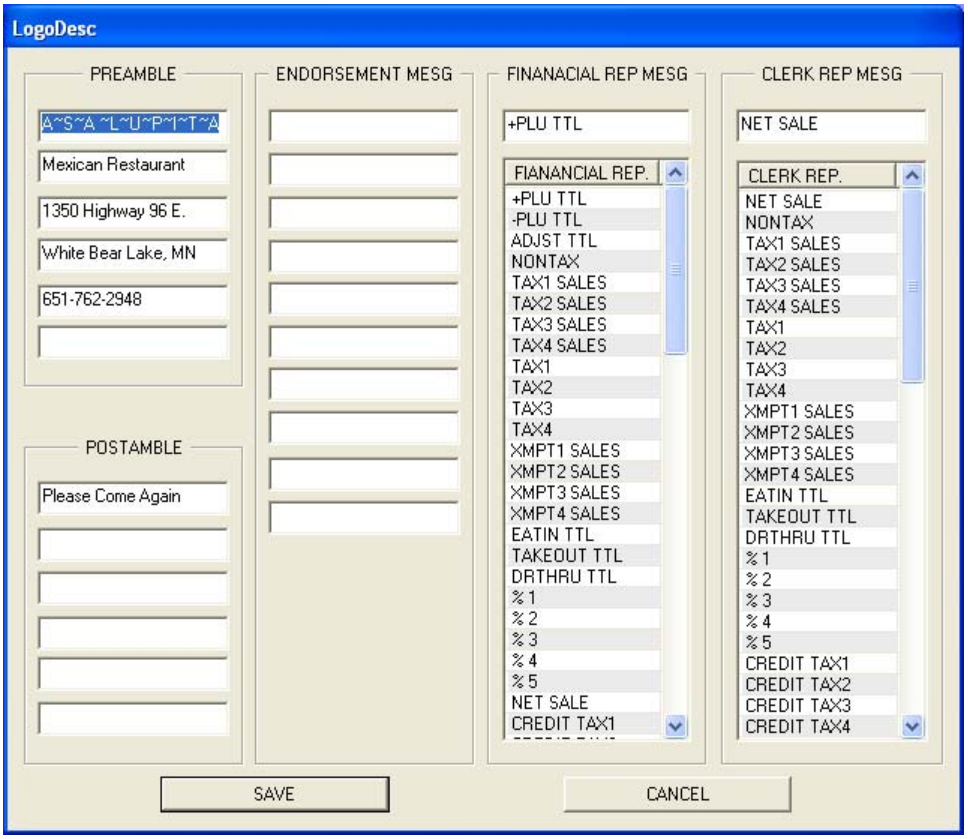
Function Key



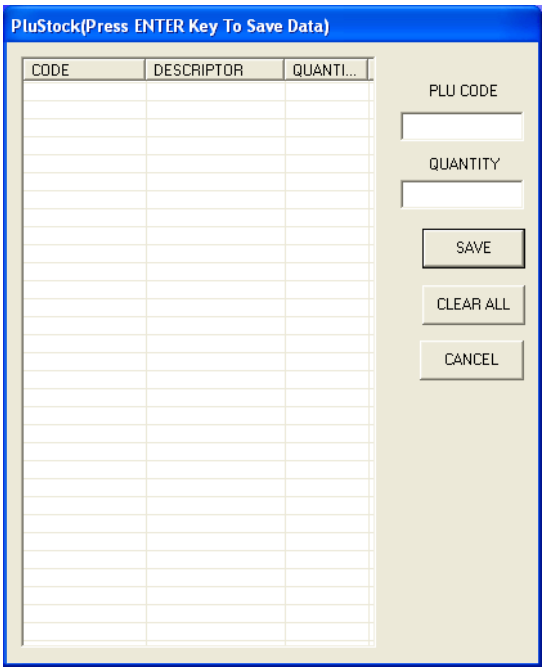
Clerk



Logo/Descriptors



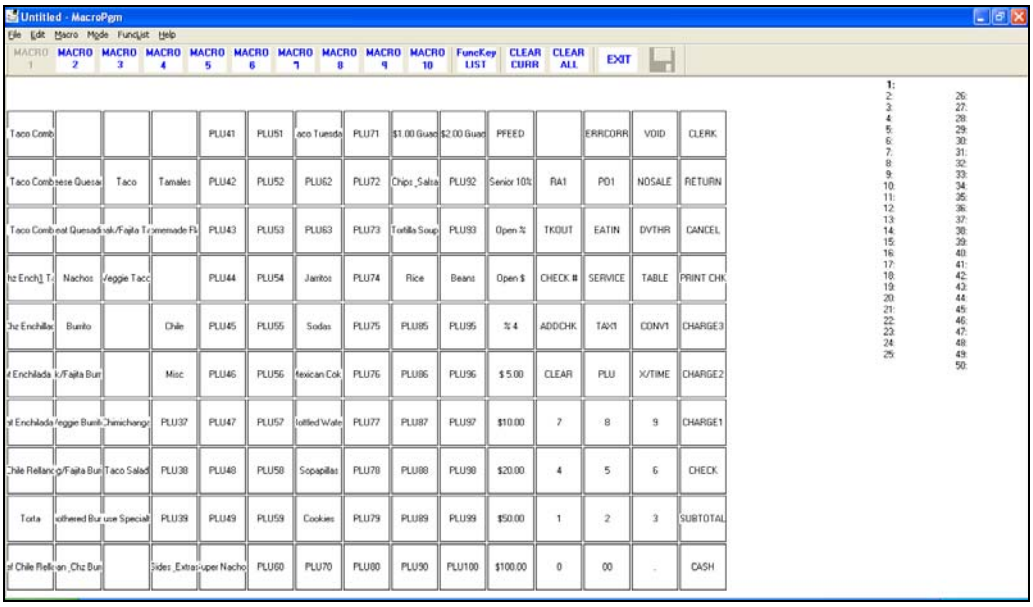
PLU Stock



NLU


NluPgm
NLU CODE
PLU CODE
DESCRIPTOR
1 1 1 Taco Combo
2 2 2 Taco Combo
3 3 3 Taco Combo
4 4 2 Chz Ench&1 Taco
5 5 3 Chz Enchilladas
6 6 Meat Enchilada Red
7 7 Meat Enchiliada Gn
8 8 Chile Rellano
9 9 Torta
10 10 Beef Chile Rellano
11 11
12 12 Cheese Quesadilla
13 13 Meat Quesadilla
14 14 Nachos
15 15 Burrito
16 16 Stk/Fajita Burrito
17 17 Veggie Burrito
18 18 Veg/Fajita Buritto
19 19 Smothered Burrito
20 20 Bean & Chz Burrito
21 21
22 22 Taco
23 23 Steak/Fajita Taco
24 24 Veggie Taco
25 25
26 26
27 27 Chimichanga
28 28 Taco Salad
29 29 House Specialties
SAVE
CANCEL

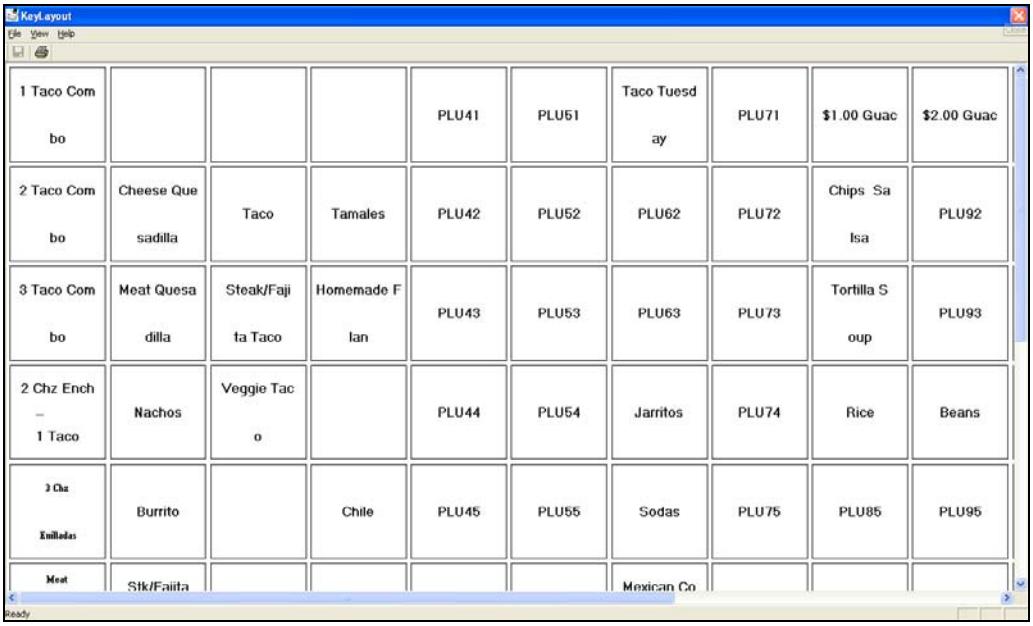
Macro


Untitled - MacroPgm
File Edit Macro Mode FuncList Help
MACRO 1
MACRO 2
MACRO 3
MACRO 4
MACRO 5
MACRO 6
