Samsung ER 5200 Series

SAM52
User's Manual

CRS, Inc.

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Cash Register Sales, Inc.

• 2003

Contents

Introduction

Overview

Features

SAM52 controls the connection between a Samsung ER 5200 Series (ER-5215, ER5240, or ER-5200) electronic cash register and an IBM compatible PC running in a Windows 95/98/2000 environment. Using *SAM52* at your PC, you can:

- Connect directly or via telephone modems.
- 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.
- *SAM52* 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).
- CD ROM drive.
- VGA or SVGA display.
- Windows 95 or above operating system.
- US Robotics Sportster™ Modems are recommended for remote connections (for both PC and ECR sites.)

Installing

Note: The software key must be installed on the LPT port for *SAM52* for Windows to run.
Software can be installed on a PC without the key, but it cannot be used.

1. Load the *Sam52* program CD into your CD drive.

2. From the Windows Desktop, choose 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. Click **OK** to restart your PC.

11. Remove the CD from the drive, your installation is complete.

Cash Register Settings

To communicate with your *Samsung ER-5200 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.

1. Turn the control lock to the **S** position.

2. Enter **8 0** and press the **SBTL** key.

3. Enter **5** and press the **X/TIME** key. (Refer to the chart RS-232C option chart that follows.)

4. Enter **1** (the value for PC) and press the **CASH** key.

5. Press **CASH** to exit the program.

Repeat for another Index

| 8 | 0 | SBTL | OPTION | XTIME | VALUE | CASH | CASH |
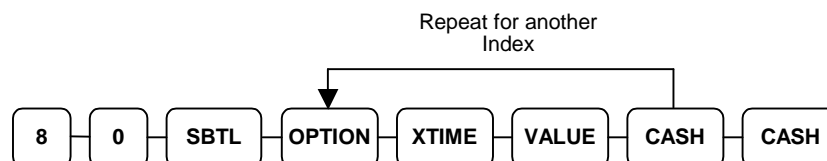
RS-232 Option Chart

Address	Option	Value	Selection
1	Baud Rate	0	9600 BPS
		1	1200 BPS
		2	2400 BPS
		3	4800 BPS
		4	19200 BPS
2	Parity	0	NONE
		1	ODD
		2	EVEN
3	Data Bits	0	8 BITS
		1	7 BITS
4	Stop Bits	0	1 BIT
		1	2 BIT
5	Device Function	0	NONE
		1	PC
		2	SCALE
		4	Receipt Printer
		5	Not used
		7	COIN
		9	Pole Display
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
11	Printer Type	0	NONE
		1	SAMSUNG SRP-100
		2	SRP-250
		3	SRP-300
		4	SRP-350
		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-5200 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 71.

- 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.

It is not necessary to manually place the register in PC Communications mode. SAM52 will automatically place the register in PC Communications mode when communications are initiated.

Starting

1. Click the **Start** button, click **Programs**, click **Sam52**, and then click **Sam52.exe**.

2. The *SAM52* main screen displays.
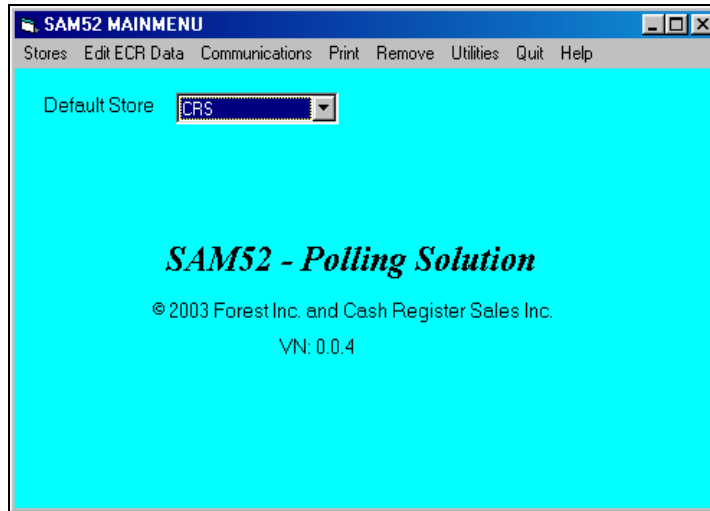
YOU MUST DO THIS FIRST!

Before you can attempt communications or editing, you must create at least one store. Refer to "Creating a New Store" on page 10.

