
SAM4s ER-900 Series

SAM900 **User's Manual**



Version 1.1

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Contents

Introduction	1
Overview	1
Features	1
Requirements	1
Installing	2
Cash Register Settings	3
RS-232 Option Chart	4
Preparing the <i>ER-900</i> for Communications	5
Starting	6
Navigating	7
Mouse and Keyboard	7
Viewing Menus and Selecting Menu Items	7
Drop-Down List Boxes	9
Check Boxes	9
Option Buttons	9
Scrolling	9
Interface Specifications	10
 Menu Functions	 11
Stores	11
Creating a New Store	11
Selecting the Default Store	13
Editing Store Information	14
Deleting a Store	14
Edit ECR Data	15
PLU File	16
Group	21
Tax	22
System Options	23
Print Options	24
Function Keys	25
Clerks	26
Logo Description	27
Financial Messages	28
Clerk Messages	29
Misc: NLU; Tare Weights; Port Options; Keyboard Layout/Macros; Drawer Limit; Machine No.; Check Change	30
Mix and Match	35
Stock	36
Communications	37
Polling	37
Send Programs to ECR (Download)	39
Receive Programs from ECR (Upload)	40

Polling Setup File	41
Download Bitmap Image.....	42
Print	45
Daily Poll File.....	46
Log Files.....	47
PLU File	50
PLU Range	51
Consolidated Store Report.....	52
Changed PLU Report	53
Remove.....	54
Old Poll Files.....	54
Log Files (Upload, Download, Poll)	54
Utilities	55
Copy a Store	55
Copy PLU File.....	56
After Polling	57
Set Auto Poll	59
Length of Polling Time	60
Backup Poll Data Files	60
Design ER-920/ER-940 Keyboards	61
Design Generic Keyboard	62
Fix PLU File	63
Calculate Number of PLUs.....	63
View Memory Allocation.....	64
Quit	64

Appendices 65

Structure of Stores	65
File Definitions	66
SAM900 PLU File Structure	66
Structure of Polling Files	68
Sample Reports	70
Financial Report	70
Time Report.....	71
PLU Report.....	72
Clerk Report (Data for One Clerk Only)	72
Group Report.....	73
Troubleshooting Common Problems	74
Hardware	74
Software.....	74
SAM4s ER 900 Series	74
SAM900 Software.....	74
Cabling Diagrams	75
Cable Pinouts.....	76

Manual Revision Record 78

Introduction

Overview

Features

SAM900 controls the connection between a SAM4s ER 900 Series (ER-920, ER-925, ER-940 or ER-945) electronic cash register and an IBM compatible PC running in a Windows XP (or later) environment. Using *SAM900* at your PC, you can:

- Connect directly, via telephone modem or by Internet.
- Upload program files from the register to the PC.
- Edit cash register programs.
- Download program files to the register from the PC.
- Download bitmap images for custom pre/post logos.
- Poll reports from the register, save, display or print them at the PC.
- Poll all stores, or individual stores.
- Poll unattended at a predetermined time.
- Download preamble/postamble bitmap files.
- *SAM900* converts polled reports to ASCII files, ready to be used by other PC applications.

Requirements

To use this utility, you must have:

- Pentium 100 or faster CPU.
- 32 MB RAM.
- 150 MB minimum hard disk space available.
- Dedicated serial port (RS-232C).
- VGA or SVGA display.
- Windows XP or above operating system.
- US Robotics Sportster™ Modems are recommended for remote connections (for both PC and ECR sites.)

Installing

Notes:

SAM Polling software requires a USB software key to be installed on the PC running the software to access all of the polling and programming features. Software can be installed on a PC without the key, but it can be used only for program saving/loading.

The connection from the ECR to your PC requires a serial port on the PC. See “Cabling Diagrams” on page 75 for more information on cables and connections.

1. Load the *SAM900* program CD into your CD drive (or load via SD/USB memory device).
2. From the Windows Desktop, double click the *My Computer* icon.
3. Select your CD ROM drive (usually drive "D".)
4. Choose **Setup**. The Welcome dialog displays.
5. Click **Next**. The Ready to Install dialog displays.
6. Click **Next**. The Install Directory dialog displays.
7. Click **Next**. The Select Shortcut Folder dialog displays.
8. Click **Next**. When all files are copied, the Finished dialog displays.
9. Click **Finish**.
10. Next, the HSAP SRM loads the driver for the software key.
11. When the driver installation is complete, the Aladdin HASP SRM dialog displays.
12. Click **OK**.
13. Remove the CD ROM. Your installation is complete.

Cash Register Settings

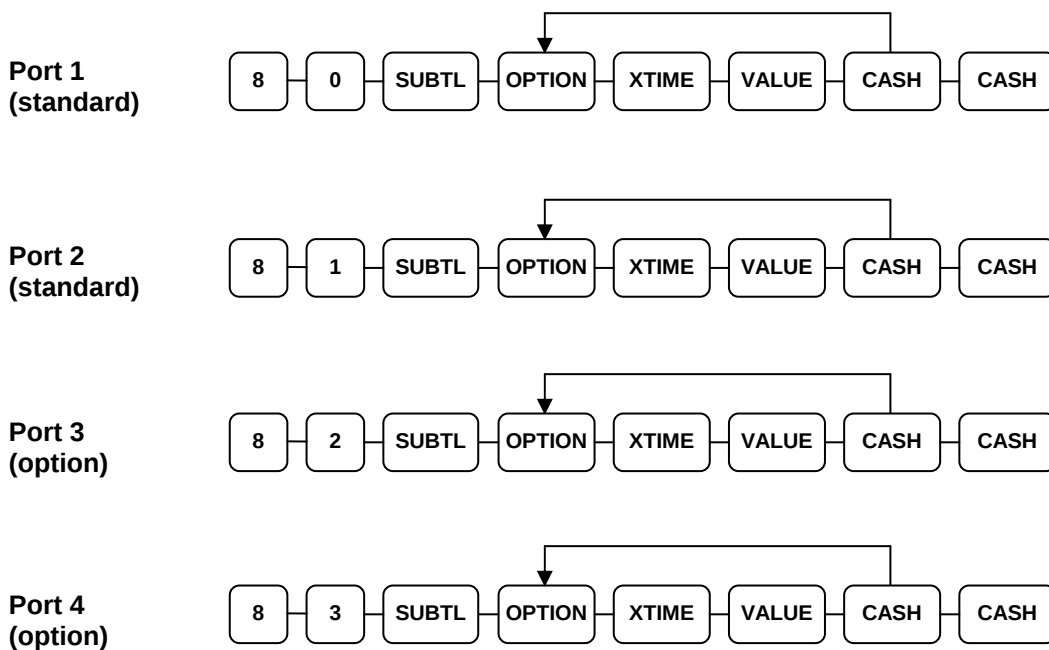
To communicate with your *SAM4s ER-900 Series* ECR, you must set the RS232C port for the PC function.

Setting the RS232C Port Options

You must select 'PC' as the device that is attached to the RS-232C communications port.

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 Communicatons

The register must be ready for communications:

- Connect the register directly to the PC with the appropriate cable. See “Cabling Diagrams” on page 75.
- 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**.

It is not necessary to manually place the register in PC Communications mode. SAM900 will automatically place the register in PC Communications mode when communications are initiated.

Starting

1. Click the **Start** button, click **Programs**, click **SAM900**, and then click **SAM900.exe**.
2. The *SAM900* main menu screen displays.



YOU MUST DO THIS FIRST!

Before you can attempt communications or editing, you must create at least one store. Refer to "Creating a New Store" on page 11.

After creating a store, you must Receive (Upload) information from the ECR. Refer to "Receive Programs from ECR (Upload)" on page 40.

Navigating

Mouse and Keyboard

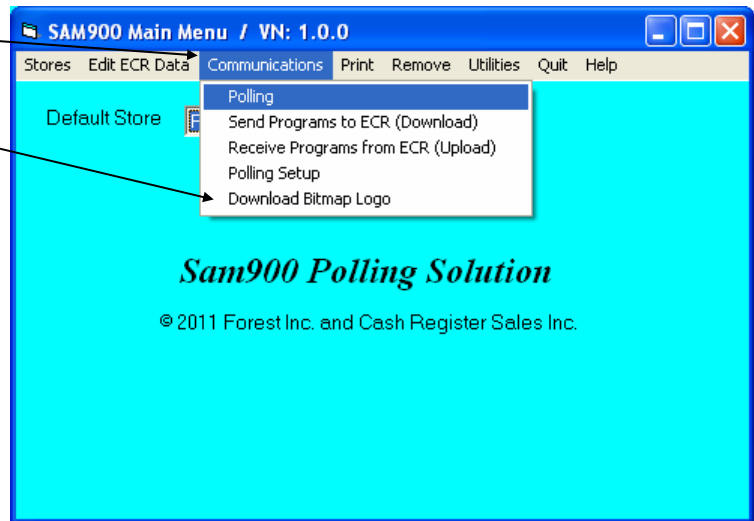
You can choose a menu, menu item, or a command by clicking on it with your mouse.

Viewing Menus and Selecting Menu Items

1. Point at a menu item with your mouse.
2. Point at your choice on the menu and click the left mouse button.

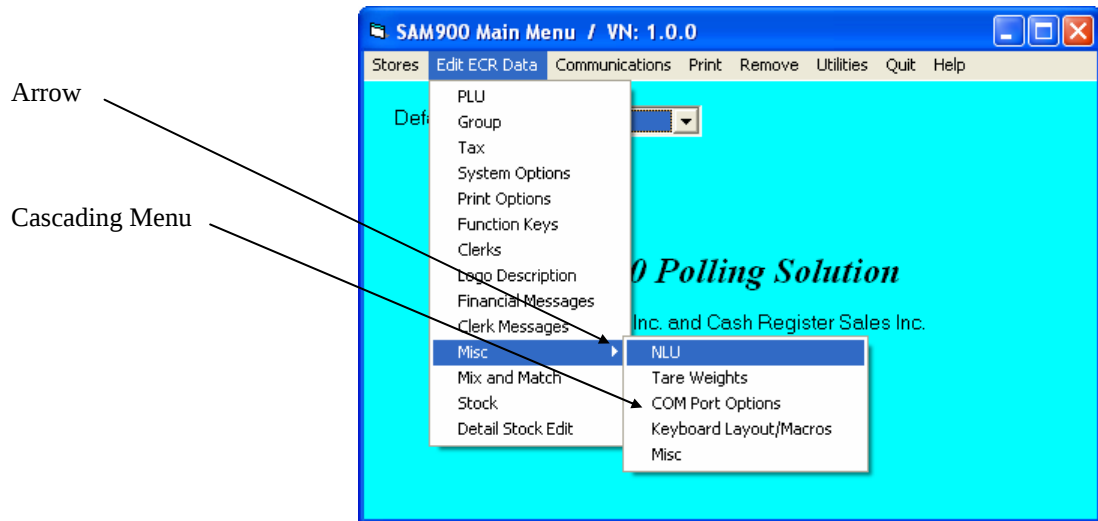
Menu Item

Menu Choices



Cascading Menus

1. The arrow indicates additional choices cascade from the first menu.
2. Move the mouse pointer in the direction of the arrow to display additional choices.



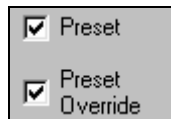
Drop-Down List Boxes

- ◆ Click on the arrow in the box to open the drop-down list box and display a list of choices. Click on an item to select it. (If all the choices are not in view, scroll bars are provided.)



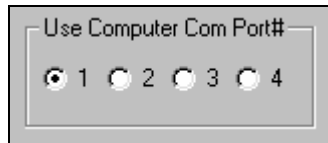
Check Boxes

- ◆ Click on a check box to make a selection. Click the check box again to deselect the item



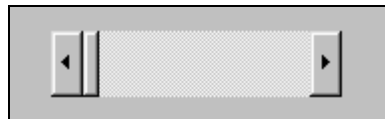
Option Buttons

- ◆ Click on one of the option buttons (also called radio buttons) to make a selection. Your previous selection will pop-up when a new selection is made.



Scrolling

- ◆ Move the scroll box to select the item you wish to work with. Drag the scroll box or click the scroll arrows to find your selection.



Interface Specifications

Communications Specifications

Asynchronous Operation

Communication Mode Half Duplex

Baud Rate Select: 2400, 4800, 9600 or 19,200 BPS

Signal Level RS-232C

Character Bits 8

Parity Bits None

Stop Bits 1

Error Detection Data sum check

Menu Functions

Stores

A store must be created before any communications or editing can take place.

Creating a New Store

1. Choose **Create New** from the *Store* menu to create a store. You can create an unlimited number of stores. The *Create New Store* dialog displays.

Create New Store

Name: Store#: Modem Phone#:

Connection Type: ☐ Direct ☐ Dial Out Modem ☐ Internet

Use PC Com Port# (1 to 32): Baud Rate:

☐ Down Load PLUs after Polling ☐ Deactivate This Store

Modem Initialization String: Modem Time Out Value:

IP Address or IP Name: Port# That ECR Listens On:

Exit

Keyboard Type: ☐ 920/940 Flat ☐ 925/945 Raised ☐ 925/945 Raised Expanded

2. Complete the *Create New Store* dialog according to the Store Information table on the following page.
3. Click **Exit** to save store information.

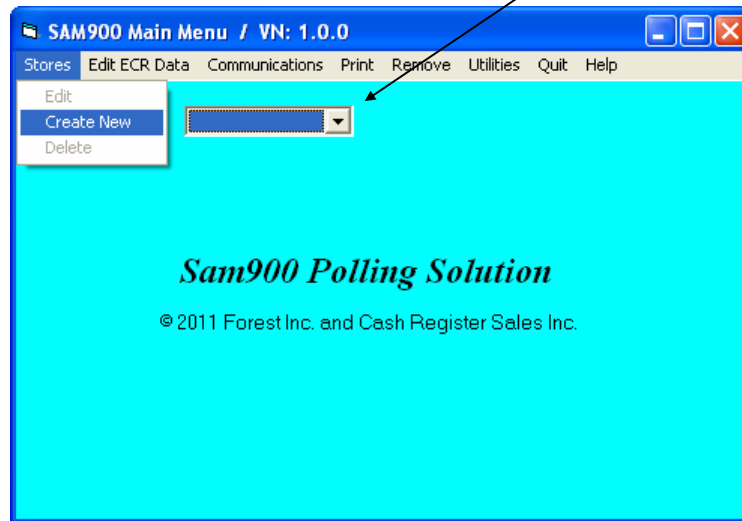
Store Information

Field Name	Required /Optional	Description/Instructions
<i>Name</i>	R	Enter an eight-character store name.
<i>Store#</i>	O	Enter a four digit number store number.
<i>Modem Phone#</i>	O	Enter the Phone number preceded by the letter T or P if you intend to communicate with the register by modem. The T is for TONE and the P is for PULSE. If you communicate direct, leave this field blank.
<i>Connection Type</i>	R	Choose <i>Direct</i> , <i>Dial Out Modem</i> , or <i>Internet</i>
<i>Use PC COM Port# (1-32)</i>	R	Enter the PC serial port (COM1- COM32) that you are using for communications.
<i>Baud Rate</i>	R	Select 9600, 4800, 2400, 1200, or 19,200. Be sure that the rate set on the register (Port Settings) matches the store information rate set here.
<i>Down Load PLUs after Polling</i>	O	Enter Y if you wish to download PLUs in a polling session. When the session is finished polling, the program will download the PLU file.
<i>Deactivate This Store</i>	O	Select the <i>Deactivate This Store</i> check box if you wish the store to be inactive.
<i>Modem Time Out Value</i>	R	Unless otherwise indicated, the default value of 99 will be entered automatically when the store is created
<i>Modem Initial String</i>	O	This field is to allow you to enter any initialization required for your modem for polling or communications. Do not add the command prefix "AT" in this string. If you are using the U.S. Robotics Sportster modem, it would be good to initialize with the string S7=60. This value makes the modem wait for up to 60 seconds to detect a carrier. If no carrier is detected within 60 seconds after you dial, the modem will answer back with No Carrier Detect. Do not put into this string any E, Q or V values. The software automatically handles these values.
<i>IP Address or IP Name</i>	O	If connection is Internet, enter IP address or IP name.
<i>Port# That ECR Listens On</i>	O	If connection is Internet, enter the port the router listens on. (Default is 5000)
<i>Keyboard Type</i>	R	Select 920/940 Flat, 925/945 Raised, or 925/945 Expanded.