MACRO 7
MACRO 8
MACRO 9
MACRO 10
FuncKey LIST
CLEAR CURR
CLEAR ALL
EXIT
PLU41 PLU51 PLU71 $1.00 Guac $2.00 Guac PFEED ERRCORR VOID CLERK
Taco Comb Taco Tamales PLU42 PLU52 PLU62 PLU72 Chips_Salsa PLU92 Senior 10% RA1 PO1 NOSALE RETURN
PLU43 PLU53 PLU63 PLU73 Tortilla Soup PLU93 Open % TKOUT EATIN DVTHR CANCEL
Nachos Veggie Taco PLU44 PLU54 Jarritos PLU74 Rice Beans Open $ CHECK # SERVICE TABLE PRINT CHK
Burrito Chile PLU45 PLU55 Sodas PLU75 PLU85 PLU95 % 4 ADDCHK TAX1 CONV1 CHARGE3
Misc PLU46 PLU56 Mexican Cok PLU76 PLU86 PLU96 $ 5.00 CLEAR PLU X/TIME CHARGE2
PLU37 PLU47 PLU57 Bottled Wate PLU77 PLU87 PLU97 $10.00 7 8 9 CHARGE1
Taco Salad PLU38 PLU48 PLU58 Sopapillas PLU78 PLU88 PLU98 $20.00 4 5 6 CHECK
PLU39 PLU49 PLU59 Cookies PLU79 PLU89 PLU99 $50.00 1 2 3 SUBTOTAL
Sides_Extra Super Nacho PLU60 PLU70 PLU80 PLU90 PLU100 $100.00 0 00 . CASH

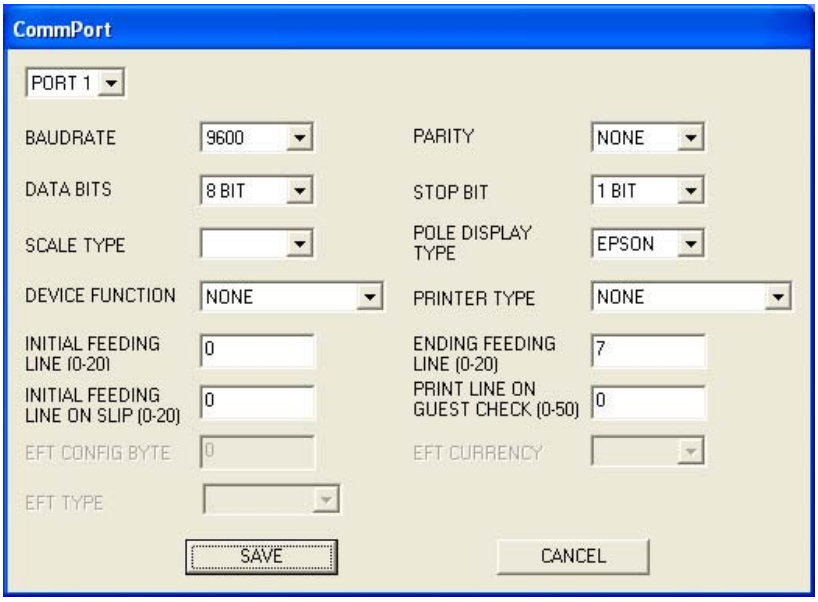
Key Layout

Notes:

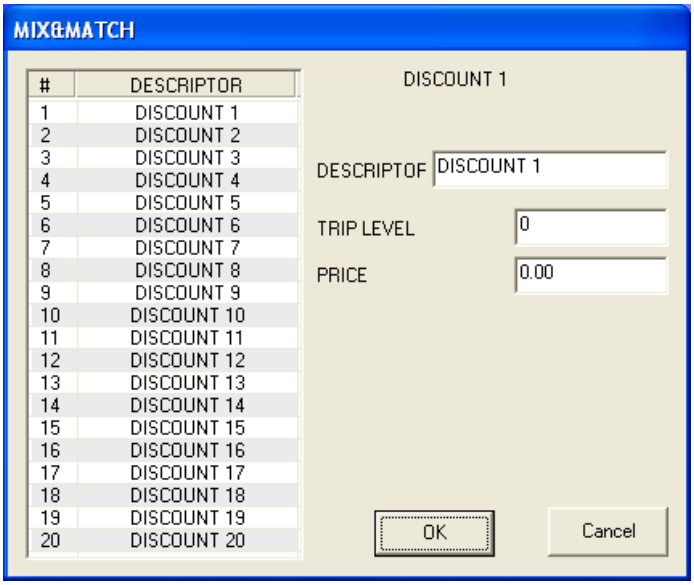
- **Use the scroll bars to view the entire keyboard.**
- **The "&" symbol is reserved. If you wish to use and "&" symbol in the layout, enter "&&". On the keyboard layout it will display as "&".**



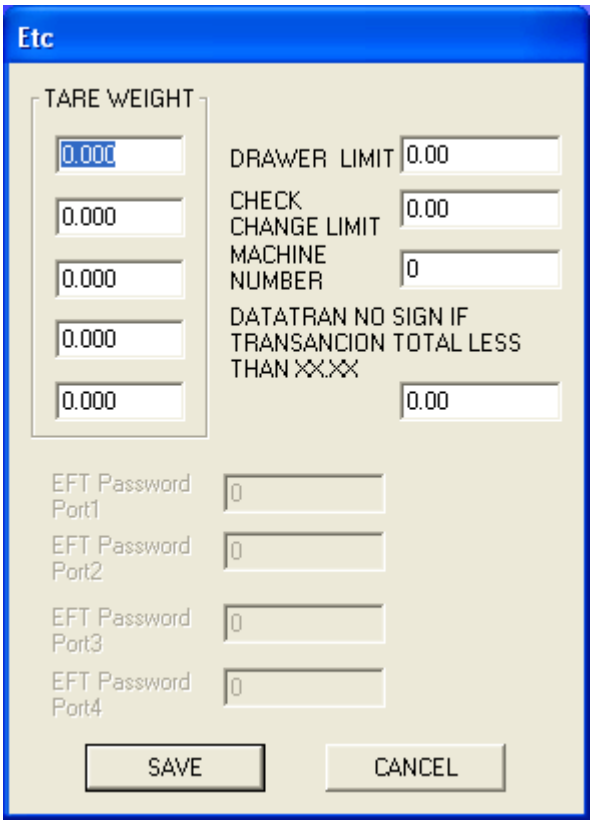
Comm Port



Mix & Match



Etc. – Tare/Drawer Limit/Change Limit/Machine Number



Reports

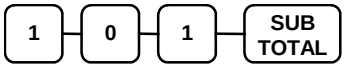
Collecting Reports

Reports cannot be polled with the ER-900 Series PC Utility. However they can be saved to an SD card. SAM4s ER-900 series reports are saved to the SD card in .RPT format. These files are not ASCII and cannot be directly read by a report editor. However, with this utility, you can view the report data, export it to Microsoft Excel, and/or export it to a text file.

Saving Reports to an SD Card

All reports saved in the same procedure. Reports saved are the current X1 readings.

1. At the ECR, turn the control lock to the **S** position.
2. To backup Reports to SD, enter **1 0 1**, press the **SUBTOTAL** key.



Report File Conventions

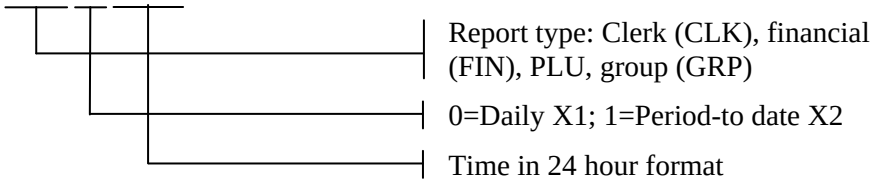
Saved reports are stored in a folder named with the current date, located in a folder under the store name. For example:

SD\ER-900\REPBACK\Storename\20111130

Where 20111130 is the date the reports were saved, November 30, 2011.