After creating a store, you must Receive (Upload) information from the ECR. Refer to "Receive Programs from ECR (Upload)" on page 39.

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

SAM52 MAINMENU

Stores   Edit ECR Data   Communications   Print   Remove   Utilities   Quit   Help

Polling
Send Programs to ECR (Download)
Receive Programs from ECR (Upload)
Polling Setup

Default Store

SAM52 - Polling Solution

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VN: 0.0.4
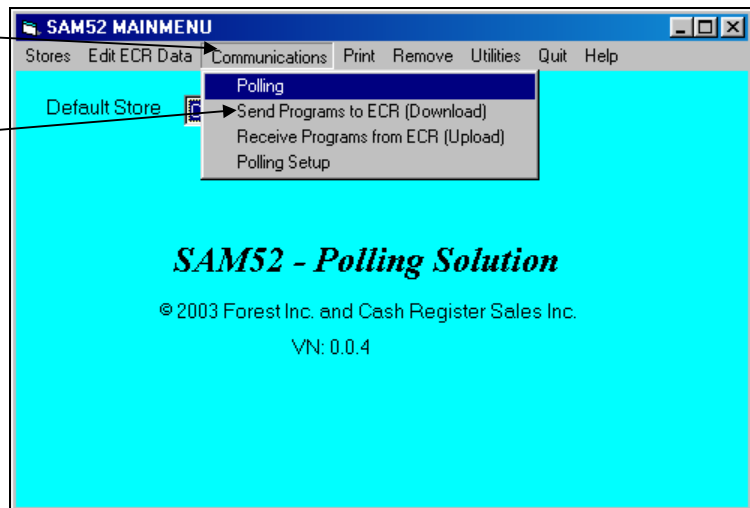
Cascading Menus

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.

Arrow

Cascading Menu
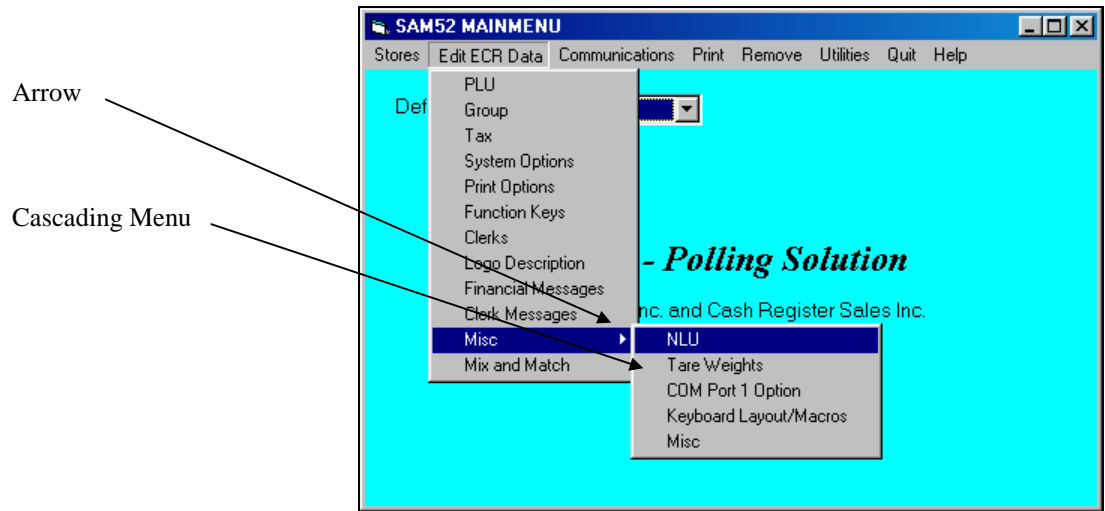
Drop-Down List Boxes

♦ 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.)