Selecting the Default Store

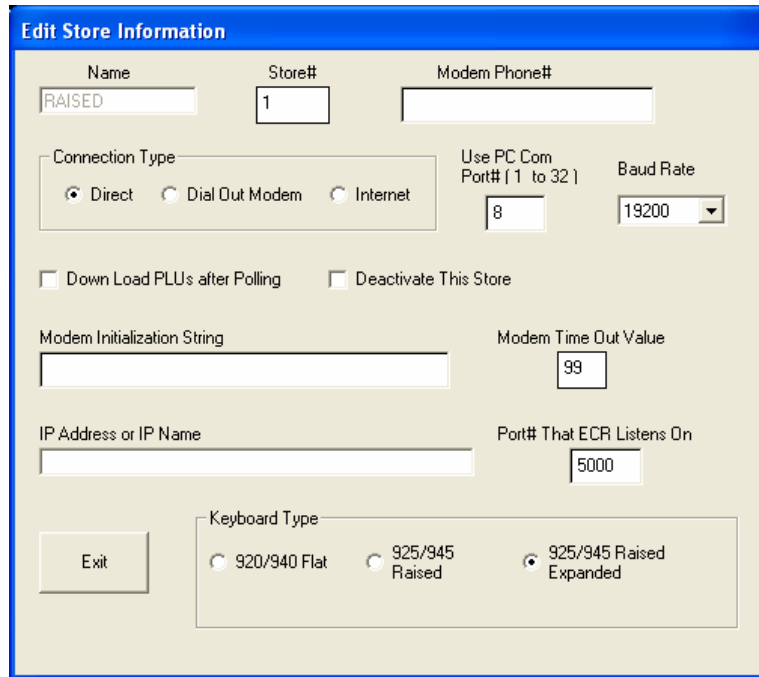
- ◆ Click the *Default Store* drop-down list box to select the working store. When you have created at least one store, the list box will display all stores created. The working store will display in the *Default Store* field. All editing and programming will pertain to the selected working store.

Default Store Drop-down list box



Editing Store Information

1. Choose **Edit** from the *Stores* menu to edit an existing store.



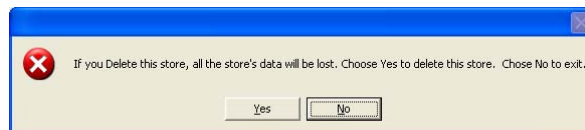
The "Edit Store Information" dialog box contains the following fields and controls:

- Name:** Text field containing "RAISED".
- Store#:** Text field containing "1".
- Modem Phone#:** Empty text field.
- Connection Type:** Radio buttons for ☒ Direct, ☐ Dial Out Modem, and ☐ Internet.
- Use PC Com Port# [1 to 32]:** Text field containing "8".
- Baud Rate:** Dropdown menu set to "19200".
- Down Load PLUs after Polling:** ☐ checkbox.
- Deactivate This Store:** ☐ checkbox.
- Modem Initialization String:** Empty text field.
- Modem Time Out Value:** Text field containing "99".
- IP Address or IP Name:** Empty text field.
- Port# That ECR Listens On:** Text field containing "5000".
- Exit:** Button.
- Keyboard Type:** Radio buttons for ☐ 920/940 Flat, ☐ 925/945 Raised, and ☒ 925/945 Raised Expanded.

2. Refer to the "Click Exit to save store information.
3. Store Information" table on page 11 to complete the *Edit Store Information* dialog.
4. Click **Exit** to save store information.

Deleting a Store

1. Choose **Delete** from the *Stores* menu to delete the working store from you hard drive. A warning dialog displays.



2. Click **Yes** to delete the store.

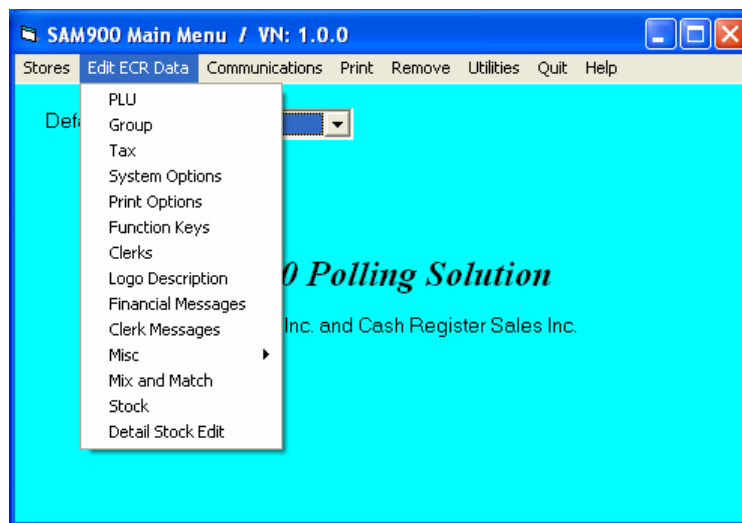
Caution: This function will erase everything that pertains to this store. Use extreme caution with this function. Information that is deleted cannot be recovered.

Edit ECR Data

From the *Edit ECR Data* menu, select a specific program area to edit that part of an existing SAM4s *ER-900* series ECR program. Remember that the options in this program allow you to edit the same program options that you set on a standalone *ER-900* through the register's keyboard. Detailed questions about the meaning of the register options are best answered by referring to the *SAM4s ER-900 Operators and Program Manual*.

Note: If you did not Upload programs from the ECR, you will get a message "The file does not exist" if you attempt to select any of these options.

Note: If you wish to create a program for a new store, you can use the "Copy a Store" function (see page 55) and then edit the copied program to suit your needs.



PLU File

The PLU file is maintained here. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program* for a complete description of your program options.

- ◆ Choose **PLU File** from the *Edit ECR Data* menu. The appropriate *PLU Programming* dialog box displays:

PLU Programming For Store : 01_010

PLU# Lookups
PLU# 0000000000000001 Descriptor PLU1

Groups
1 2 3
1 2 3

TAX
1 2 3 4
1 2 3 4

PLU# 1 Descriptor PLU1 Price LV1 \$1.00 Price LV2 \$0.00 Linked PLU 0 Auto Tare 0 Mix and Match 0

☒ Preset ☒ Preset Override ☐ Compulsory Condiment
☐ Negative ☐ Hash ☐ Do Not Reset Counter After Z Report
☐ Disable ☐ Inventory Item ☐ Preset Override In MGR Control
☐ Gallonage ☐ Disable Promo ☐ Compulsory Non-AddR
☐ Single Item ☐ Food Stamp ☐ Disable Void and Return
☐ Scalable ☐ Auto Scale
☐ Condiment

Print PLU
☒ On Receipt ☒ On Check
☒ Price On Receipt ☒ Price On Guest Check

Total Active PLUs = 301

Save Edit PLU Add PLU Delete PLU

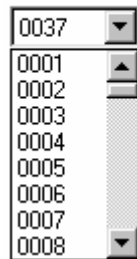
Editing a PLU

1. Select the PLU you wish to edit:

- Type a PLU number in the PLU # field and press **ENTER**, or open the PLU # drop down list box and click on the PLU you wish to edit. If necessary, use the scroll box to view the list of PLUs in the file.

PLU Lookups

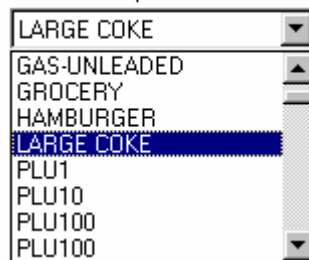
PLU#



0037
0001
0002
0003
0004
0005
0006
0007
0008

- Type a PLU descriptor in the Descriptor field and press **ENTER**, or open the Descriptor drop down list box and click on the PLU you wish to edit. If necessary, use the scroll box to view the list of PLUs in the file. With the list box open, you can type the beginning letter or letters of a PLU descriptor and PLUs beginning with your entry will display in the box.

Descriptor



LARGE COKE
GAS-UNLEADED
GROCERY
HAMBURGER
LARGE COKE
PLU1
PLU10
PLU100
PLU100

- Click the **Edit PLU** button to open the selection fields for editing.

- Edit fields as necessary by moving your mouse pointer to the field you wish to edit:
 - Edit fields with numeric information by clicking on the field, and then entering new data. If you are entering price data, you must use the decimal key to enter cents.
 - Edit fields with check boxes (such as the PRESET field) by clicking on the field to add or remove a check.
- Click **Save** to save changes.

Note: For double-wide characters hold down the **Ctrl** key, type **W**, then type the character you wish to program. (Descriptor field only).

Adding a PLU

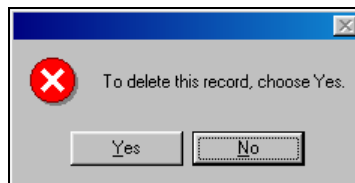
1. Click the **Add** button. A new PLU screen opens for entries:

2. Enter the PLU number you wish to assign in the *PLU #* field, and then complete the remaining fields for the new PLU. .
 - Fill fields requiring numeric information by clicking on the field, then entering data. If you are entering price data, you must use the decimal key.
 - Fill fields with check boxes (such as the PRESET field) by clicking on the field to add or remove a check.
3. Click **Save** to save changes.

Note: For double-wide characters hold down the **Ctrl** key, type **W**, then type the character you wish to program. (Descriptor field only).

Deleting a PLU

1. Select the PLU you wish to delete by number or descriptor.
2. Click the **Delete PLU** button.
3. A warning dialog displays asking if you are sure you wish to delete the PLU.



4. Click **Yes** to delete the PLU; click **No** to abort the delete process.

Note: PLUs deleted at the PC are not automatically deleted at the ECR. You must run PLU reports at the ECR and then send PLUs from the PC to the ECR.

Group

You can program the descriptor and options for each group. (The number of groups is determined in the register's memory allocation, with a maximum of 99 groups.) Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Groups** from the *Edit ECR Data* menu. The *Group Programming* dialog box displays:

Group#	Descriptor	Add To Group Totals	Send To KP	KP Port# is 1	KP Port# is 2	KP Port# is 3	KP Port# is 4	KP Port# is Receipt	Print Red On KP	Gift Card
1	GROUP 1	☒	☐	☐	☐	☐	☐	☐	☐	Not
2	GROUP 2	☒	☐	☐	☐	☐	☐	☐	☐	Not
3	GROUP 3	☒	☐	☐	☐	☐	☐	☐	☐	Not
4	GROUP 4	☒	☐	☐	☐	☐	☐	☐	☐	Not
5	GROUP 5	☒	☐	☐	☐	☐	☐	☐	☐	Not
6	GROUP 6	☒	☐	☐	☐	☐	☐	☐	☐	Not
7	GROUP 7	☒	☐	☐	☐	☐	☐	☐	☐	Not
8	GROUP 8	☒	☐	☐	☐	☐	☐	☐	☐	Not
9	GROUP 9	☒	☐	☐	☐	☐	☐	☐	☐	Not
10	GROUP 10	☒	☐	☐	☐	☐	☐	☐	☐	Not
11	GROUP 11	☒	☐	☐	☐	☐	☐	☐	☐	Not
12	GROUP 12	☒	☐	☐	☐	☐	☐	☐	☐	Not
13	GROUP 13	☒	☐	☐	☐	☐	☐	☐	☐	Not
14	GROUP 14	☒	☐	☐	☐	☐	☐	☐	☐	Not
15	GROUP 15	☒	☐	☐	☐	☐	☐	☐	☐	Not
16	GROUP 16	☒	☐	☐	☐	☐	☐	☐	☐	Not
17	GROUP 17	☒	☐	☐	☐	☐	☐	☐	☐	Not
18	GROUP 18	☒	☐	☐	☐	☐	☐	☐	☐	Not
19	GROUP 19	☒	☐	☐	☐	☐	☐	☐	☐	Not
20	GROUP 20	☒	☐	☐	☐	☐	☐	☐	☐	Not

Exit Print Grid

2. The current options for each group are displayed. Use the scroll box at the right to view all of the groups; use the scroll box at the bottom to view all of the options for each group.
 - Edit the descriptor field by double clicking on the field, then type a new descriptor.
 - Edit fields with check boxes by clicking on the field to add or remove a check.
 - Set gift card status, if applicable, for Activate (to activate a new card) or Add (to add a balance to an existing card.)
3. Click **Exit** to save changes and return to the main menu.

Tax

Each of the 4 possible taxes can be set for an add on percentage, tax table or VAT. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Tax** from the *Edit ECR Data* menu. The appropriate *Tax Rates* dialog box displays:

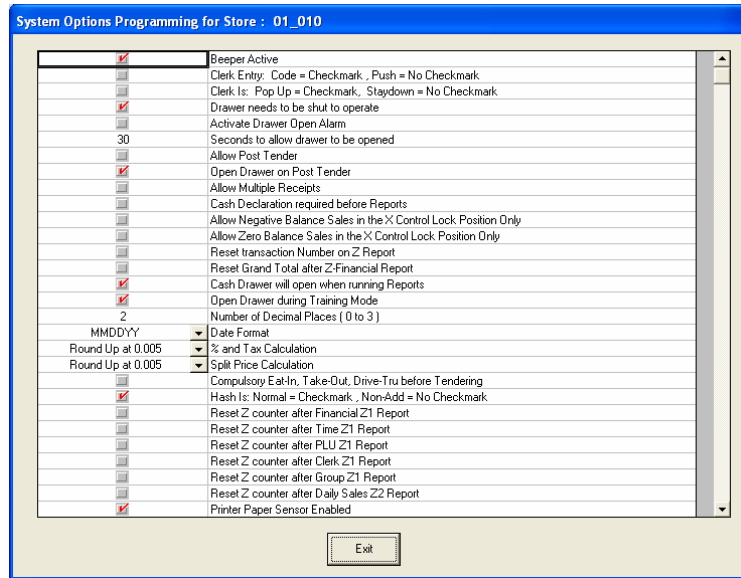
Break Point#	Tax	HivAmount	Break Point Difference
0	0.00	0.00	
1	0.00	0.00	0
2	0.01	0.00	0
3	0.02	0.00	0
4	0.03	0.00	0
5	0.04	0.00	0
6	0.05	0.00	0
7	0.06	0.00	0
8	0.07	0.00	0
9	0.08	0.00	0
10	0.09	0.00	0
11	0.10	0.00	0
12	0.11	0.00	0

2. Enter the tax you wish to program in the Tax # field, or open the Tax # list box and select the tax you wish to program.
3. Select the type of tax (% Add On, Table, VAT) from the drop-down list at the *Tax Type* field.
4. Depending upon the type of tax selected, the appropriate fields will be activated. Enter a percentage for % Add On or VAT taxes. Fill the break point fields for tax tables.
5. Click **Exit** to save changes and return to the main menu.