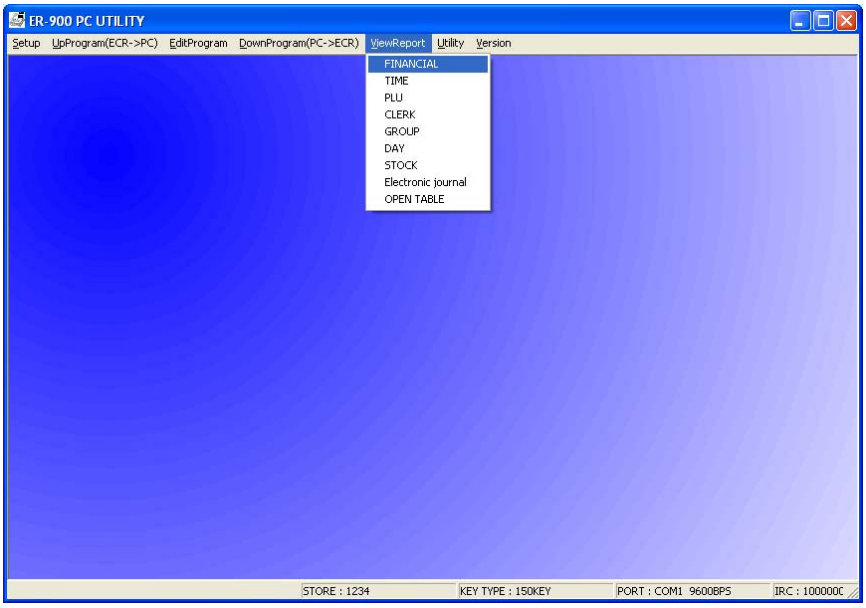
Reports listed in this folder are named using the following convention:

C L K 0 1 1 3 2 . r e p

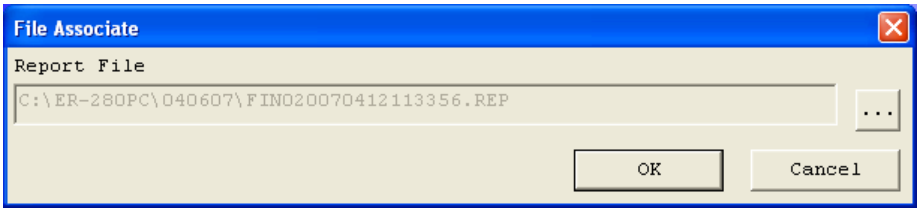


View Reports

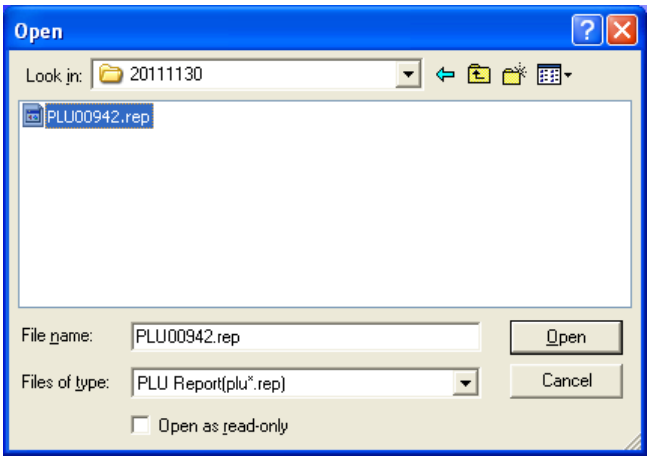
1. Select the type of report you wish to view from the ViewReport menu.



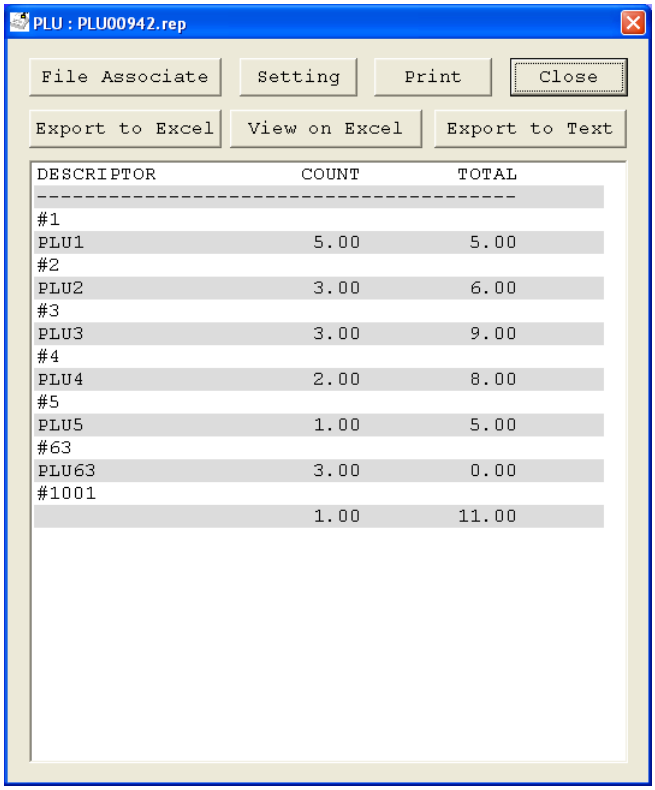
2. The File Associate dialog displays. Click the Browse (**…**)button to locate the report you wish to view.



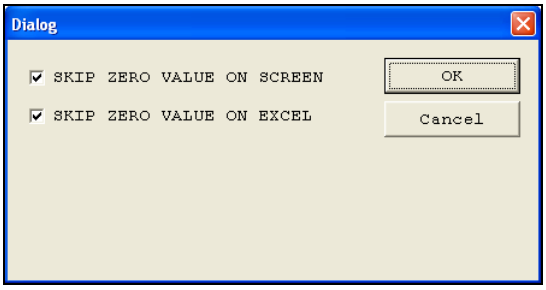
3. Select the report you wish to view. Note that report you select must match the type of report you selected from the menu. For example, if you selected PLU from the ViewReport menu, you must select a report file that begins with the text “PLU …”; if you selected FINANCIAL from the ViewReport menu, you must select a report file that begins with the text “FIN…”



4. Click **Open**. The selected report displays.



5. Choose **Setting** to select zero skip options. Click **OK** to close the dialog and return to the financial report window.