PLU Lookups
PLU#
0001 ▼ ←——————— Click here
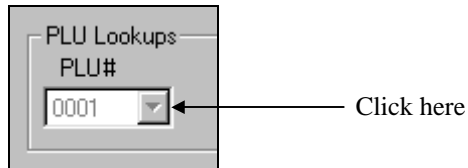
Check Boxes

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

☑ Preset

☑ Preset Override
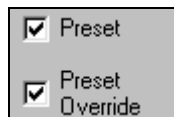
Option Buttons

♦ 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.

Use Computer Com Port#
⊙ 1 ○ 2 ○ 3 ○ 4
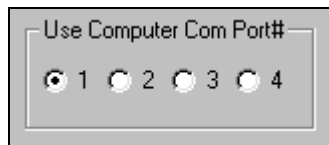
Scrolling

♦ 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.
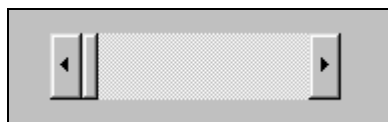
Interface Specifications

Communications Specifications

Asynchronous Operation

Communication Mode	Half Duplex
Baud Rate	Select: 2400, 4800, or 9600 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.

2. Complete the *Create New Store* dialog according to the Store Information table below:

Store Information

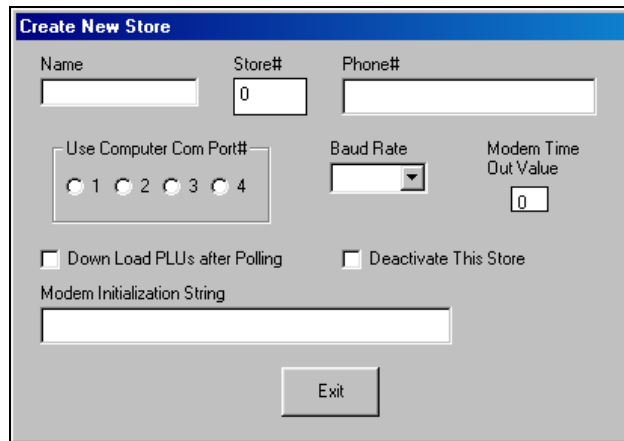| Field Name	Required /Optional	Description/Instructions
Name	**R**	Enter an eight-character store name.
Store#	**O**	Enter a four digit number store number.
Phone#	**O**	Enter the Phone number preceded by the letter **T** or **P** if you intend to communicate with the register by modem. The **T** is for TONE and the **P** is for PULSE. If you communicate direct, leave this field blank.
COM Port#	**R**	Select the PC serial port (COM1- COM4) that you are using for communications.
Down Load PLUs after Polling	**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.
Deactivate This Store	**O**	Select the *Deactivate This Store* check box if you wish the store to be inactive.
Modem Time Out Value	**R**	Unless otherwise indicated, the default value of 99 will be entered automatically when the store is created
Modem Initial String	**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.
Baud Rate	**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.

3. Click **Exit** to save store information.

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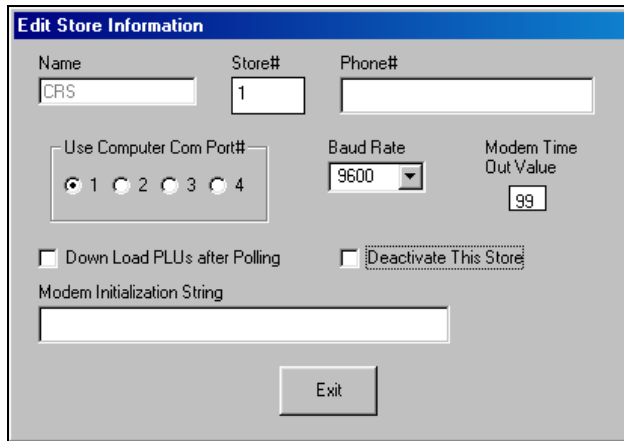
♦ Click the *Default Store* drop-down list box to select the working store. When you have created at least one store, the list box will display all stores created. The working store will display in the *Default Store* field. All editing and programming will pertain to the selected working store.