System Options

Each system option can be edited. Refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **System Options** from the *Edit ECR Data* menu. The appropriate *System Options* dialog box displays:

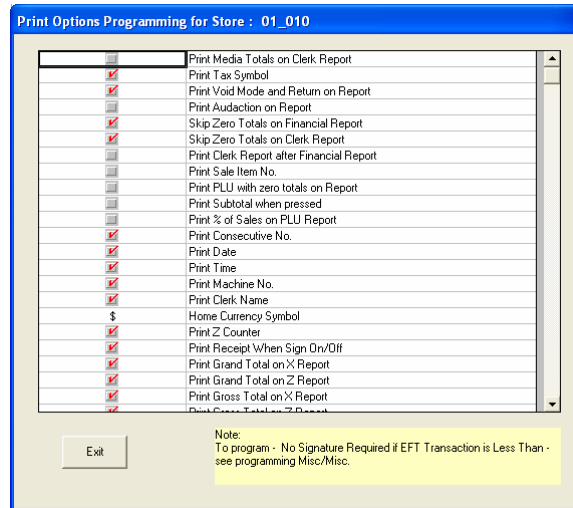


2. The current setting for each system option is displayed. Use the scroll box at the right to view all of the system options.
 - Edit fields with drop-down list boxes by opening the list box and selecting from the available options.
 - Edit fields with check boxes by clicking on the field to add or remove a check.
3. Click **Exit** to save changes and return to the main menu.

Print Options

Each print option can be edited. Refer to the *SAM4s ER-900 Operators and Program* for a complete description of your program options.

1. Choose **Print Options** from the *Edit ECR Data* menu. The appropriate *Print Options* dialog box displays:



2. The current setting for each print option is displayed. Use the scroll box at the right to view all of the print options.
 - Edit fields with drop-down list boxes by opening the list box and selecting from the available options.
 - Edit fields with check boxes by clicking on the field to add or remove a check.
3. Click **Exit** to save changes and return to the main menu.

Function Keys

You can program the different options for each function key. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Function Keys** from the *Edit ECR Data* menu. The appropriate *Function Keys* dialog box displays:

Descriptor	Price/Rate	Options	Function Key Table																																																																																																																																																						
NOSALE	0	☐ Disable Key ☐ Under Management Control ☐ Inhibit No Sale After Non-Add # ☐ Enforce # Entry at Start of Sale ☒ Print On No Sale ☐ Non-Add# Prohibited ☐ Compulsory Non-Add# Must Match Max Digit ☐ Print Non Add on Guest Check ☐ Max Digit (0 - 8)	<table border="1"> <tr><td>Nosale</td><td>Conv2</td><td>Macro 8</td><td>Table</td><td></td><td></td></tr> <tr><td>%1</td><td>Conv3</td><td>Macro 9</td><td>Tare</td><td></td><td></td></tr> <tr><td>%2</td><td>Conv4</td><td>Macro 10</td><td>Take Out</td><td></td><td></td></tr> <tr><td>%3</td><td>Drive Thru</td><td>Return</td><td>Tax Exmpt</td><td></td><td>Finalize</td></tr> <tr><td>%4</td><td>Eat In</td><td>Modifier 1</td><td>Tax 1</td><td></td><td>Payment</td></tr> <tr><td>%5</td><td>Error Corr</td><td>Modifier 2</td><td>Tax 2</td><td></td><td>Pay Tend</td></tr> <tr><td>%/Time</td><td>Food Shift</td><td>Modifier 3</td><td>Tax 3</td><td></td><td>Price Inq</td></tr> <tr><td>Add Check</td><td>Food Sbl</td><td>Modifier 4</td><td>Tax 4</td><td></td><td>Rcpt On/Off</td></tr> <tr><td>Cancel</td><td>Food Tend</td><td>Modifier 5</td><td></td><td></td><td>Inactive</td></tr> <tr><td>Cash</td><td></td><td>P/Bal</td><td>Tip</td><td></td><td>NonAdd#</td></tr> <tr><td>Charge1</td><td></td><td></td><td>Void</td><td></td><td>Jml Feed</td></tr> <tr><td>Charge2</td><td>Guest</td><td></td><td>Waste</td><td></td><td></td></tr> <tr><td>Charge3</td><td>PLU Key</td><td>PO 1</td><td></td><td></td><td></td></tr> <tr><td>Charge4</td><td>Level 1</td><td>PO 2</td><td>Valid</td><td></td><td></td></tr> <tr><td>Charge5</td><td>Level 2</td><td>PO 3</td><td></td><td></td><td></td></tr> <tr><td>Charge6</td><td></td><td>Paper Feed</td><td></td><td></td><td></td></tr> <tr><td>Charge7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Charge8</td><td></td><td>Pit Check</td><td></td><td></td><td></td></tr> <tr><td>Check Cash</td><td>Macro 1</td><td>Promo</td><td></td><td></td><td></td></tr> <tr><td>Endorse</td><td>Macro 2</td><td>RA 1</td><td></td><td></td><td></td></tr> <tr><td>Check</td><td>Macro 3</td><td>RA 2</td><td></td><td></td><td></td></tr> <tr><td>Check#</td><td>Macro 4</td><td>RA 3</td><td></td><td></td><td></td></tr> <tr><td>Clear</td><td>Macro 5</td><td>Subtotal</td><td></td><td></td><td></td></tr> <tr><td>Clerk</td><td>Macro 6</td><td>Scale</td><td></td><td></td><td></td></tr> <tr><td>Conv1</td><td>Macro 7</td><td>Service</td><td></td><td></td><td></td></tr> </table>	Nosale	Conv2	Macro 8	Table			%1	Conv3	Macro 9	Tare			%2	Conv4	Macro 10	Take Out			%3	Drive Thru	Return	Tax Exmpt		Finalize	%4	Eat In	Modifier 1	Tax 1		Payment	%5	Error Corr	Modifier 2	Tax 2		Pay Tend	%/Time	Food Shift	Modifier 3	Tax 3		Price Inq	Add Check	Food Sbl	Modifier 4	Tax 4		Rcpt On/Off	Cancel	Food Tend	Modifier 5			Inactive	Cash		P/Bal	Tip		NonAdd#	Charge1			Void		Jml Feed	Charge2	Guest		Waste			Charge3	PLU Key	PO 1				Charge4	Level 1	PO 2	Valid			Charge5	Level 2	PO 3				Charge6		Paper Feed				Charge7						Charge8		Pit Check				Check Cash	Macro 1	Promo				Endorse	Macro 2	RA 1				Check	Macro 3	RA 2				Check#	Macro 4	RA 3				Clear	Macro 5	Subtotal				Clerk	Macro 6	Scale				Conv1	Macro 7	Service			
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Charge2	Guest		Waste																																																																																																																																																						
Charge3	PLU Key	PO 1																																																																																																																																																							
Charge4	Level 1	PO 2	Valid																																																																																																																																																						
Charge5	Level 2	PO 3																																																																																																																																																							
Charge6		Paper Feed																																																																																																																																																							
Charge7																																																																																																																																																									
Charge8		Pit Check																																																																																																																																																							
Check Cash	Macro 1	Promo																																																																																																																																																							
Endorse	Macro 2	RA 1																																																																																																																																																							
Check	Macro 3	RA 2																																																																																																																																																							
Check#	Macro 4	RA 3																																																																																																																																																							
Clear	Macro 5	Subtotal																																																																																																																																																							
Clerk	Macro 6	Scale																																																																																																																																																							
Conv1	Macro 7	Service																																																																																																																																																							

2. Use the scroll box at the bottom of the screen to select the function key you wish to program or you can select a specific function from the table to go to that function's options.
3. The options for the specific function key are displayed. Make selections or changes as necessary.
 - Edit the descriptor field by clicking on the field, then type a new descriptor.
 - Edit the Price/Rate field by clicking on the field, then entering a new price or rate, whichever is appropriate.
 - Edit fields with drop-down list boxes by opening the list box and selecting from the available options.
 - Edit fields with check boxes by clicking on the field to add or remove a check.
4. If needed select additional function keys you wish to program.
5. Click **Exit** to save changes and return to the main menu.

Clerks

Clerk options are set here. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Clerks** from the *Edit ECR Data* menu. The appropriate *Clerk Programming* dialog box displays:

Clerk#	Description	Password	Drawer#	Train Clerk
1	CLERK 1	0	Drawer 1	No
2	CLERK 2	0	Drawer 1	No
3	CLERK 3	0	Drawer 1	No
4	CLERK 4	0	Drawer 1	No
5	CLERK 5	0	Drawer 1	No
6	CLERK 6	0	Drawer 1	No
7	CLERK 7	0	Drawer 1	No
8	CLERK 8	0	Drawer 1	No
9	CLERK 9	0	Drawer 1	No
10	CLERK 10	0	Drawer 1	Yes
11	CLERK 11	0	Drawer 1	No
12	CLERK 12	0	Drawer 1	No
13	CLERK 13	0	Drawer 1	No
14	CLERK 14	0	Drawer 1	No
15	CLERK 15	0	Drawer 1	Yes

Exit

2. The selections for each clerk are displayed. Make changes as needed.
 - Edit the descriptor field by double clicking on the field, then type a new descriptor.
 - Edit fields with numeric information by double clicking on the field, and then enter new data.
3. Click **Exit** to save changes and return to the main menu.

Logo Description

You can program a custom preamble, postamble and check endorsement message. You can also program unique descriptors for financial and clerk report totals. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Logo Descriptor** from the *Edit ECR Data* menu. The appropriate *Logo Programming* dialog box displays:

Logo Programming for Store : 01_010

Preamble Line 1	Preamble Message
Preamble Line 2	Six Lines
Preamble Line 3	12345678901234567890123456789012
Preamble Line 4	32 Characters Per Line
Preamble Line 5	
Preamble Line 6	
Postamble Line 1	Postamble Message
Postamble Line 2	Six Lines
Postamble Line 3	32 Characters Per Line
Postamble Line 4	
Postamble Line 5	
Postamble Line 6	
Endorsement Line 1	Endorsement Message
Endorsement Line 2	10 Lines
Endorsement Line 3	12345678901234567890123456789012
Endorsement Line 4	32 Characters Per Line
Endorsement Line 5	
Endorsement Line 6	
Endorsement Line 7	
Endorsement Line 8	
Endorsement Line 9	
Endorsement Line 10	

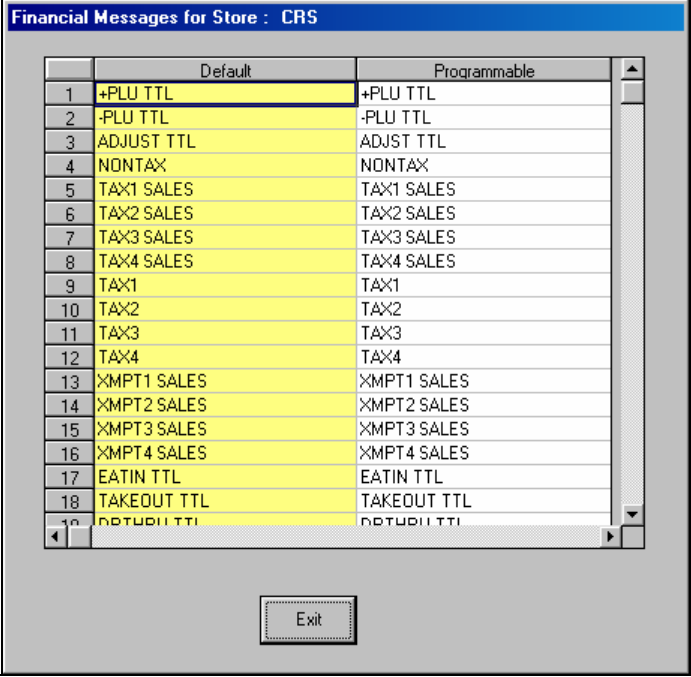
Exit

2. Use the scroll box at the right of the screen to view all of the logo descriptor fields.
3. Edit the descriptor fields by double clicking on the field, then type a new descriptor.
4. Click **Exit** to save changes and return to the main menu.

Financial Messages

You can also program unique descriptors for financial report totals. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program* for a complete description of your program options.

1. Choose **Financial Messages** from the *Edit ECR Data* menu. The appropriate *Financial Messages* dialog box displays:



The dialog box titled "Financial Messages for Store : CRS" contains a table with two columns: "Default" and "Programmable". The table lists 18 rows of financial descriptors. The first column is numbered 1 through 18. The second column contains the descriptor names. The third column contains the same descriptor names. The "Default" column is highlighted in yellow. The "Programmable" column is white. A scroll bar is on the right side of the table. An "Exit" button is at the bottom center.

	Default	Programmable
1	+PLU TTL	+PLU TTL
2	-PLU TTL	-PLU TTL
3	ADJUST TTL	ADJUST TTL
4	NONTAX	NONTAX
5	TAX1 SALES	TAX1 SALES
6	TAX2 SALES	TAX2 SALES
7	TAX3 SALES	TAX3 SALES
8	TAX4 SALES	TAX4 SALES
9	TAX1	TAX1
10	TAX2	TAX2
11	TAX3	TAX3
12	TAX4	TAX4
13	XMPT1 SALES	XMPT1 SALES
14	XMPT2 SALES	XMPT2 SALES
15	XMPT3 SALES	XMPT3 SALES
16	XMPT4 SALES	XMPT4 SALES
17	EATIN TTL	EATIN TTL
18	TAKEOUT TTL	TAKEOUT TTL
19	NETDUB11 TTL	NETDUB11 TTL

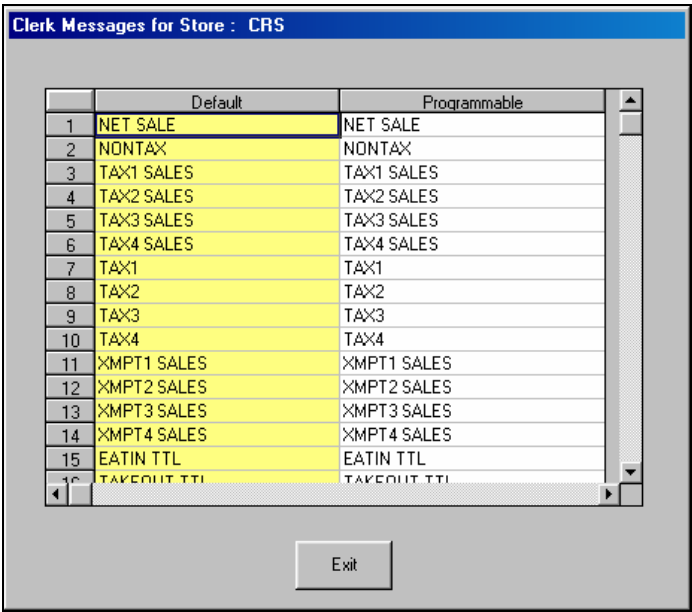
Exit

2. Use the scroll box at the right of the screen to view all of the descriptor fields.
3. Edit the descriptor fields by double clicking on the field, then type a new descriptor.
4. Click **Exit** to save changes and return to the main menu.

Clerk Messages

You can also program unique descriptors for clerk report totals. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program* for a complete description of your program options.

1. Choose **Clerk Messages** from the *Edit ECR Data* menu. The appropriate *Clerk Messages* dialog box displays:



2. Use the scroll box at the right of the screen to view all of the descriptor fields.
3. Edit the descriptor fields by double clicking on the field, then type a new descriptor.
4. Click **Exit** to save changes and return to the main menu.