6. From the report window, choose:

   Print: to print the file at your printer
   Export to Excel: to save the report in text (.xls) format
   View on Excel: to open Excel and view the file
   Export to Text: to save the report in Excel (.txt) format
   File Associate: to select a new financial report
   Close: to exit

Prepare & Load Bitmap Logos

Preparing a Graphic Logo Bitmap for an ER-900

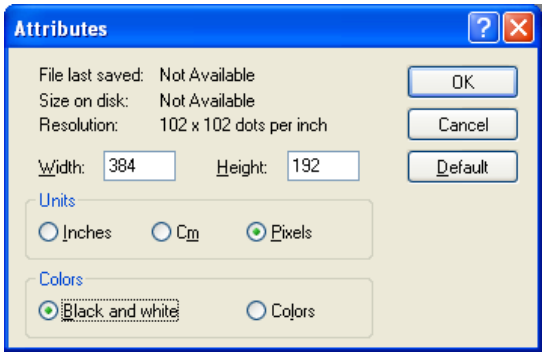
You can load a preamble and postamble image for your ER-900 receipt. Before loading, the images must be converted by the PC Utility to .img format. After conversion, they can be loaded directly by connecting a PC to the ER-900 or by copying the images to a SD card and loading (or saving the image) using the SD utility program described here.

Note that after loading the images, you must set Print Options #21 and #22 to activate the image printing.

1. Preparing a Graphic Logo Bitmap for an ER-900 Series

The image must be black/white, 384 x 192 pixels, and 10 Kbytes or less in size.

1. Open MS Paint.
2. Open the image file you wish to use.
3. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays.

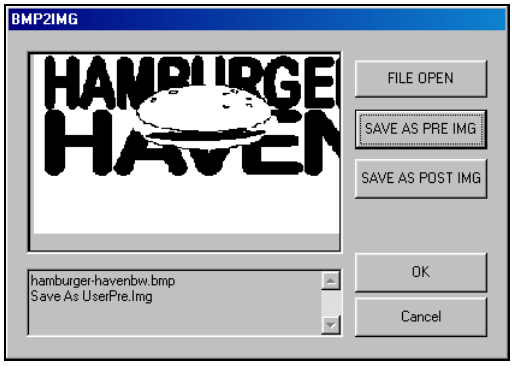


4. The image dimensions must be no larger than 384 pixels wide by 192 pixels high. If the image size in pixels is greater than the maximum, you must resize your image.
    a. Click **OK** to exit the Attributes dialog.
    b. Select your image. (Choose **Select All** from the **Edit** menu.)
    c. Using the handles of the selected image, resize the image. Keep the image in the upper left corner of the screen.
    d. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays again. Enter 384 in the **Width** field; enter 192 in the **Height** field; select **Pixels** as the unit. Click **OK** to exit the dialog box.
    e. Your image will be cropped to the 384 x 192 pixel size. If you cropped part of the image you wish to keep, you can undo (Ctrl + Z) and try again. You may have to experiment a bit to resize the image inside the 384 x 192 pixel limit.
5. After the image is sized, select **Black and white** in the **Attributes** dialog.
6. Save your image as type "Monochrome Bitmap (*.bmp,*.dib)" and confirm that the size is 10k or less. If you resized your original image, rename it when you save (original size may be retained with the original image.)

2. Use the PC Utility to Convert the Image

1. Install the *ER-900 PC Utility* on your PC.
2. At your PC, start the ER-900 PC Utility. (Select **Start**, **Programs**, **SHC PC UTILITY**, **ER-900 PC UTILITY**.) The **Store Setting** dialog box displays.
3. If you are starting the ER-900 PC Utility for the first time, you must define a store name, or if a store is already defined, you can select the store from the drop down list. After the store is defined or selected, click **Close**. The PC Utility program starts.
4. Move the .bmp logos you wish to use into the store directory (i.e. C:\ER-900PC\storename.)
5. At the PC Utility, choose **Convert Logo Image** from the **Utility** menu. The Bmp dialog box displays.
6. Click **FILE OPEN**. Select the bitmap image you wish to use from the **Open** dialog and click the **Open** command button.

7. Click the **SAVE AS PRE IMG** or **SAVE AS POST IMG** button.



8. When the image is selected, click **OK**. Verify that the message "Save As UserPre.Img" or "Save As UserPost.Img" displays. If the file is too large, and cannot be loaded, the message "File Size Error" displays.

3. Copy the Images to an SD Card

The PC Utility will create two image files:

- USERPRE.IMG
- USERPOST.IMG

They will be located in your PC at:

C:\ER-900PC\Store Name

Copy the mages to the following path on your SD card:

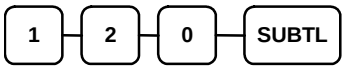
SD\\ER900\PgmBack\Store Name

Important: In the path: C:\ER-900PC\Store Name, the store name is the name you have defined as the store in the PC Utility. Note: You must use the same store name in the ER-900 Series ECR at System Option #30.

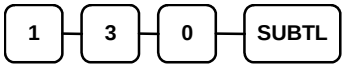
4. Load the Images by SD Card

Insert the SD card in the register's SD slot. Note: The SD slot is located in the printer compartment of the ER-900. Remove the security screw to access the slot.

1. Turn the control lock to the **S** position.
2. To load the **Preamble Image** to the register from the SD card, enter **1 2 0**, press the **SUBTOTAL** key.

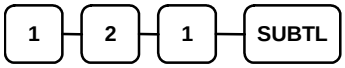


3. To load the **Postamble Image** to the register from the SD card, enter **1 3 0**, press the **SUBTOTAL** key.

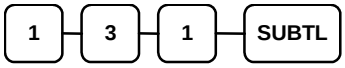


5. Saving Images from an ER-900 to an SD Card

1. Insert the SD card in the register's SD slot. Note: The SD slot is located in the printer compartment of the ER-900. Remove the security screw to access the slot.
2. Turn the control lock to the **S** position.
3. To save the **Preamble Image** from the register to the SD card, enter **1 2 1**, press the **SUBTOTAL** key.