Default Store Drop-down list box
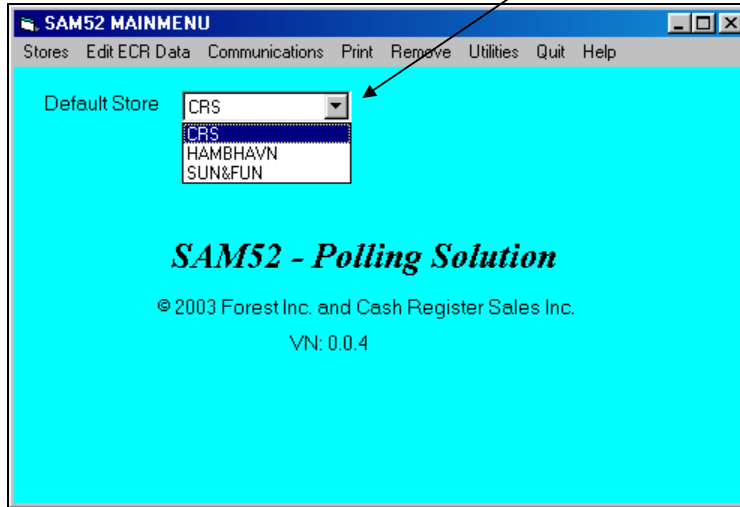
Editing Store Information

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

Edit Store Information

Name: CRS
Store#: 1
Phone#:

Use Computer Com Port#
◉ 1 ○ 2 ○ 3 ○ 4

Baud Rate: 9600

Modem Time Out Value: 99

☐ Down Load PLUs after Polling   ☐ Deactivate This Store

Modem Initialization String

[Exit]

2. Refer to the "Store Information" table on page 11 to complete the *Edit Store Information* dialog.

3. 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.

If you Delete this store, all the store's data will be lost. Choose Yes to delete this store. Chose No to exit.

[Yes] [No]
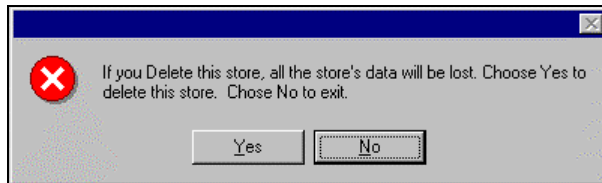
2. Click **Yes** to delete the store.

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 item to edit that part of an existing Samsung *ER-5200* 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-5200* through the register's keyboard. Detailed questions about the meaning of the register options are best answered by referring to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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 53) and then edit the copied program to suit your needs.
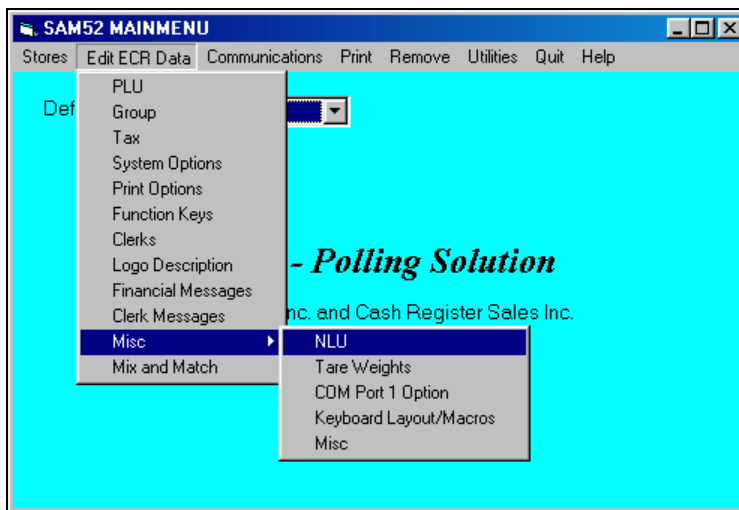
PLU File

The PLU file is maintained here. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 Operators and Program Manual* for a complete description of your program options.

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

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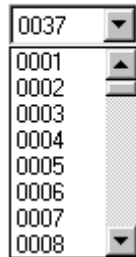
   - Type a PLU descriptor in the Descriptor field and press **ENTER**, or open the Descriptor drop down list box and click on the PLU you wish to edit. If necessary, use the scroll box to view the list of PLUs in the file. With the list box open, you can type the beginning letter or letters of a PLU descriptor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

     Descriptor

     | LARGE COKE | ▼ |

     | GAS-UNLEADED | ▲ |
     | GROCERY | |
     | HAMBURGER | |
     | LARGE COKE | |
     | PLU1 | |
     | PLU10 | |
     | PLU100 | |
     | PLU100 | ▼ |
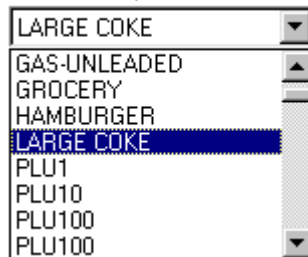
2. Click the **Edit PLU** button to open the selection fields for editing.