Misc: NLU; Tare Weights; Port Options; Keyboard Layout/Macros; Drawer Limit; Machine No.; Check Change

NLU

NLUs are keys on the keyboard (like traditional department keys) that access specific PLUs. NLU #1 through NLU 300 are available for assignment to the keyboard.

On the default keyboard, the ER-925/ER-945 ECRs has 21 NLUs and is expandable to 63 NLUs. The ER-920/ER-940 has 100 NLUs. Each NLU key is assigned the same number PLU, i.e. NLU key number one is PLU #1. However, with this program, you can assign any PLU number you wish to any one of the NLU keys.

1. Choose **Misc** from the *Edit ECR Data* menu. Then from the cascading menu choose **NLU**. The appropriate *NLU Programming* dialog box displays:

NLU Programming for Store : 01_010

NLU#	PLU#
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

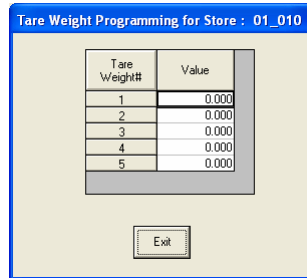
Exit

2. Use the scroll box at the right of the screen to view all of the NLUs.
3. To edit an NLU, type the PLU number you wish the NLU to address in the appropriate field.
4. Click **Exit** to save changes and return to the main menu.

Tare Weights

Up to 5 tare weights can be pre-programmed and entered automatically during register operations. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Misc** from the *Edit ECR Data* menu. Then from the cascading menu choose **Tare Weights**. The appropriate *Tare Weight Programming* dialog box displays:



Tare Weight#	Value
1	0.000
2	0.000
3	0.000
4	0.000
5	0.000

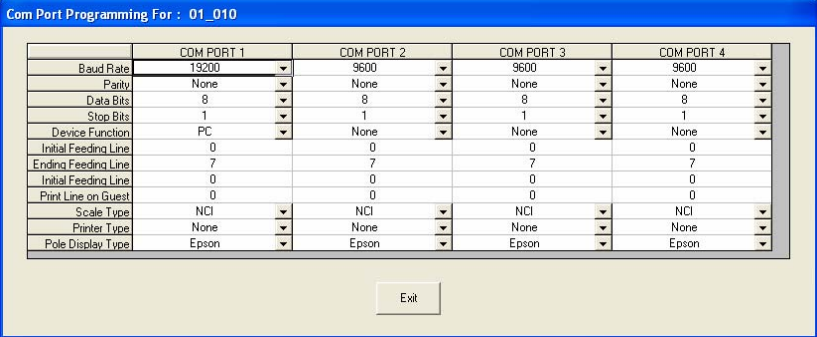
Exit

2. Enter a weight (up to 9.999 lbs) for each tare.
3. Click **Exit** to save changes and return to the main menu.

COM Port Options

Set options for the communications when you are connecting optional hardware to the register. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Misc** from the *Edit ECR Data* menu. Then from the cascading menu choose **COM Port 1 Option**. The *Serial Port Programming* dialog box displays:



The dialog box is titled "Com Port Programming For : 01_010". It contains a table with four columns: COM PORT 1, COM PORT 2, COM PORT 3, and COM PORT 4. The rows represent various communication settings. Below the table is an "Exit" button.

	COM PORT 1	COM PORT 2	COM PORT 3	COM PORT 4
Baud Rate	19200	9600	9600	9600
Parity	None	None	None	None
Data Bits	8	8	8	8
Stop Bits	1	1	1	1
Device Function	PC	None	None	None
Initial Feeding Line	0	0	0	0
Ending Feeding Line	7	7	7	7
Initial Feeding Line	0	0	0	0
Print Line on Guest	0	0	0	0
Scale Type	NCI	NCI	NCI	NCI
Printer Type	None	None	None	None
Pole Display Type	Epson	Epson	Epson	Epson

Exit

2. Fill the applicable fields for the device you are using. (Be sure to select the appropriate scale, printer, or pole display type, if necessary.)
 - Edit fields with drop-down list boxes by opening the list box and selecting from the available options.
 - Edit fields with numeric information by double clicking on the field, and then enter new data.
3. Click **Exit** to save changes and return to the main menu.

Keyboard Layout/Macros

Each key location on the register can be programmed for any available function. Follow the instructions on the screen, or refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Misc** from the *Edit ECR Data* menu. Then from the cascading menu choose **Keyboard Layout/Macros**. The appropriate *Keyboard Locations* dialog box displays:

Flat Keyboard Locations for Store: 01_009

Function Keys: 1 Taco Combo

Macro: 1 2 3 4 5 6 7 8 9 10

Macro Help

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1 Taco Combo	Disable V&R			PLU01	PLU01	Taco Tuesday	PLU01	\$1.99 Guac	\$2.49 Guac	PFEEED	NONADD #	ERRCORR	VOID	CLERK
2	2 Taco Combo	Cheese Quesadilla	Taco	Tamale	PLU02	PLU02	PLU02	PLU02	Chips & Salsa	PLU02	x1	RA1	F01	NO SALE	RETURN
3	3 Taco Combo	Meat Quesadilla	Steak/Fajita Taco	Hummus Pin.	PLU03	PLU03	PLU03	PLU03	Tortilla Soup	PLU03	x2	TKOUT	EATIN	DTHRH	CANCEL
4	4 Cks Enchilada	Meat	Vegete Taco		PLU04	PLU04	Jarrito	PLU04	Rice	Bean	x3	CHECK #	SERVICE	TABLE	PRINTCHK
5	5 Cks Enchilada	Burrito		Qdilo	PLU05	PLU05	Salsa	PLU05	PLU05	PLU05	x4	ADDCHK	TAB2	MSWCH	APIEX
6	Meat Enchilada Ref	Steak/Fajita Burrito		Mix	PLU06	PLU06	Hoisin Ck	PLU06	PLU06	PLU06	MACRO1	CLEAR	PLU	5/5TIME	DISCOVER
7	Meat Enchilada Ref	Vegete Burrito	Chimichanga	PLU07	PLU07	PLU07	Banillo Water	PLU07	PLU07	PLU07	MACRO2	[7]	[1]	[5]	VISA/PG
8	Chili Rubene	Vegete Burrito	Taco Salad	PLU08	PLU08	PLU08	Soy Sallad	PLU08	PLU08	PLU08	MACRO3	[4]	[5]	[6]	CHECK
9	Torta	Smoked Burrito	House Special	PLU09	PLU09	PLU09	Quesadilla	PLU09	PLU09	PLU09	MACRO4	[1]	[2]	[3]	SUBTOTAL
10	Beef Qdilo Roll	Beef & Qdilo Burrito		Salsa & Extra	PLU10	PLU10	Super Nachos	PLU10	PLU10	PLU10	MACRO5	[0]	[0]	[1]	CASH

Program Selected KB Cell To: Function Key Blank

Program Selected Macro String Cell To: Selected KB Cell Keylock VOID Keylock REG Keylock IXX Keylock Z Keylock PGM

Macro String

To Change a Key Function

The dialog box depicts the keyboard layout. The current function for each location is displayed. Use the scroll bar at the bottom and right to view all of the key positions. Yellow locations are fixed and cannot be changed. The current function for each programmable location is displayed.

1. To change a programmable location, open the Function Keys drop down list box and find the new function you wish to assign.
2. Highlight the cell that represents the key you wish to assign.
3. Select the "Program Selected KB Cell To:" **Function Key** button. (If you wish to inactivate a key, select the **Blank** button.)

Note: The PrintGrid button will print out a facsimile of the keyboard, but not a full-size keyboard sheet. If you wish to print out a full-size keyboard, go to Design Keyboard on the Utilities menu.

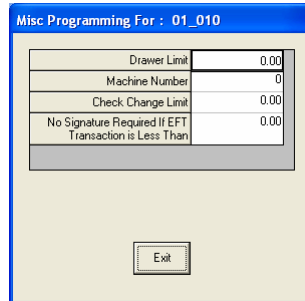
Programming Macros

1. Each Macro can execute a series of key sequences. Select the Macro number (1-10) and the Macro Key Sequence cell, and then select the key on the keyboard the macro is to execute, and then click the **Set Macro Cell to Keyboard Cell** button.
2. To have the macro change lock positions for the next keystroke, first select the lock position option button. Next, select the next Macro Sequence cell, and then click the **Set Macro Cell to Keylock Position** command button.

Misc

Here you can set a cash-in-drawer limit, machine number, and a check change limit. Refer to the *SAM4s ER-900 Operators and Program Manual* for a complete description of your program options.

1. Choose **Misc** from the *Edit ECR Data* menu. Then from the cascading menu choose **Misc**. The appropriate *Misc Programming* dialog box displays:



Misc Programming For : 01_010	
Drawer Limit	0.00
Machine Number	0
Check Change Limit	0.00
No Signature Required If EFT Transaction is Less Than	0.00

Exit

2. Double click on the option you wish to edit, and then enter a new value.
3. Click **Exit** to save changes and return to the main menu.

Mix and Match

- 1. Choose **Mix and Match** from the *Edit ECR Data* menu. The appropriate *Mix and Match* dialog box displays:

Mix and Match : 01_010

	Description	Trip Level	Price
1	DISCOUNT 1	3	1.00
2	DISCOUNT 2	0	0.00
3	DISCOUNT 3	0	0.00
4	DISCOUNT 4	0	0.00
5	DISCOUNT 5	0	0.00
6	DISCOUNT 6	0	0.00
7	DISCOUNT 7	0	0.00
8	DISCOUNT 8	0	0.00
9	DISCOUNT 9	0	0.00
10	DISCOUNT 10	0	0.00
11	DISCOUNT 11	0	0.00
12	DISCOUNT 12	0	0.00
13	DISCOUNT 13	0	0.00
14	DISCOUNT 14	0	0.00
15	DISCOUNT 15	0	0.00
16	DISCOUNT 16	0	0.00
17	DISCOUNT 17	0	0.00
18	DISCOUNT 18	0	0.00
19	DISCOUNT 19	0	0.00
20	DISCOUNT 20	0	0.00

Exit

- 2. You can give the discount a specific name/descriptor. Set the trip level to indicate how many items to ring before the discount is applied. Set the discount amount in the price field. (As shown above, a \$1 discount will apply after three items are registered.)
- 3. Click **Exit** to save changes and return to the main menu.

Stock

Upload stock from the ECR first. All PLUs will populate this screen. For stock items, edit quantities as needed, and then download to the ECR.

1. Choose **Stock** from the *Edit ECR Data* menu. The *Stock Programming* dialog box displays with a list of all PLU items and current stock levels for stock items.

Stock Programming for Store : 01_010

PLU#	Descriptor	Status	QTY
0000000000000001	PLU1	C	0.00
0000000000000002	PLU2	A	0.00
0000000000000003	PLU3	A	0.00
0000000000000004	PLU4	A	0.00
0000000000000005	PLU5	A	0.00
0000000000000006	PLU6	A	0.00
0000000000000007	PLU7	A	0.00
0000000000000008	PLU8	A	0.00
0000000000000009	PLU9	A	0.00
0000000000000010	PLU10	A	0.00
0000000000000011	PLU11	A	0.00
0000000000000012	PLU12	A	0.00
0000000000000013	PLU13	A	0.00
0000000000000014	PLU14	A	0.00
0000000000000015	PLU15	A	0.00
0000000000000016	PLU16	A	0.00
0000000000000017	PLU17	A	0.00
0000000000000018	PLU18	A	0.00
0000000000000019	PLU19	A	0.00
0000000000000020	PLU20	A	0.00
0000000000000021	PLU21	A	0.00
0000000000000022	PLU22	A	0.00
0000000000000023	PLU23	A	0.00
0000000000000024	PLU24	A	0.00

You can sort the columns in ascending or descending order. Click the column header to sort by that column.

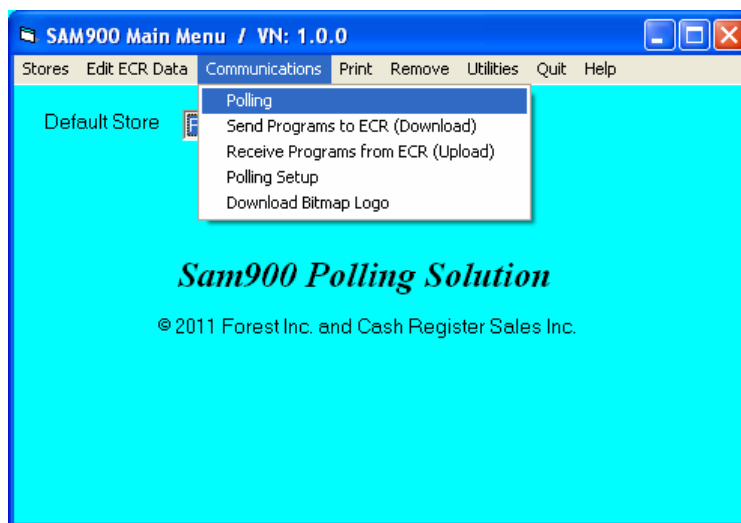
If a PLU is missing a descriptor, the PLU is probably not in the PLU file. Go into Edit PLU to create the PLU.

Exit

2. You can edit quantities here and send to the ECR.
3. When complete, click **Exit**. These quantities can be sent to the register from Communications/Send Programs to ECR (Download).

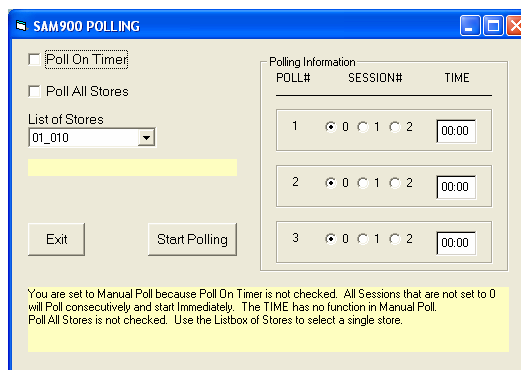
Communications

- ◆ Choose **Communications** from the Main menu to initiate communications with a SAM4s ER-900 series ECR.



Polling

1. Choose **Polling** from the *Communications* menu to connect to the store to poll reports. The *SAM900 Polling* dialog box will display.



Note: Polling setup file must be completed first. See “Polling Setup File” on page 41.

2. Complete the fields on the Polling Routine window according to the table below:

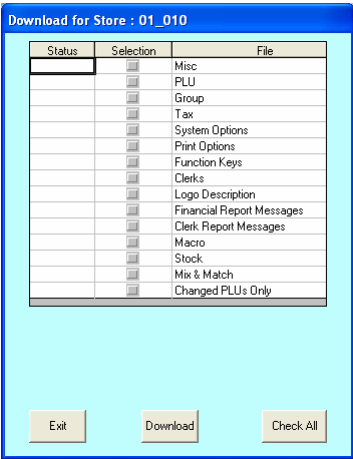
Field Name	Required /Optional	Description/Instructions
<i>Poll On Timer</i>	O	Select the Poll On Timer checkbox to start polling in consecutive order beginning with Poll 1 at the defined time. If not selected, polling is manual and will begin immediately.
<i>Poll All Stores</i>	O	Select the <i>Poll All Stores</i> checkbox to poll all stores. If not selected, enter an individual store to poll in the <i>Listbox of Stores</i> field.
<i>List of Stores</i>	O	Select an individual store to poll if the <i>Poll All Stores</i> check box is not selected.
<i>Timer</i>	O	Enter the military time the polling session is to begin if unattended polling is to be done.
<i>Session</i>	R	Select the polling session, 0 - 2. Polling will proceed in consecutive order by session number.