4. To save the **Postamble Image** from the register to the SD card, enter **1 3 1**, press the **SUBTOTAL** key.



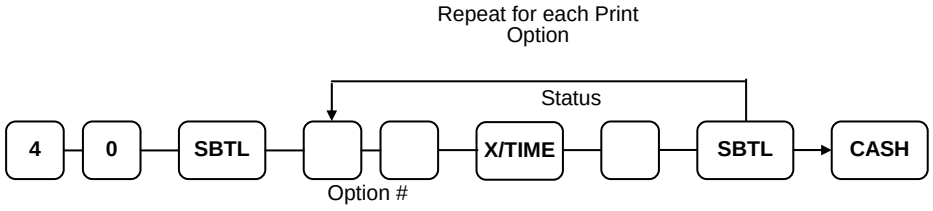
Printing the Logo Image – ER-900 Settings

Two addresses in Print Option Programming affect graphic logo printing:

Option #28 – Add the value of 1 to address 28 if you wish to print the pre graphic logo on the receipt. Add the value of 2 to address 28 if you wish to print the post graphic logo on the receipt.

Option #29 – Add the value of 1 to address 29 if you wish to print the pre graphic logo on the guest check. Add the value of 2 to address 29 if you wish to print the post graphic logo on the guest check.

Print Option Flowchart (P Key Lock Position)



Import/Export PLU Files

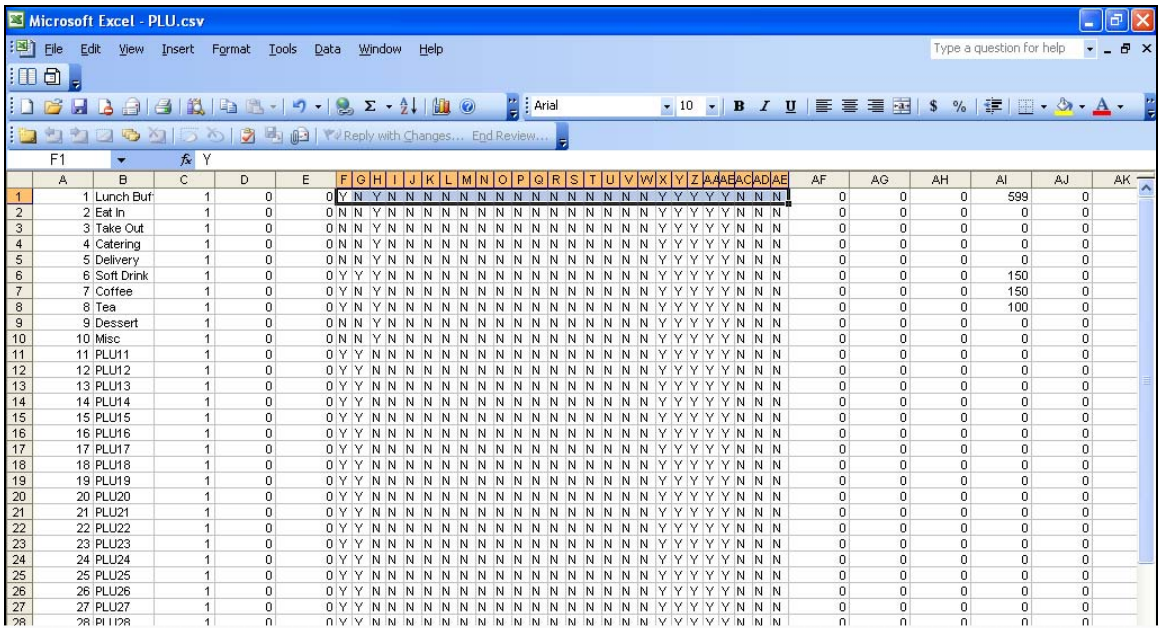
PLU PGM to Excel/PLU Excel to PGM Utilities

This feature of the *SAM4s ER-900 PC Utility* is found under the Utility tab. Select "PLU PGM TO EXCEL" or "PLU EXCEL TO PGM".

- When the "PLU PGM TO EXCEL" utility is run, the Excel file is place into the folder: C:\ER-900PC\Storename. The file is named PLU.csv.
- When the "PLU EXCEL TO PGM" utility is run, the PLU.csv file in the folder: C:\ER-900PC\Storename will replace the PLU file and become the active PLU file for the store.

PLU Key for CSV Import/Export

Example of Exported CSV File (in Excel):