3. 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.

4. Click **Save** to save changes, or click **No Save** to exit without saving changes

Note: For double-wide Characters hold down the **ALT** key, type **0253**, then type the character you wish to program.

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, or click **No Save** to exit without saving changes

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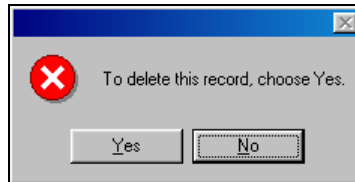
4. Click **Yes** to delete the PLU; click **No** to abort the delete process.

Note: To delete a PLU, all totals (Z1 and Z2) for that PLU must first be cleared. PLUs will not be deleted at the register unless there is no register activity and deleted PLUs are downloaded.

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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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 Total	Send to KP	KP Port# is 1	KP Port# is Receipt	Print Red on KP
1	GROUP 1	✔	☐	☐	☐	☐
2	GROUP 2	✔	☐	☐	☐	☐
3	GROUP 3	✔	☐	☐	☐	☐
4	GROUP 4	✔	☐	☐	☐	☐
5	GROUP 5	✔	☐	☐	☐	☐
6	GROUP 6	✔	☐	☐	☐	☐
7	GROUP 7	✔	☐	☐	☐	☐
8	GROUP 8	✔	☐	☐	☐	☐
9	GROUP 9	✔	☐	☐	☐	☐
10	GROUP 10	✔	☐	☐	☐	☐
11	GROUP 11	✔	☐	☐	☐	☐
12	GROUP 12	✔	☐	☐	☐	☐
13	GROUP 13	✔	☐	☐	☐	☐
14	GROUP 14	✔	☐	☐	☐	☐
15	GROUP 15	✔	☐	☐	☐	☐
16	GROUP 16	✔	☐	☐	☐	☐
17	GROUP 17	✔	☐	☐	☐	☐
18	GROUP 18	✔	☐	☐	☐	☐
19	GROUP 19	✔	☐	☐	☐	☐
20	GROUP 20	✔	☐	☐	☐	☐

Group Programming for Store : CRS

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.

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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

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. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

System Options Programming for Store : CRS	
✔	Beeper Active
☐	Real Clerk Key
☐	Clerk Entry: Code = Checkmark , Push = No Checkmark
☐	Clerk Is: Pop Up = Checkmark, Staydown = No Checkmark
✔	Drawer needs to be shut to operate
☐	Activate Drawer Open Alarm
30	Seconds to allow drawer to be opened
☐	Allow Post Tender
✔	Open Drawer on Post Tender
☐	Allow Multiple Receipts
☐	Cash Declaration required before Reports
☐	Manager control on Tender of Negative Balance
☐	Manager control on Tender of Zero Balance
☐	Reset transaction Number on Z-Report

Exit

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. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 Operators and Program Manual* 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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

2. Use the scroll box at the bottom of the screen to select the function key you wish to program.

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, use the scroll box to 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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