3. Click the **Start Polling** button to begin polling; click **Exit** to exit the dialog box.

Note: The polling setup must be completed before a store can be polled. See “Polling Setup File” on page 41.

Send Programs to ECR (Download)

1. Choose **Send Programs to ECR (Download)** from the *Communications* menu to send program information from the working store, to the ECR of the working store.



2. From the *Download* dialog box, select the program components you wish to send to the ECR. (Click **Check All** to select all components.) A check mark means the item is selected.
3. Click the **Download** button to initiate the download to the ECR; click **Exit** to exit the window. The *Status* field will monitor the progress of the download for each program component. *Passed* will display in green when the program is successfully downloaded; *Fail* will display in red if the download is unsuccessful.

Receive Programs from ECR (Upload)

1. Choose **Receive Programs from ECR (Upload)** from the *Communications* menu to receive program information from the ECR for the working store. When you execute this function, any program data that was on the hard disk previously will be overwritten by the new data.



2. From the *Upload* dialog box, select the program components you wish to send to the ECR. (Click **Check All** to select all components.) A check mark means the item is selected.
3. Click the **Upload** button to initiate the download to the ECR; click **Exit** to exit the window. The *Status* field will monitor the progress of the upload for each program component. *Passed* will display in green when the program is successfully uploaded; *Fail* will display in red if the upload is unsuccessful.

Polling Setup File

1. Choose **Polling Setup File** from the *Communications* menu to define the reports to be taken when polling is initiated.

File	X1	Z1	X2	Z2
Financial	☐	☒	☐	☐
Time	☐	☐	☐	☐
PLU	☐	☒	☐	☐
Clerks	☐	☒	☐	☐
Groups	☐	☐	☐	☐
Day	☐	☐	☐	☐
Stock	☐	☐	☐	☐
Electronic Journal	☐	☐	☐	☐
Open Check	☐	☐	☐	☐

Exit

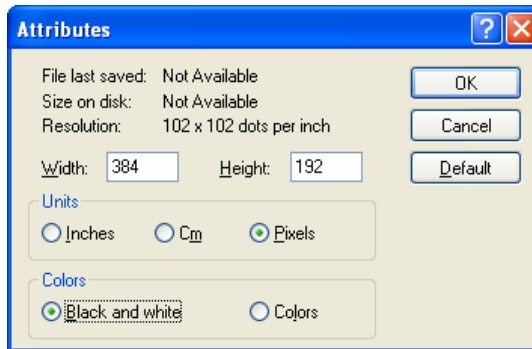
2. Click the **Session 1** or **Session 2** tabs to display the reports for the session.
3. At the heading of each column, view the type of report (i.e. X1, Z1, etc.) Then, indicate by selecting the check boxes in the column for the specific reports of that type you wish to take.
4. Click **Exit** to save changes and return to the main menu.
5. To poll, see “Polling” on page 37, “Send Programs to ECR (Download)” on page 39, or “Receive Programs from ECR (Upload)” on page 40.

Download Bitmap Image

Preparing a Graphic Logo Bitmap for an ER-900 Series ECR

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

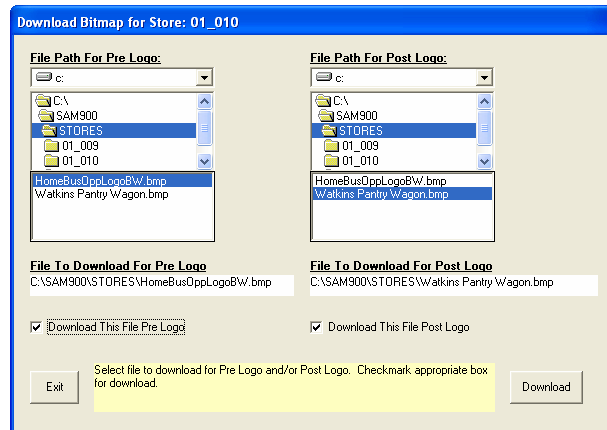
1. Open MS Paint.
2. Open the image file you wish to use.
3. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays.



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.)

Download a Graphic Logo to an ER-900 Series ECR

1. Choose **Download Bitmap Image** from the *Communications* menu. The appropriate *Download Bitmap* dialog box displays:



2. Select the folder where the bitmap file you wish to use is located. Select the Pre Logo bitmap file on the left and select the Post Logo bitmap on the right.
3. Select the *Download This File Pre Logo* and/or *Download This File Post Logo* checkboxes.
4. Click the **Download** button. When the logo loads successfully, the download finished message displays after a short delay.

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

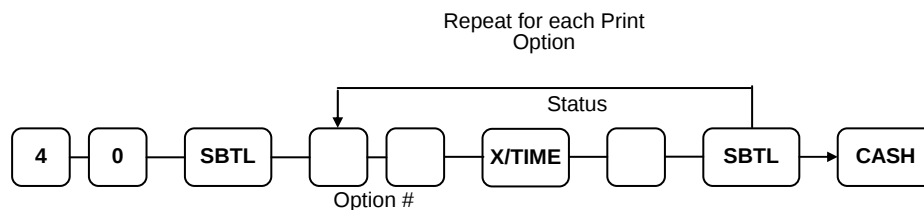
Printing the Logo Image – ER-900 Settings Series ECR

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.

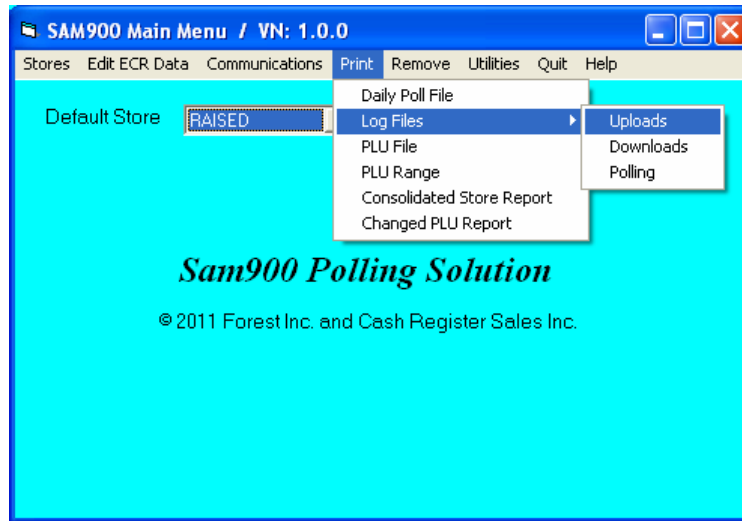
Option #29 – Add the value of 1 to address 29 if you wish to print the pre graphic logo on the guest check. Add the value of 2 to address 29 if you wish to print the post graphic logo on the guest check.

Print Option Flowchart (P Key Lock Position)



Print

- ◆ Choose **Print** from the Main menu to access the printing utilities described below.



Daily Poll File

1. Choose **Daily Poll File** from the *Print* menu to print out the poll file of a given day. The *Daily Poll* dialog box displays.

	Count	Amount
+PLU TTL	87.00	545.85
ADJST TTL	87.00	545.85
TAX1 SALES	0	545.85
TAX2 SALES	0	1.11
TAX3 SALES	0	1.11
TAX4 SALES	0	1.11
NET SALE	25	545.85
GROSS SALES	0	545.85
CASH SALES	25	545.85
CASH-IN-D	25	545.85
DPMR TTL	25	545.85
GRAND TOTAL	0	545.85
<End Report>		
PLU#	Count	Amount
1 Taco Combo	0000000000000001	76.33

2. Complete the *Daily Poll* dialog box according to the table below:

Field Name	Required /Optional	Description/Instructions
<i>Polling Date</i>	R	Select the polling date from the drop-down list box.
<i>Remove Zero Total Lines</i>	O	Select the Remove Zero Total Lines check box if you wish totals with zero values skipped.
<i>Report Type</i>	O	Select the report type from the drop-down list box. If no report type is selected, <i>SAM900</i> will display all reports for the specified date and key lock mode.
<i>Keylock Mode</i>	O	Select the mode of the report. If no key lock mode is selected, <i>SAM900</i> will display all reports for the specified date and report type.
<i>Store to Display</i>	R	Select the store you wish to display.
<i>Grid Lines</i>	O	Click the <i>Grid Lines</i> button to print/display the selected report with or without grid lines
<i>White/Gray</i>	O	Click the <i>White/Gray</i> button to print/display the selected report with or without shaded fields.

3. Click the **Load Table** button to view the selected report.
4. With the report in view, click the **Print Table** button to print the report.
5. Click **Exit** to return to the main menu.

Log Files

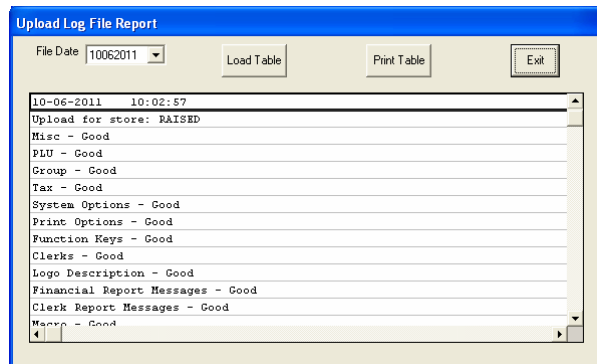
For error checking you can choose **Log File** from the *Print* menu to view and/or print out the upload, download or poll log file of a given day.

Note: Log files are stored in ord by mm/dd/yyyy. For example, if you wish to view logs and you have files from the same day in different years, they will as:

06/06/2007
06/06/2008
06/06/2009
06/07/2007
06/07/2008, etc.

Uploads

1. Choose **Log Files** from the *Print* menu, then choose **Uploads** to view and/or print the log of a given day. The *Upload Log File Report* dialog box for the selected store displays.



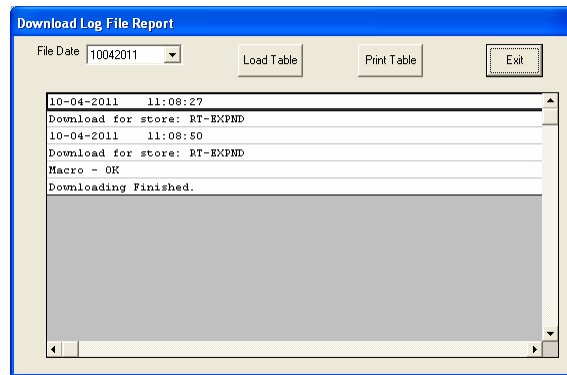
2. Type or select a date from the *File Date* list box.
3. Click the **Load Table** button to load the table for the selected file date.
4. Click the **Print Table** button to print the table.

Downloads

Note: Log files are stored in chronological order by mm/dd/yyyy. For example, if you wish to view logs and you have files from the same day in different years, they will as:

06/06/2007
06/06/2008
06/06/2009
06/07/2007
06/07/2008, etc.

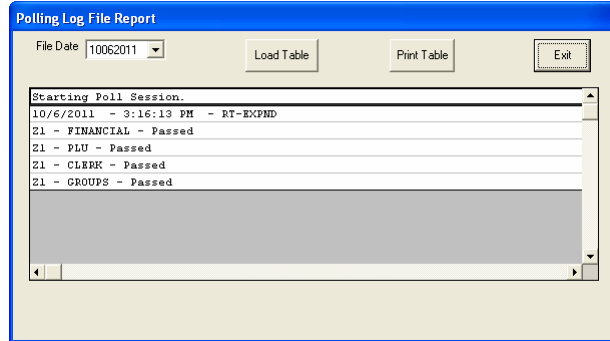
1. Choose **Log Files** from the *Print* menu, and then choose **Downloads** to view and/or print the download log of a given day. The *Download Log File Report* dialog box for the selected store displays.



2. Type or select a date from the *File Date* list box.
3. Click the **Load Table** button to load the table for the selected file date.
4. Click the **Print Table** button to print the table.

Polling

1. Choose **Log Files** from the *Print* menu, and then choose **Polling** to view and/or print the polling activity of a given day. The *Polling Log File Report* dialog box for the selected store displays.



2. Select the polling date from the drop-down list box.
3. Click the **Load Table** button to view the selected file date log.
4. With the report in view, click the **Print Table** button to print the report.
5. Click **Exit** to return to the main menu.

PLU File

1. Choose **PLU File** from the *Print* menu to display and print out the PLU file of the working store. The *PLU File* dialog box displays.

PLU File for Store :01_009

PLU#	PRICE1	PRICE2	GRP #1	GRP #2	GRP #3	PRE-SET	OVER-RIDE	NEGA-TIVE	FS ELIGI-BLE
000000000000003 3 Taco Combo	6.79	0.00	3	0	0	Y	Y	N	N
000000000000005 3 Chz Enchilladas	6.79	0.00	3	0	0	Y	Y	N	N
000000000000007 Meat Enchilada Gn	7.29	0.00	3	0	0	Y	Y	N	N
000000000000009 Torta	5.95	0.00	3	0	0	Y	Y	N	N
000000000000008 Chile Bellano	7.29	0.00	3	0	0	Y	Y	N	N
000000000000006 Meat Enchilada Red	7.29	0.00	3	0	0	Y	Y	N	N
000000000000004 2 Chz Enchal Taco	6.79	0.00	3	0	0	Y	Y	N	N
000000000000002 2 Taco Combo	5.69	0.00	3	0	0	Y	Y	N	N
000000000000001 1 Taco Combo	4.79	0.00	3	0	0	Y	Y	N	N
000000000000014 Nachos	4.79	0.00	7	0	0	Y	Y	N	N
000000000000015 Burrito	6.19	0.00	1	0	0	Y	Y	N	N
000000000000017 Veggie Burrito	5.29	0.00	1	0	0	Y	Y	N	N
000000000000018 Veg/Fajita Buritto	5.49	0.00	1	0	0	Y	Y	N	N
000000000000019 SmoChered Burrito	7.79	0.00	1	0	0	Y	Y	N	N
000000000000016 Stk/Fajita Burrito	6.49	0.00	1	0	0	Y	Y	N	N
000000000000012 Cheese Quesadilla	4.79	0.00	4	0	0	Y	Y	N	N
000000000000013 Meat Quesadilla	5.79	0.00	4	0	0	Y	Y	N	N
000000000000011 Disable V & R	1.11	0.00	1	0	0	Y	Y	N	N
000000000000010 Beef Chile Bellano	7.49	0.00	3	0	0	Y	Y	N	N

Exit Sort By PLU# Sort By Descriptor Print File

2. Click the **Sort by PLU #** button to view the file sorted by PLU #; click the **Sort by Descriptor** button to view the file sorted by descriptor.
3. Use the scroll bar at the *right* of the grid to scroll up or down the PLUS list.
Use the scroll bar at the *bottom* of the grid to view the remaining PLU options.
4. Click the **Print File** button to print the file.
5. Click **Exit** to return to the main menu.

PLU Range

1. Choose **PLU Range** from the *Print* menu to display and print out a specific range of the PLU file of the working store. The *PLU File* dialog box displays.