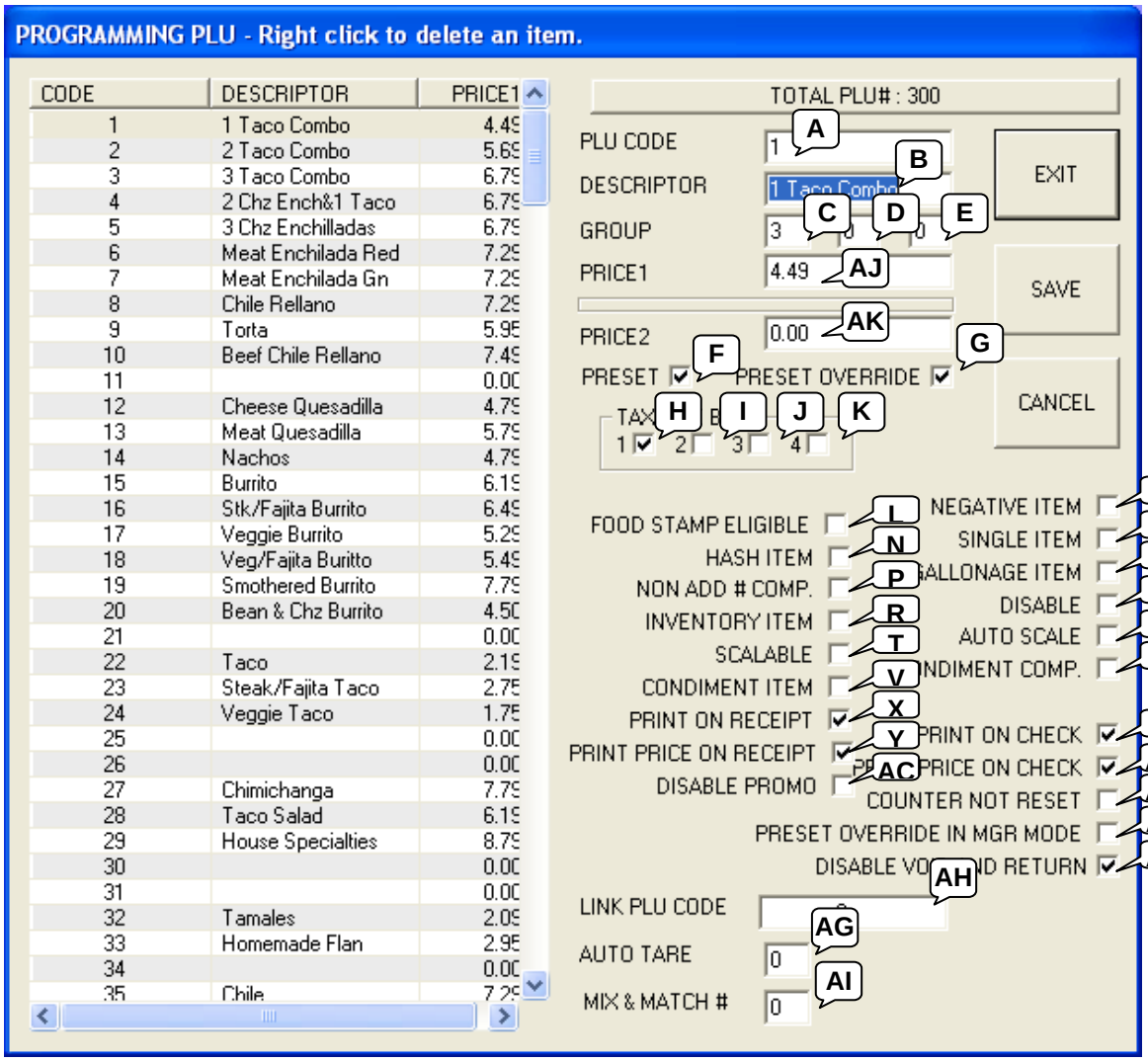


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1	1	Lunch Buf	1	0	0	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	599	0	
2	2	Eat In	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
3	3	Take Out	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
4	4	Catering	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
5	5	Delivery	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
6	6	Soft Drink	1	0	0	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	150	0	
7	7	Coffee	1	0	0	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	150	0	
8	8	Tea	1	0	0	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	100	0	
9	9	Dessert	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
10	10	Misc	1	0	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
11	11	PLU11	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
12	12	PLU12	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
13	13	PLU13	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
14	14	PLU14	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
15	15	PLU15	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
16	16	PLU16	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
17	17	PLU17	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
18	18	PLU18	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
19	19	PLU19	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
20	20	PLU20	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
21	21	PLU21	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
22	22	PLU22	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
23	23	PLU23	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
24	24	PLU24	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
25	25	PLU25	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
26	26	PLU26	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
27	27	PLU27	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	
28	28	PLU28	1	0	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	0	0	0	0	0	

Excel PLU.csv Key	
Column on PLU.csv	**Corresponding Option**
A	PLU CODE
B	DESCRIPTOR
AJ	PRICE/HALO 1
AK	PRICE/HALO 2
F	PRESET
G	PRESET OVERRIDE
H	TAXable By: 1
I	TAXable By: 2
J	TAXable By: 3
K	TAXable By: 4
L	FOOD STAMP ELIGIBLE
M	NEGATIVE ITEM
N	HASH
O	SINGLE ITEM
P	NON-ADD # COMP.
Q	GALLONAGE ITEM
R	INVENTORY ITEM
S	DISABLE
T	SCALEABLE
U	AUTO SCALE
V	CONDIMENT
W	COMP. CONDIMENT
X	PRINT ON RECEIPT
Y	PRINT PRICE ON RECEIPT
Z	PRINT ON CHECK
AB	PRINT PRICE ON CHECK
AC	DISABLE PROMO
AD	COUNTER NOT RESET
AE	PRESET OVERRIDE IN MANAGER CONTROL
AF	DISABLE VOID AND RETURN
AG	AUTO TARE
C	GROUP # 1 (1-20)
D	GROUP # 2 (1-20)
E	GROUP # 3 (1-20)
AH	PLU LINK CODE
AI	MIX & MATCH #

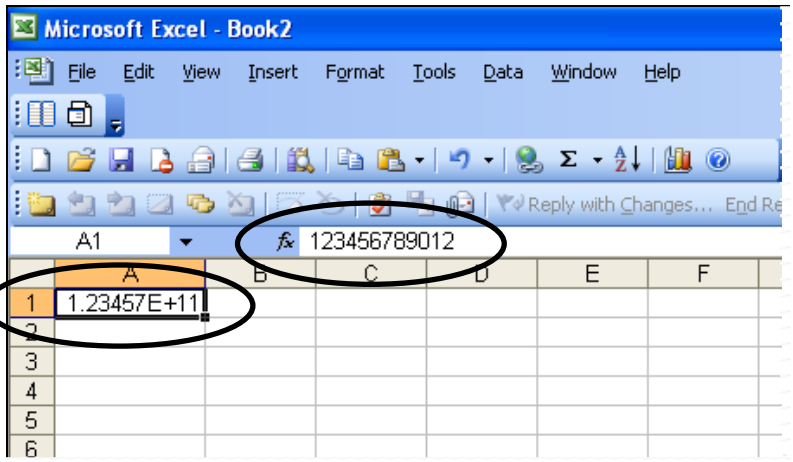
*AA column in the PLU>csv file is always “Y”.