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, 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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 Operators and Program Manual* 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:
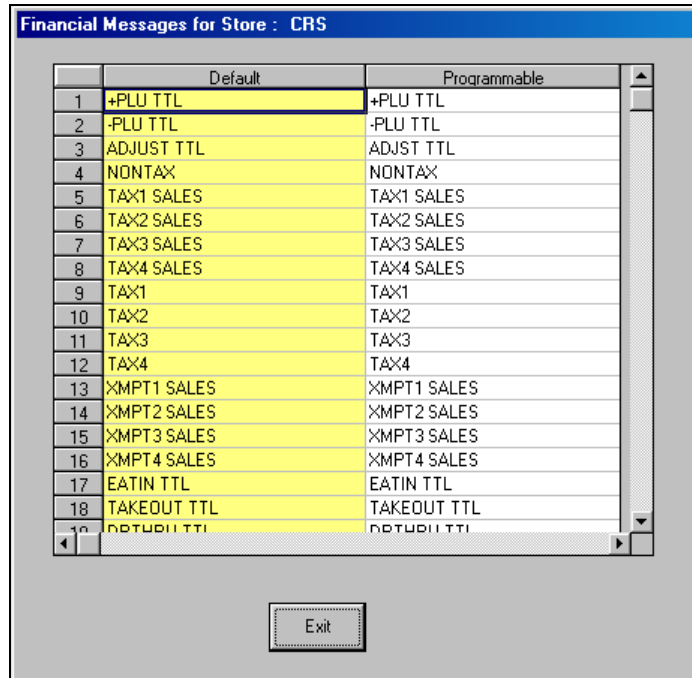
	Default	Programmable
1	+PLU TTL	+PLU TTL
2	-PLU TTL	-PLU TTL
3	ADJUST TTL	ADJST TTL
4	NONTAX	NONTAX
5	TAX1 SALES	TAX1 SALES
6	TAX2 SALES	TAX2 SALES
7	TAX3 SALES	TAX3 SALES
8	TAX4 SALES	TAX4 SALES
9	TAX1	TAX1
10	TAX2	TAX2
11	TAX3	TAX3
12	TAX4	TAX4
13	XMPT1 SALES	XMPT1 SALES
14	XMPT2 SALES	XMPT2 SALES
15	XMPT3 SALES	XMPT3 SALES
16	XMPT4 SALES	XMPT4 SALES
17	EATIN TTL	EATIN TTL
18	TAKEOUT TTL	TAKEOUT TTL
19	DRTHRU TTL	DRTHRU TTL

Financial Messages for Store : CRS

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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 Operators and Program Manual* 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:

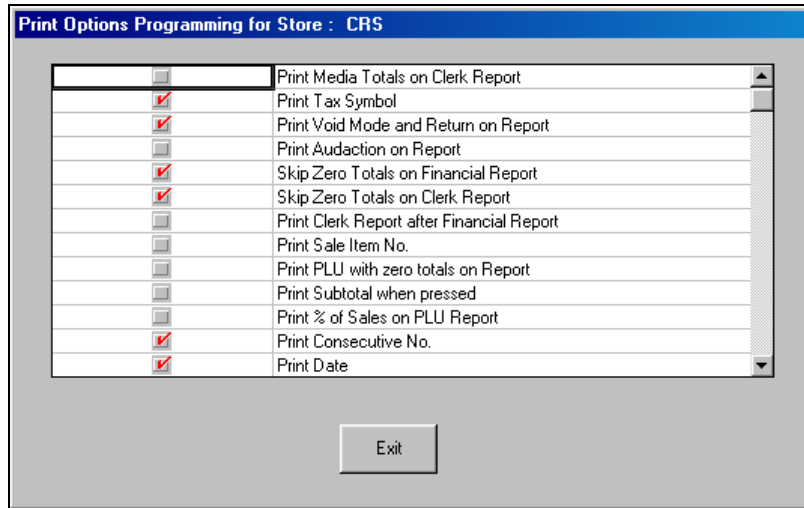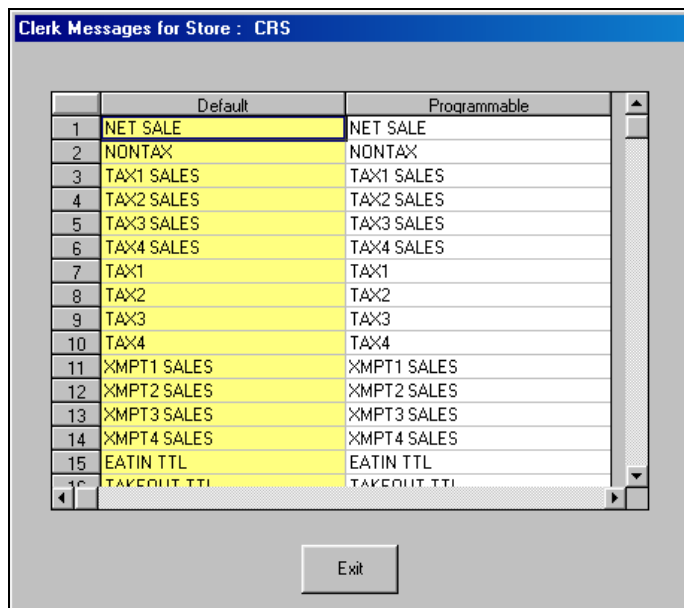

2. Use the scroll box at the right of the screen to view all of the descriptor fields.

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.