PLU File for Store :01_009

From PLU [0000000000000001] To PLU [000000000000300]

PLU#	PRICE1	PRICE2	GRP #1	GRP #2	GRP #3	PRE-SET	OVER-RIDE	NEGA-TIVE	FS ELIG BL
0000000000000001 1 Taco Combo	4.79	0.00	3	0	0	Y	Y	N	N
0000000000000002 2 Taco Combo	5.69	0.00	3	0	0	Y	Y	N	N
0000000000000003 3 Taco Combo	6.79	0.00	3	0	0	Y	Y	N	N
0000000000000004 2 Chz Enchal Taco	6.79	0.00	3	0	0	Y	Y	N	N
0000000000000005 3 Chz Enchilladas	6.79	0.00	3	0	0	Y	Y	N	N
0000000000000006 Meat Enchilada Red	7.29	0.00	3	0	0	Y	Y	N	N
0000000000000007 Meat Enchilada Gn	7.29	0.00	3	0	0	Y	Y	N	N
0000000000000008 Chile Rellano	7.29	0.00	3	0	0	Y	Y	N	N
0000000000000009 Torta	5.95	0.00	3	0	0	Y	Y	N	N
0000000000000010 Beef Chile Rellano	7.49	0.00	3	0	0	Y	Y	N	N
0000000000000011 Disable V & R	1.11	0.00	1	0	0	Y	Y	N	N
0000000000000012 Cheese Quesadilla	4.79	0.00	4	0	0	Y	Y	N	N
0000000000000013 Meat Quesadilla	5.79	0.00	4	0	0	Y	Y	N	N
nnnnnnnnnnnnnn14 Nachos	4.79	0.00	7	0	0	Y	Y	N	N

Exit Load Grid Print File

2. Enter or select the From PLU and To PLU numbers.
3. Click the **Load Grid** button to view the selected PLUs.
4. Click the **Print File** button to print the file.
5. Click **Exit** to return to the main menu.

Consolidated Store Report

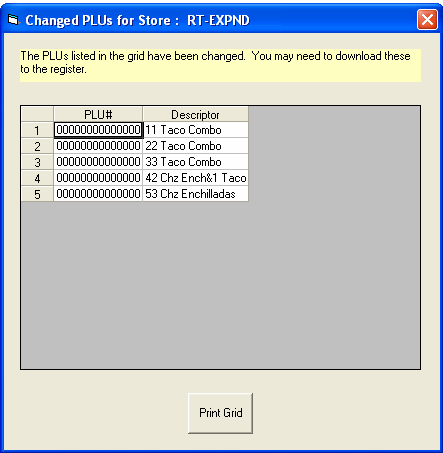
1. Choose **Consolidated Store Report** from the *Print* menu to display and print out a consolidated financial, PLU and group reports for the selected stores. The *Consolidated Store Report* dialog box displays.

FINANCIAL REPORT - 10/10/2011 To 10/10/2011				RAISED	RT-EXPND	RAISED11	TOTAL
+PLU TTL							
	Count	26.00	21.00				47.00
	Amount	119.99	112.13				232.12
ADJST TTL							
	Count	26.00	21.00				47.00
	Amount	119.99	112.13				232.12
MONTAX							
	Count	6.00	1.00				7.00
TAX1 SALES							
	Amount	119.99	112.13				232.12
TAX2 SALES							
	Amount	1.11	2.22				3.33
TAX3 SALES							
	Amount	1.11	2.22				3.33
TAX4 SALES							
	Amount	1.11	2.22				3.33
NET SALE							
	Count	3.00	3.00				6.00

2. Chose the Polling Date from the drop down list for the reports you wish to consolidate.
3. Chose the Report Type (Financial, PLU, or Groups) from the drop down list for your consolidated report.
4. Use the scroll bar to select specific stores to include in the consolidated report. Double-click on the store to add that store to the consolidated report.
5. Click on Load Table to load the consolidated store report.
6. Click on the Grid Lines icon to toggle between displaying grid lines on the table and not.
7. Click on the White/Gray icon to toggle between showing the descriptors in white or gray.
8. Click on the Print Table icon to print the consolidated store report.
9. Click on Exit to return to the main menu.

Changed PLU Report

1. Choose **Changed PLU Report** from the *Print* menu to display and print out a list of PLUs that have been changed and may need to be downloaded to the register.

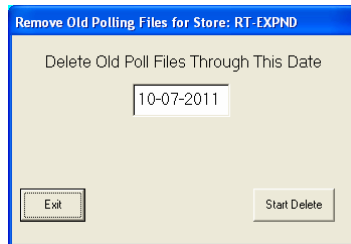


2. Choose **Print Grid** to print the list.
3. Choose Send Programs to the ECR (Download) from the Communicatons menu if you wish to initiate a download.
4. Click on **Exit** to return to the main menu.

Remove

Old Poll Files

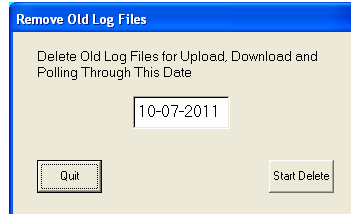
1. Choose **Old Poll Files** from the *Remove* menu to delete unwanted poll files. The *Remove Old Polling Files* dialog box displays.



2. Enter the date through which you want old poll files deleted. The message "FINISHED" will display when completed.
3. Click **Exit** to return to the main menu.

Log Files (Upload, Download, Poll)

1. Choose **Log Files (Upload, Download, Poll)** from the *Remove* menu to delete unwanted poll log files. The *Remove Old Log Files* dialog box will display.

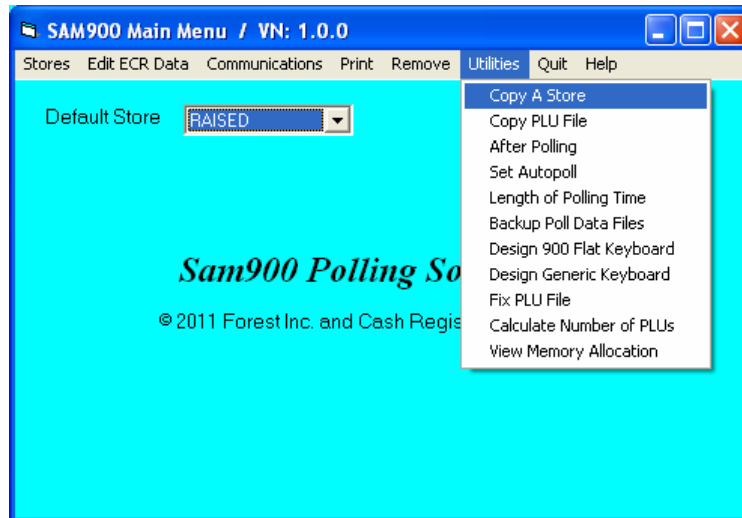


2. Enter the date through which you want old log files deleted. The message "FINISHED" will display when completed.
3. Click **Quit** to return to the main menu.

Note: Removing files cannot be undone. Once files are removed, they cannot be restored. Before removing Old Poll Files you may wish to back up the poll data (choose **Backup Poll Data Files** from the **Utilities** menu).

Utilities

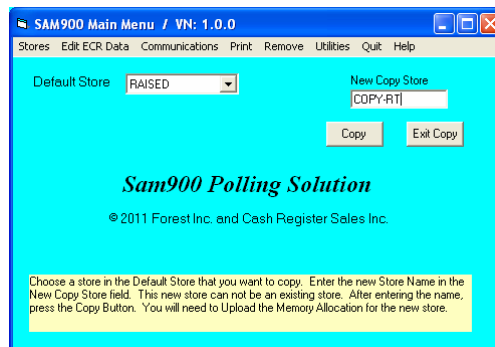
- ◆ Choose **Utilities** from the Main menu to access the utilities described below.



Copy a Store

Use the Copy a Store function to create a new store with the identical attributes of an existing store.

1. Choose **Copy a Store** from the *Utilities* menu.

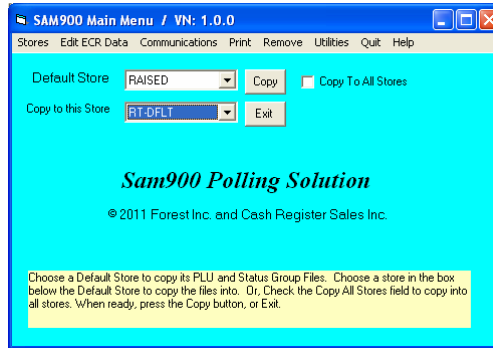


2. Select the store that you wish to copy from by clicking the Default Store field drop-down list box.
3. Enter the name of the store you wish to create in the *New Copy Store* field.
4. Click the **Copy** button to create a new store with identical attributes as the default store. After selecting this option, the main SAM900 screen will display. The new store will be available in the store list.
5. Click the **Exit Copy** button to return to the main menu without creating a new store.

Copy PLU File

Use the Copy a PLU File function to copy a PLU file to an individual store or all stores.

1. Choose **Copy a PLU File** from the *Utilities* menu.



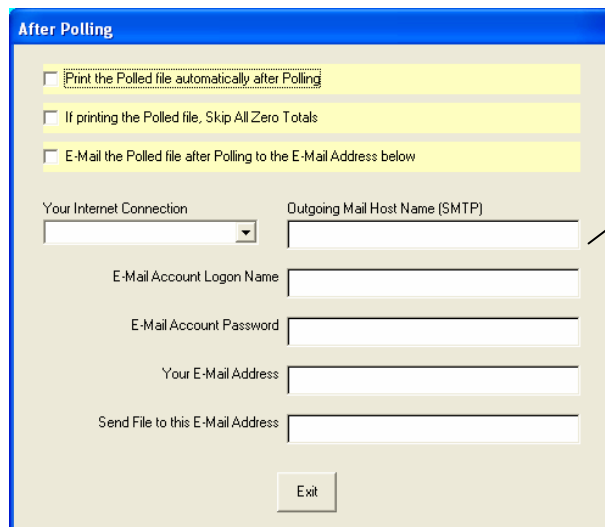
2. Select the store that you wish to copy the PLU file from by clicking the Default Store field drop-down list box.
3. Select the name of the store you wish the PLU file copied to in the *Copy PLU File to this Store* field, or click the *Copy To All Stores* check box.
4. Click the **Copy** button to copy the PLU file to the selected store or all stores. The default screen is loaded when the copy is complete.
5. Click the **Exit** button to return to the main menu without copying the PLU file to any other store.

After Polling

You can program SAM900 to send your polled files to the printer immediately after polling, or have the polled files sent automatically by e-mail to a preselected e-mail address.

Note: Not all ISP's are compatible with the After Poll feature of SAM900. For example, AOL is not compatible with After Polling; AT&T and Road Runner have been tested.

1. Choose **After Polling** from the *Utilities* menu. The *After Polling* dialog box for the selected store displays.



Fill these fields only if the “E-mail the Polled file after Polling to the E-Mail Address below” check box is selected.

2. Click on the check boxes to select Printing or E-mailing the polled file after polling.
3. Select an option from the Your Internet Connection drop down list ONLY IF YOU ARE USING A DIAL-UP CONNECTION.
4. Type in your Outgoing Mail Host Name (SMTP) in the appropriate location. See “Determining the SMTP” on the next page. If you have trouble locating the host name, please contact your e-mail provider. The host names vary greatly depending on the provider.
5. Type in your E-mail Account Logon Name.
6. Type in your E-mail Account Password.
7. Type in your E-mail Address.
8. Type in the address you wish to send the polled reports to in the text box labeled Send File to this E-mail Address.
9. Click on Exit to return to the main menu and save your changes.
10. Start Polling. After polling is completed, the polled file will be emailed to the selected address in the After Polling area.

Determining the SMTP

SMTP is short for Simple Mail Transfer Protocol. If your computer is on a Network see your System Administrator for the SMTP.

The SMTP can be found various ways depending on which Internet Provider and what operating system is used.

Example #1: If you are using Windows XP and Outlook/Outlook Express the SMTP can be found by following the steps below:

1. From the PC desktop click **Start** and then **Programs**.
2. Click on **Outlook Express**.
3. Click on **Tools**.
4. Click on **Accounts**.
5. Click on **Mail**. (The Internet Providers name will appear if it is active.)
6. Click on **Properties**. The incoming and outgoing SMTP's will be displayed. Log the Out Going SMTP characters exactly as they appear. Enter this set of characters exactly as they appear in the "Outgoing Mail Host Name" field.

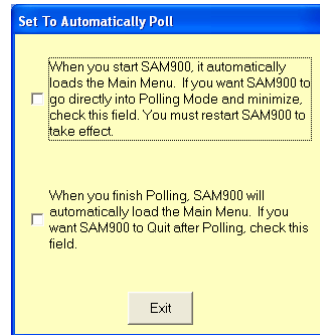
Example #2: If you are using Windows XP, the SMTP can be found by following the steps below:

1. From the PC desktop click **Start** and then **Programs**.
2. Select the Internet Provider Program i.e. **AT&T Connection Services**, then **Customer Care**, and then **System Information**.
3. Click **Account Information** to display the SMTP. Enter this set of characters exactly as they appear in the "Outgoing Mail Host Name" field.

Set Auto Poll

You can set *SAM900* to automatically go into polling mode when the program is started. You can also set *SAM900* to automatically close when polling is completed.

1. Choose **Set Autopoll** from the *Utilities* menu. The *Set to Automatically Poll* dialog box displays.

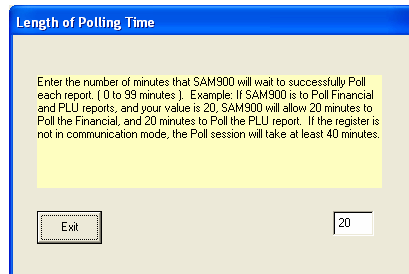


2. Select the first check box if you wish to automatically poll when *SAM900* is executed. Select the second check box if you wish to close *SAM900* automatically when polling is completed.
3. Click **Exit**.
4. Close *SAM900* and then restart it for changes to take effect.

Note: If you have checked both of these options and wish to turn them off, go to Start/Programs/SAM900/AUTOPOLL.exe, uncheck the boxes and then restart SAM900.

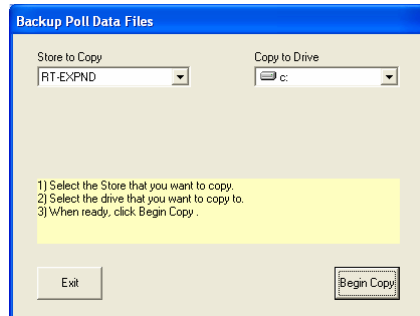
Length of Polling Time

You can set a time period that SAM900 will wait to successfully poll each report. Leave this value at the default setting of '20' unless you encounter difficulty polling.

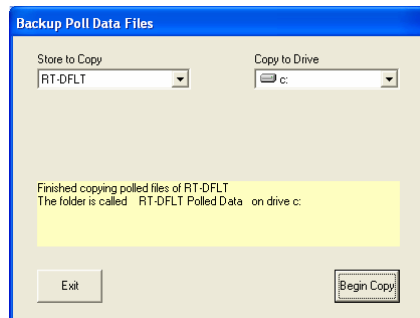


Backup Poll Data Files

Use this utility to backup polled data files to another disk drive. Follow the screen instructions.