PLU Key Viewed on Utility PLU Program Window



Import Note – Notation of Large PLU Numbers

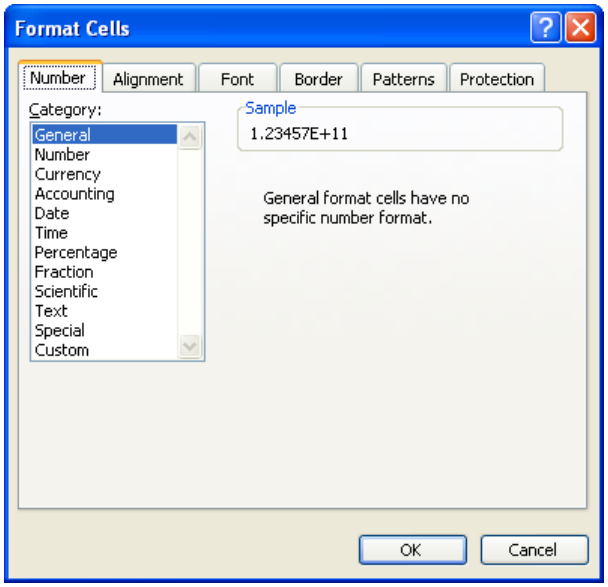
Using default Microsoft Excel™ settings, numbers exceeding 12 digits will display in scientific notation as shown in the sample sheet below:



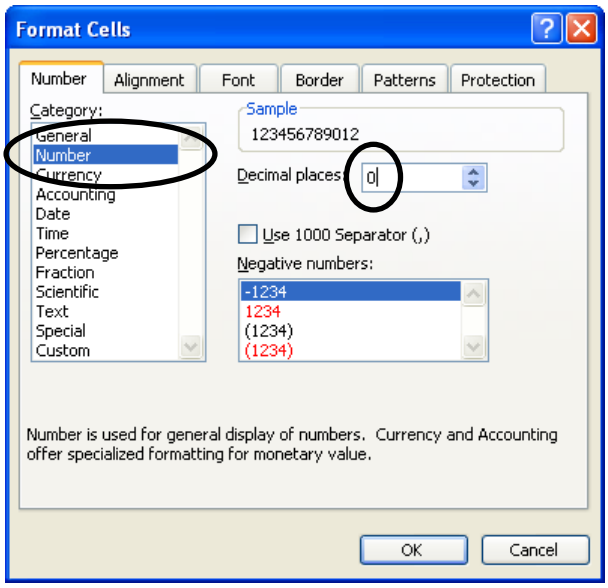
Caution **If you are editing a PLU.csv file in Excel, *and* you are using large PLU numbers (such as 14-digit UPC numbers), you must take care to change the formatting of the number in Excel, so that the correct PLU number is sent to the PLU file.**

To Change PLU Number Display in Excel

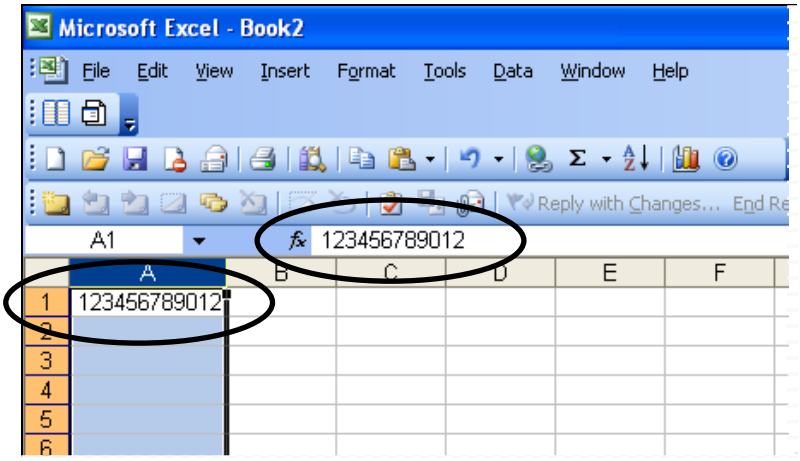
1. On the Excel spreadsheet, select column "A" (the PLU number column).
2. Choose **Cells** from the **Format** menu. The **Format Cells** dialog box displays with the **Number** tab selected. Note the the Category selected is "General".



3. Select the ‘Number” category and set the Decimal places field to “0”.



4. Click **OK** to save the settings. Note the large number now displays completely, without scientific notation.

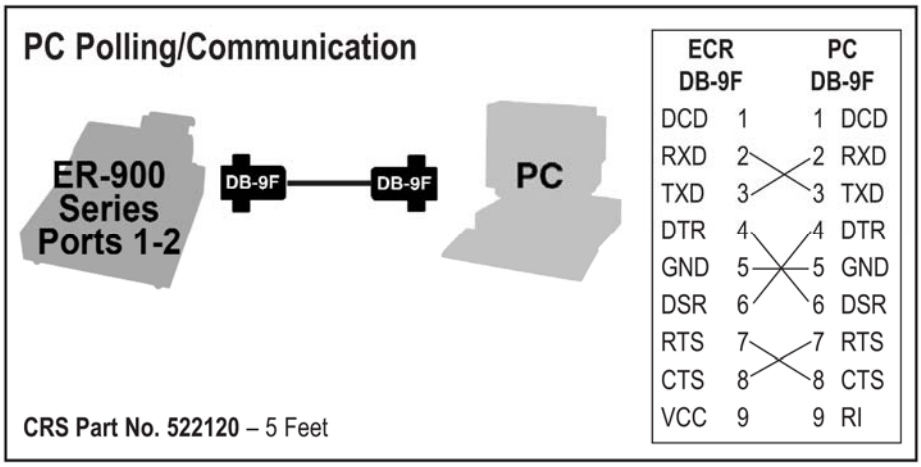


Appendix

Cabling Diagrams

You can configure cables yourself with the diagram provided here, or you can order the appropriate cables from CRS Parts at 1-800-333-4949.

Direct Connection



Manual Revision Record

Edition	Date published	Revision contents
Prelim		
V1.0	12/12/2011	Added ViewReport Menu functions
V1.1	4/2/2013	Keyboard Layout Note added
V1.2	4/18/2013	Added new keyboard selections available at utility version 01.015