NLU

NLUs are fixed keys on the keyboard (like traditional department keys) that access specific PLUs.

On the default keyboard, the ER-5215 has 5 or 15 NLUs; the ER-5240 has 15 or 40 NLUs; and the ER-5200 has 117 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#	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

NLU Programming for Store : TEST3
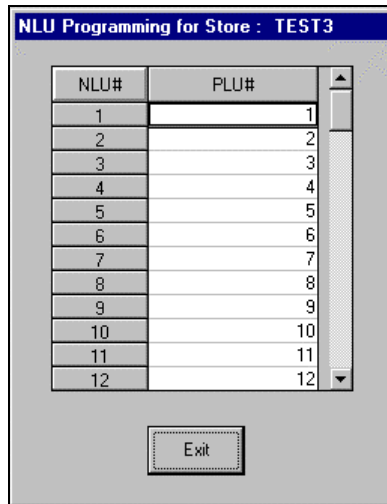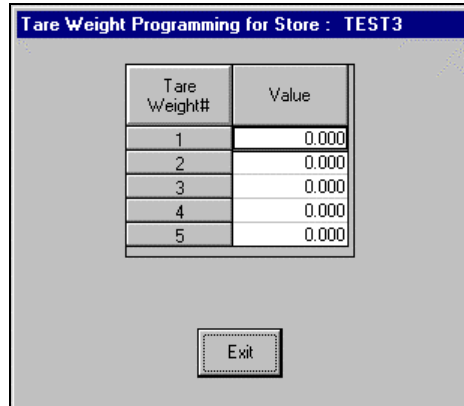
Exit

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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:

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 1 Option

Set options for the communications when you are connecting optional hardware to the register. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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 appropriate *Serial Port Programming* dialog box displays:

Com Port# 1 Programming For : CRS	
Baud Rate	9600
Parity	None
Data Bits	8
Stop Bits	1
Device Function	None
Initial Feeding Line	0
Ending Feeding Line	0
Initial Feeding Line	0
Print Line on Guest	0
Scale Type	NCI
Printer Type	None
Pole Display Type	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 *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:
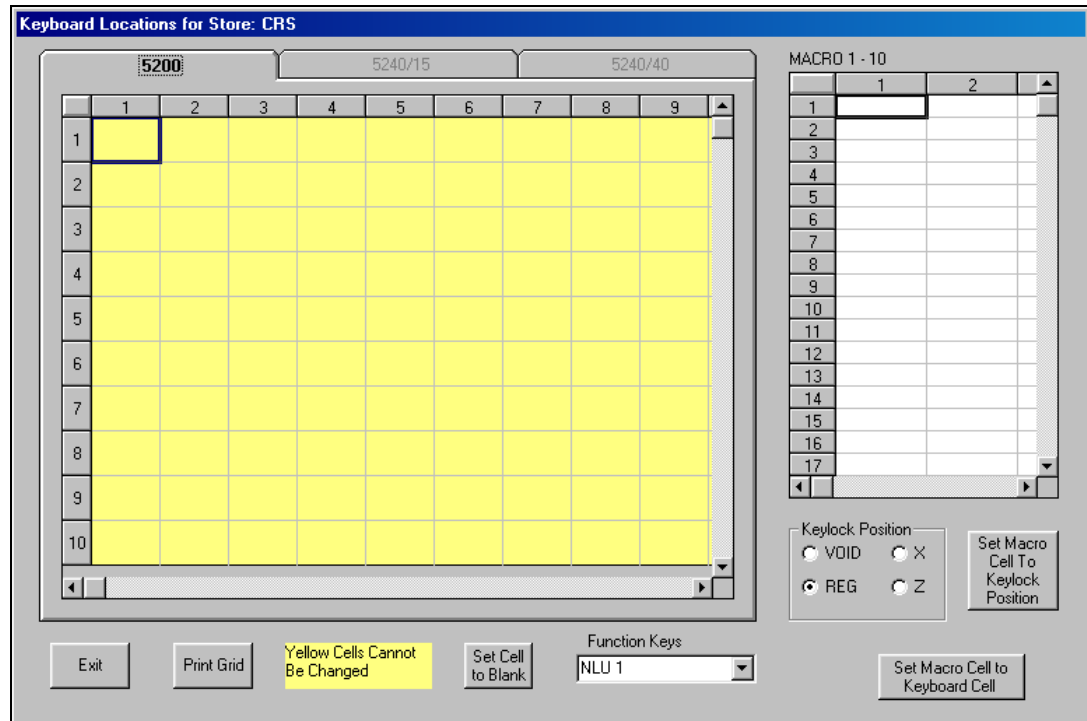
To Change a Key Function