When finished, the screen displays:

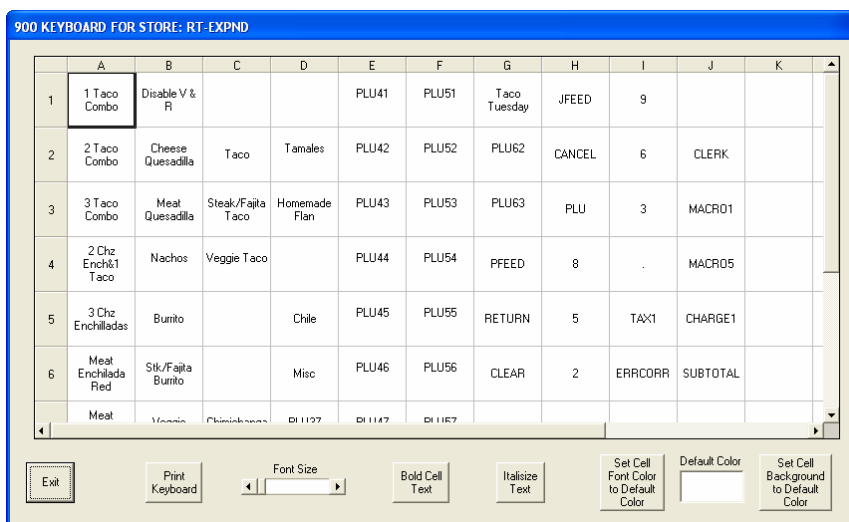


A new file is created at c:\<Store Name> Polled Data.

Design ER-920/ER-940 Keyboards

This utility allows you to design and print a key legend sheet for the ER-900 Series flat keyboard. If you are using a color inkjet printer and legal size paper, you can print a high-quality keyboard suitable for your installation.

1. Choose **Design 900 Flat Keyboard** from the *Utilities* menu. The appropriate *Keyboard* dialog box displays:

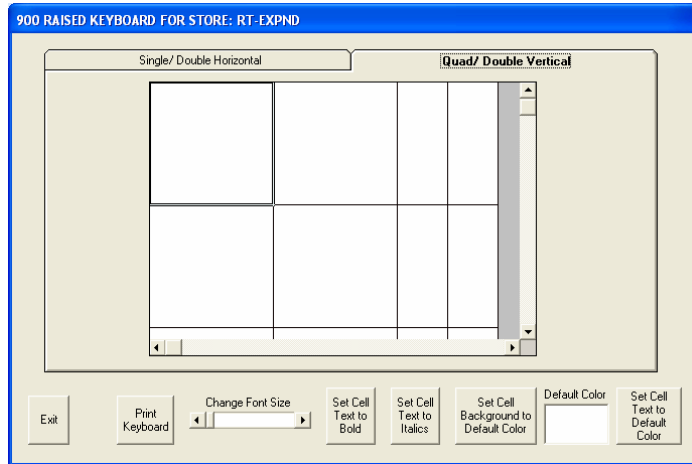


2. The dialog box depicts the keyboard layout. Use the scroll bar at the bottom and right to view all of the key positions.
3. Move the cursor the position you wish to edit and click. Type the text for the item. The text will automatically center when a new position is selected.
4. Click on the **Default Color** display to choose the default color. Click on one of the color samples and click on **OK** to set the color selected as default.
5. Select a key position or group of key positions and click on the **Set Cell Text Font Color to Default Color** icon to set the cell(s) text to the color selected as default.
6. Select a key position or group of key positions and click on the **Set Cell Background to Default Color** icon to set the cell(s) background to the color selected as default.
7. Select a key position or group of key positions and click on the **Bold Cell Text** or **Italicize Text** icon to display the cell(s) text to Bold or Italics. Click on the icon again to reverse the change.
8. Select a key position or group of key positions and modify the cell(s) font size with the **Font Size** scroll bar.
9. Click on the **Print Keyboard** icon to print the keyboard.
10. Click **Exit** to save changes and return to the main menu.

Design Generic Keyboard

This utility allows you to design and print keychecks for the ER-925/ER-945. If you are using a color inkjet printer, you can print a high-quality keychecks suitable for your installation.

1. Choose **Design Generic Keyboard** from the *Utilities* menu. The appropriate *Keyboard* dialog box displays:

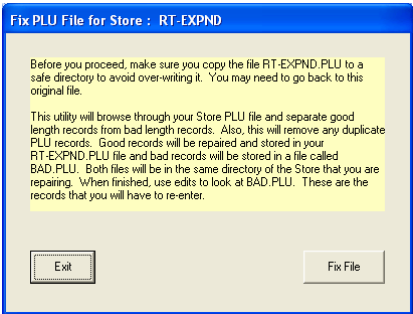


2. The dialog box displays a matrix of single and double size keychecks. Use the scroll bar at the bottom and right to view the entire matrix.
3. Move the cursor the position you wish to edit and click. Type the text for the item. The text will automatically center when a new position is selected.
4. Click on the **Default Color** display to choose the default color. Click on one of the color samples and click on **OK** to set the color selected as default.
5. Select a key position or group of key positions and click on the **Set Cell Text Font Color to Default Color** icon to set the cell(s) text to the color selected as default.
6. Select a key position or group of key positions and click on the **Set Cell Background to Default Color** icon to set the cell(s) background to the color selected as default.
7. Select a key position or group of key positions and click on the **Bold Cell Text** or **Italicize Text** icon to display the cell(s) text to Bold or Italics. Click on the icon again to reverse the change.
8. Select a key position or group of key positions and modify the cell(s) font size with the **Font Size** scroll bar.
9. Click on the **Print Keyboard** icon to print the keychecks.
10. Click **Exit** to save changes and return to the main menu.

Fix PLU File

This utility looks for PLUs with improper PLU structure. Review the detailed instructions on the screen

1. Choose **Fix PLU File** from the *Utilities* menu. The *Fix PLU File* dialog box for the selected store displays.

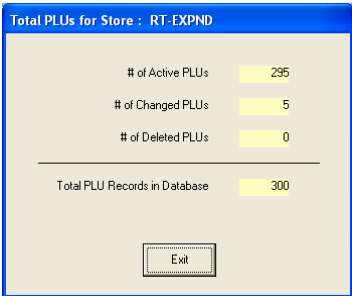


2. Click **Fix File**.
3. Click the **Exit** button to return to the main menu.

Calculate Number of PLUs

You can view the total number of PLUs in the database. The number of changed and deleted PLUs are tracked.

1. Choose **Calculate Number of PLUs** from the *Utilities* menu. The *Total PLUs* dialog box for the selected store displays.

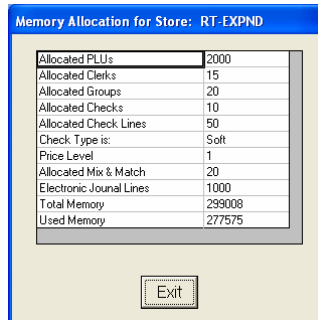


2. Click the **Exit** button to return to the main menu.

View Memory Allocation

Note: Memory allocation cannot be edited at SAM900 or downloaded to the ECR from SAM900.

1. Choose **View Memory Allocation** from the *Utilities* menu to display the memory allocation of the store's ECR.



Allocated PLUs	2000
Allocated Clerks	15
Allocated Groups	20
Allocated Checks	10
Allocated Check Lines	50
Check Type is:	Soft
Price Level	1
Allocated Mix & Match	20
Electronic Journal Lines	1000
Total Memory	299008
Used Memory	277575

Exit

2. Click **Exit** to return to the main menu.

Quit

- ◆ Choose **Quit** from the Main menu to exit *SAM900 For Windows*.

Appendices

Structure of Stores

When you create a new store, you actually create a new sub-directory under the directory *SAM900* for the store. If you create a store named **BIGBOYS**, the following will be created:

1. A directory named `\SAM900\STORES\BIGBOYS`
This directory holds all the programming files for this store.
2. A directory named `\SAM900\STORES\BIGBOYS\POLL`
This directory holds all the daily polling files for this store.

File Definitions

<u>File Extension</u>	<u>Definition</u>
PLU	PLU (converted to edit form)
PLT	PLU (Upload/Download Raw)
GRU	GROUP
TAX	TAX
SYO	SYSTEM OPTIONS
PRO	PRINT OPTION
FKY	FUNCTION KEY
CLK	CLERK
LGO	LOGO DESCRIPTION
FIN	FINANCIAL DESCRIPTORS
CKD	CLERK LOGO
MRO	MACRO
MSC	MISC
MM	MIX AND MATCH
INF	STORE HISTORY FILE
MEM	MEMORY ALLOCATION
STT	STOCK (Upload/Download Raw)
STK	STOCK (Converted to edit)

SAM900 PLU File Structure

<Storename>.PLU

SAM900 PLU FILE STRUCTURE

<Storename>.PLU

<u>FIELD</u>	<u>STAR</u> <u>T</u>	<u>LENGT</u> <u>H</u>	
STATUS	1	1	A,C,D
PLU#	2	15	
DESCRIPTION	17	18	
GROUP1	35	2	
GROUP2	37	2	
GROUP3	39	2	
NEGATIVE ITEM	41	1	
FOOD STAMP	42	1	
TAX4	43	1	
TAX3	44	1	
TAX2	45	1	
TAX1	46	1	
OVERRIDE PRESET	47	1	
PRESET	48	1	
AUTO SCALE	49	1	
SCALABLE	50	1	
DISABLE	51	1	
INVENTORY	52	1	
GALLONAGE	53	1	

NON-ADD# COMP	54	1
SINGLE ITEM	55	1
HASH	56	1
DISABLE PROMO	57	1
PRINT PRICE/CHECK	58	1
PRINT PRICE/RECEIPT	59	1
PRINT ON CHECK	60	1
Not Used	61	1
PRINT ON RECEIPT	62	1
COMP. CONDIMENT	63	1
CONDIMENT	64	1
Not Used	65	5
Disable Void & Return	70	1
PRESET OVER-MGT	71	1
RESET COUNTER	72	1
AUTO TARE (1-5)	73	1
LINK PLU	74	15
MIX & MATCH	89	2
PRICE1	91	7
PRICE2	98	7
CR/LF	105	2
TOTAL REC LENGTH		106

<Storename>.STK

<u>FIELD</u>	<u>STAR</u>	<u>LENGT</u>	
	<u>I</u>	<u>H</u>	
STATUS	1	1	A,C,D
PLU#	2	15	
QUANTITY	17	6	
CR/LF	23	2	
TOTAL REC LENGTH		24	

Structure of Polling Files

When you poll, the session will always create a poll file with the date as the name of the file. For example, if you poll on 09-23-1996, for store **BIGBOYS**, the session will create a file on the hard disk named `\SAM900\STORES\BIGBOYS\POLL\09231996.POL`. If you poll this store a second time on the same day, it will append the data to the end of the existing file.

The structure of the poll file is as follows:

- All data is **ASCII**.
- A polling session for a store is everything that is done from the moment the PC calls the store, up to the hang-up with the store.
- The first line saved to disk of any polling session is:

```
BIGBOYS/09-23-1996/20:12:39
```

- The first three characters on the line is ASCII character decimal 16, a right arrow. This designates that this is the start of the polling session. The name of the store follows, a forward slash, the date, a forward slash, and the time in hours, minutes and seconds.
- The last line of the entire session will be saved as:

```
<END SESSION>
```

- The last three characters of the line is ASCII character decimal 17, a left arrow. This designates that this is the end of the polling session.
- If you do not define any elements in your polling session, you would have a polled file that would look something like this:

```
BIGBOYS/09-23-1996/20:12:39  
<END SESSION>
```

- When you define your polling session by choosing elements in the store's session data, the polled data will be save below line 1:

```
BIGBOYS/09-23-1996/20:12:39
```

and before the last line:

```
<END SESSION>
```

- The time and date on the first line of the session is the time and date that the session started. The second line in the file is the element that was polled. The line ends with a time and date stamp. This stamp is when the ECR was actually pre-poll. This stamp can be different than the header stamp (line 1). If the software finished pre-poll and the session ended abruptly, then next time that you poll (possibly a day later) you sill read the data sitting in the prepoll area.

- The first line saved for each element is 2 right arrow characters followed by the key lock mode, a forward slash and the report title. For example: X1/FINANCIAL
- The last line saved for every element is :

<END REPORT>

This line ends with 2 left arrow characters.

- All data for the given element will appear between the 2 lines with 2 arrows. Data lines do not start with any arrows.
- The Clerk report will use a single arrow to designate the data pertaining to the clerk. A clerk report can have up to 99 clerks, so we have to be able to distinguish from clerk from another. See the example that follows.

Let's say our session consisted of the two elements: X1/PLU and X1/Groups. Your file \SAM900\STORES\BIGBOYS\POLL\03172003.POL should look like this:

```

BIGBOYS  /03-17-2003/14:26:45
X1/PLU
PLU#          Count    Amount
PLU1      0001         1.00     1.00
PLU2      0002         1.00     1.00
PLU3      0003         1.00     1.00
PLU4      0004         1.00     1.00
PLU5      0005         1.00     1.00
PLU6      0006         0.00     0.00
PLU7      0007         0.00     0.00
....
Totals          5.00     5.00
<End Report>
X1/GROUPS
Group#        Count    Amount
GROUP 1          5.00     5.00
GROUP 2          0.00     0.00
GROUP 3          0.00     0.00
GROUP 4          0.00     0.00
GROUP 5          0.00     0.00
GROUP 6          0.00     0.00
GROUP 7          0.00     0.00
GROUP 8          0.00     0.00
GROUP 9          0.00     0.00
GROUP 10         0.00     0.00
GROUP 11         0.00     0.00
GROUP 12         0.00     0.00
GROUP 13         0.00     0.00
GROUP 14         0.00     0.00
GROUP 15         0.00     0.00
GROUP 16         0.00     0.00
GROUP 17         0.00     0.00
GROUP 18         0.00     0.00
GROUP 19         0.00     0.00

```

GROUP 20	0.00	0.00
Totals	5.00	5.00
<End Report>		
<End Session>		

Sample Reports

Financial Report

CRS /03-20-2003/11:03:07		
X1/FINANCIAL		
	Count	Amount
+PLU TTL	47.00	280.15
-PLU TTL	0.00	0.00
ADJST TTL	47.00	280.15
NONTAX	37	259.19
TAX1 SALES	0	20.96
TAX2 SALES	0	0.00
TAX3 SALES	0	0.00
TAX4 SALES	0	0.00
TAX1	0	0.00
TAX2	0	0.00
TAX3	0	0.00
TAX4	0	0.00
XMPT1 SALES	0	0.00
XMPT2 SALES	0	0.00
XMPT3 SALES	0	0.00
XMPT4 SALES	0	0.00
EATIN TTL	2	2.00
TAKEOUT TTL	0	0.00
DRTHRU TTL	0	0.00
% 1	0	0.00
% 2	0	0.00
% 3	0	0.00
% 4	0	0.00
% 5	0	0.00
NET SALE	20	280.15
CREDIT TAX1	0	0.00
CREDIT TAX2	0	0.00
CREDIT TAX3	0	0.00
CREDIT TAX4	0	0.00
FD/S CREDIT	0	0.00
RETURN	2	-6.00
ERROR CORR	0	0.00
PREVIOUS VD	1	-1.00
VOID MODE	0	0.00
CANCEL	2	10.00
GROSS SALES	0	286.15
CASH SALES	14	56.95
CHECK SALES	1	200.00
R/A 1	1	29.99
R/A 2	0	0.00
R/A 3	0	0.00
P/O 1	1	-5.00
P/O 2	0	0.00
P/O 3	0	0.00
HASH TTL	0	0.00
AUDACTION	2	-6.00
NOSALE	1	0
CASH-IN-D	15	51.95
CHECK-IN-D	2	229.99
FD/S-IN-D	0	0.00
CHG1-IN-D	3	8.20
CHG2-IN-D	2	15.00
CHG3-IN-D	0	0.00
CHG4-IN-D	0	0.00
CHG5-IN-D	0	0.00
CHG6-IN-D	0	0.00
CHG7-IN-D	0	0.00

CHG8-IN-D	0	0.00
CHG1 SALES	3	8.20
CHG2 SALES	2	15.00
CHG3 SALES	0	0.00
CHG4 SALES	0	0.00
CHG5 SALES	0	0.00
CHG6 SALES	0	0.00
CHG7 SALES	0	0.00
CHG8 SALES	0	0.00
FOREIGN 1	0	0.00
FOREIGN 2	0	0.00
FOREIGN 3	0	0.00
FOREIGN 4	0	0.00
DRWR TTL	22	305.14
PROMO	0	0.00
WASTE	0	0.00
TIP	0	0.00
TRAIN TTL	0	0.00
BAL FORWARD	0	0.00
GUESTS	0	0.00
P/BAL	0	0.00
CHECKS PAID	0	0.00
SERVICE	0	0.00
MIX&MATCH	0	0.00
PAYMENT TTL	0	0.00
GRAND TOTAL	0	286.15
<End Report>□□		

Time Report

□□X1/TIME		
□Hour	Count	Amount
00:00 - 00:59	0	0.00
01:00 - 01:59	0	0.00
02:00 - 02:59	0	0.00
03:00 - 03:59	0	0.00
04:00 - 04:59	0	0.00
05:00 - 05:59	0	0.00
06:00 - 06:59	0	0.00
07:00 - 07:59	0	0.00
08:00 - 08:59	0	0.00
09:00 - 09:59	0	0.00
10:00 - 10:59	9	222.20
11:00 - 11:59	9	57.95
12:00 - 12:59	0	0.00
13:00 - 13:59	0	0.00
14:00 - 14:59	0	0.00
15:00 - 15:59	2	0.00
16:00 - 16:59	0	0.00
17:00 - 17:59	0	0.00
18:00 - 18:59	0	0.00
19:00 - 19:59	0	0.00
20:00 - 20:59	0	0.00
21:00 - 21:59	0	0.00
22:00 - 22:59	0	0.00
23:00 - 23:59	0	0.00
TOTALS	20	280.15
<End Report>□□		

PLU Report

X1/PLU		Count	Amount
PLU#			
BLT	0001	6.00	7.99
HAMBURGER	0002	4.00	4.19
PLU3	0003	2.00	3.00
PLU4	0004	3.00	6.00
PLU5	0005	1.00	10.00
PLU6	0006	0.00	0.00
PLU7	0007	3.00	0.00
LEINENKUGEL	0008	4.00	10.99
MOOSEHEAD	0009	4.00	0.99
NO MAYO	0010	0.00	0.00
MEDIUM WELL	0011	0.00	0.00
LETTUCE	0012	0.00	0.00
TOMATO	0013	0.00	0.00
PLU14	0014	0.00	0.00
PLU15	0015	0.00	0.00
PLU16	0016	0.00	0.00
PLU17	0017	1.00	0.00
PLU18	0018	3.00	5.99
PLU19	0019	0.00	0.00
PLU20	0020	0.00	0.00
PLU21	0021	0.00	0.00
PLU22	0022	0.00	0.00
PLU23	0023	0.00	0.00
PLU24	0024	0.00	0.00
PLU25	0025	0.00	0.00
PLU26	0026	2.00	6.00
PLU27	0027	0.00	0.00
LARGE PIZZA	0028	0.00	0.00
PEPPERONI	0029	0.00	0.00
MUSHROOM	0030	0.00	0.00
<End Report>			

Clerk Report

(Data for One Clerk Only)

X1/CLERK		Count	Amount
Clerk#			
CLERK 1			
NET SALE		20	280.15
NONTAX		37	259.19
TAX1 SALES		0	20.96
TAX2 SALES		0	0.00
TAX3 SALES		0	0.00
TAX4 SALES		0	0.00
TAX1		0	0.00
TAX2		0	0.00
TAX3		0	0.00
TAX4		0	0.00
XMPT1 SALES		0	0.00
XMPT2 SALES		0	0.00
XMPT3 SALES		0	0.00
XMPT4 SALES		0	0.00
EATIN TTL		2	2.00
TAKEOUT TTL		0	0.00
DRTHRU TTL		0	0.00
% 1		0	0.00
% 2		0	0.00
% 3		0	0.00
% 4		0	0.00
% 5		0	0.00
CREDIT TAX1		0	0.00
CREDIT TAX2		0	0.00
CREDIT TAX3		0	0.00
CREDIT TAX4		0	0.00
FD/S CREDIT		0	0.00
RETURN		2	-6.00
ERROR CORR		0	0.00
PREVIOUS VD		1	-1.00
VOID MODE		0	0.00
CANCEL		2	10.00

GROSS SALES	0	286.15
CASH SALES	14	56.95
CHECK SALES	1	200.00
R/A 1	1	29.99
R/A 2	0	0.00
R/A 3	0	0.00
P/O 1	1	-5.00
P/O 2	0	0.00
P/O 3	0	0.00
HASH TTL	0	0.00
CASH-IN-D	15	51.95
CHECK-IN-D	2	229.99
FD/S-IN-D	0	0.00
CHG1 SALES	3	8.20
CHG2 SALES	2	15.00
CHG3 SALES	0	0.00
CHG4 SALES	0	0.00
CHG5 SALES	0	0.00
CHG6 SALES	0	0.00
CHG7 SALES	0	0.00
CHG8 SALES	0	0.00
FOREIGN 1	0	0.00
FOREIGN 2	0	0.00
FOREIGN 3	0	0.00
FOREIGN 4	0	0.00
DRWR TTL	22	305.14
PROMO	0	0.00
WASTE	0	0.00
TIP	0	0.00
TRAIN TTL	0	0.00
BAL FORWARD	0	0.00
GUESTS	0	0.00
P/BAL	0	0.00
CHECKS PAID	0	0.00
SERVICE	0	0.00
NOSALE	1	0
MIX&MATCH	0	0
PAYMENT TTL	0	0

Group Report

X1/GROUPS		
Group#	Count	Amount
GROUP 1	47.00	280.15
GROUP 2	0.00	0.00
GROUP 3	0.00	0.00
GROUP 4	0.00	0.00
GROUP 5	0.00	0.00
GROUP 6	0.00	0.00
GROUP 7	0.00	0.00
GROUP 8	0.00	0.00
GROUP 9	0.00	0.00
GROUP 10	0.00	0.00
GROUP 11	0.00	0.00
GROUP 12	0.00	0.00
GROUP 13	0.00	0.00
GROUP 14	0.00	0.00
GROUP 15	0.00	0.00
GROUP 16	0.00	0.00
GROUP 17	0.00	0.00
GROUP 18	0.00	0.00
GROUP 19	0.00	0.00
GROUP 20	0.00	0.00
Totals	47.00	280.15
<End Report>		

Troubleshooting Common Problems

Hardware

- Refer to “Cabling Diagrams” on page 75 to verify that your direct or modem connection cable is configured properly.
- Verify that the hardware key is in place. SAM900 will not start if the key is not found. In addition, SAM900 will check for the key at various times during an edit/polling session. If the key is loose, or has been removed, the program will shut down.

Note: US Robotics Sportster™ Modems are recommended for remote connections (for both PC and ECR sites).

Software

- Verify that register software and SAM900 versions are compatible. Due to changes in program structures between various register versions, incompatibility issues may arise.

SAM4s ER 900 Series

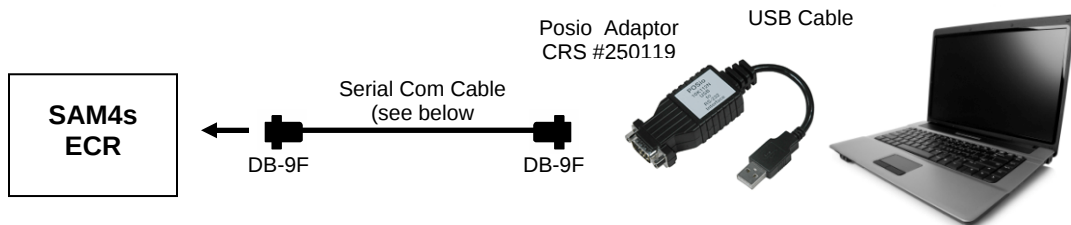
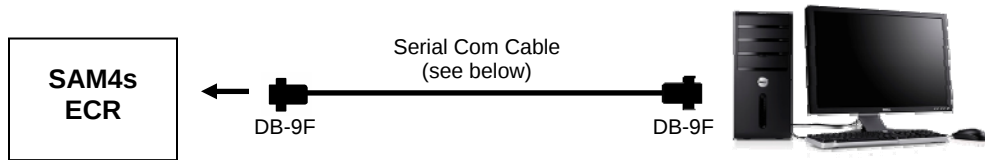
- The register port must be set for PC communication. (See Service Mode RS232C port programming.)
- A clerk must be signed on.
- Verify that the port settings at the ER-900 are all default (9600 BAUD, NO PARITY, 8 DATA BITS, 1 STOP BIT) and that SAM900 is set the same.

SAM900 Software

- Create a new store by selecting **Create New** from the *Stores* menu. See "Creating a New Store" on page 11.
 - ⇒ Set the correct Communication Port and BAUD rate. Be sure that the BAUD rate is identical to that set in the register port.
 - ⇒ **Only enter a phone** number here if you are using a modem to poll data.
 - ⇒ If your PC is using any *Microsoft Windows™* operating systems or any software application that has a communications-port configured, (for example a modem, mouse or other device) you may have to check on these settings to make sure there is not a conflict on the same communications port.
 - ⇒ Enter information in the *Modem Initial String* field only if you have a modem that needs to be properly configured to communicate.
- Verify that store files are uploaded in SAM900. You must Receive (Upload) information from the ECR. Refer to "Receive Programs from ECR (Upload)" on page 40.
- If problems persist, try rebooting the PC.
- If you have trouble loading a program from SAM900 to a register, be sure the register memory allocation is set large enough for each file.

Cabling Diagrams

Typical SAM ECR to PC Connections

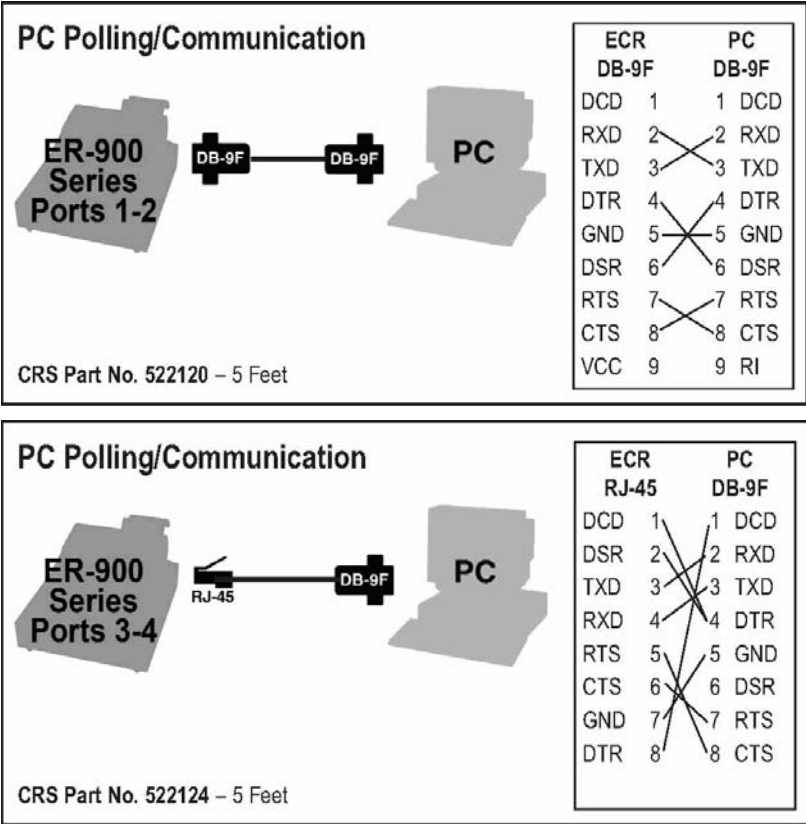


Note: If you are connecting the ECR to a PC or Laptop that has no serial port, you must use a USB to Serial adaptor as shown above. CRS offers a USB to Serial adaptor from *Perle* that has been tested and is known to work with SAM polling software products.

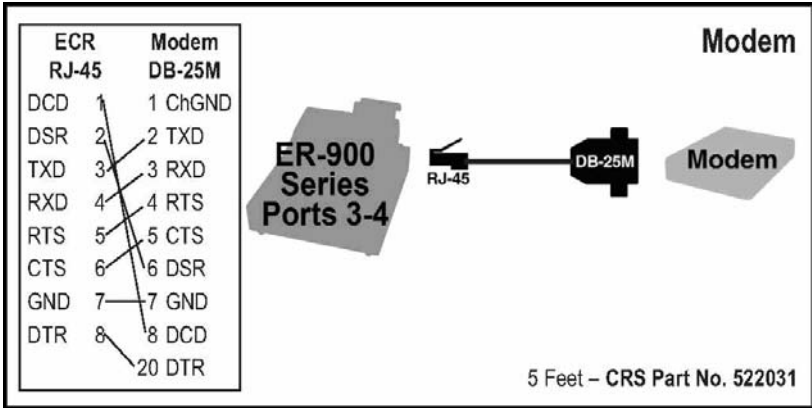
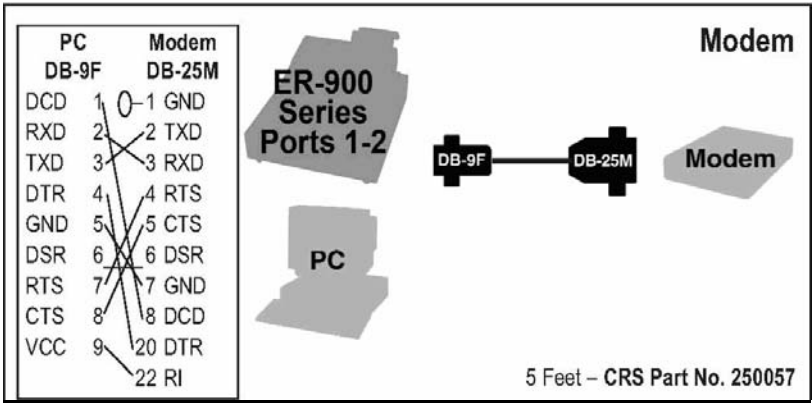
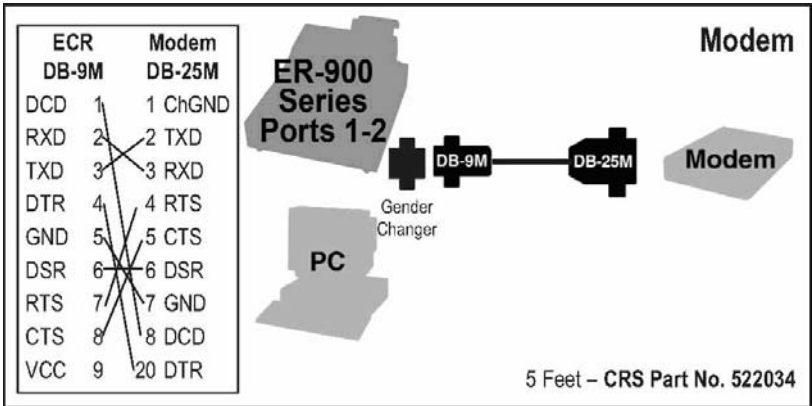
Cable Pinouts

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



Modem Connections



Manual Revision Record

Edition	Date published	Revision contents
V1.0	12/15/2011	Initial publication
V1.1	1/24/2012	Update After Polling instructions