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.

♦ To change a programmable location, open the Function Keys drop down list box and find the new function you wish to assign. Then double click on the position where you wish the function assigned.
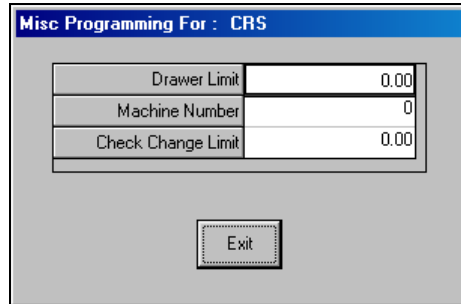
Programming Macros

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 postitons for the next keystroke, first select the lock postion option button. Next, select he 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. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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:
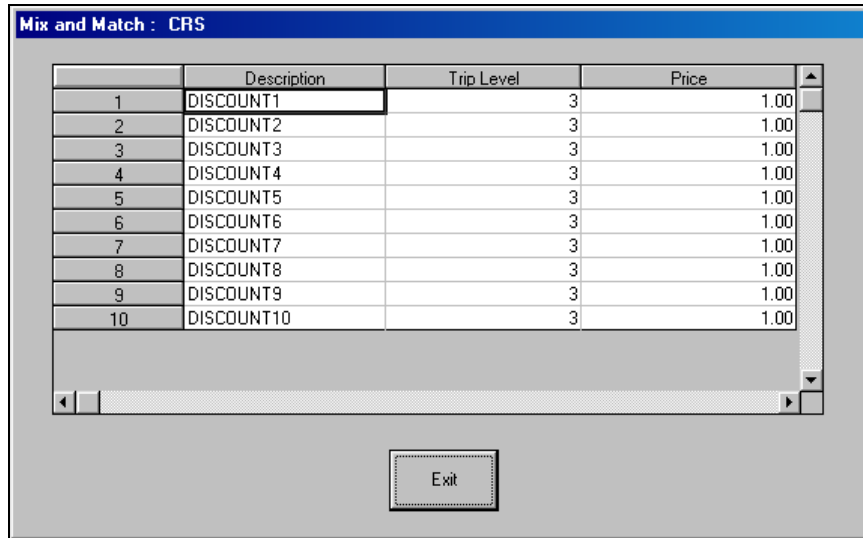
2. Double click on the option you wish to edit, and then enter a new value.

3. Click **Exit** to save changes and return to the main menu.

Mix and Match

Up to 10 macros are available, each can execute up to 50 keystrokes. Follow the instructions on the screen, or refer to the *Samsung ER-5215 Operators and Program Manual* or the *Samsung ER-5200/5240 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 **Macros** from the *Edit ECR Data* menu. The appropriate *Macro Programming* dialog box displays:

	Description	Trip Level	Price
1	DISCOUNT1	3	1.00
2	DISCOUNT2	3	1.00
3	DISCOUNT3	3	1.00
4	DISCOUNT4	3	1.00
5	DISCOUNT5	3	1.00
6	DISCOUNT6	3	1.00
7	DISCOUNT7	3	1.00
8	DISCOUNT8	3	1.00
9	DISCOUNT9	3	1.00
10	DISCOUNT10	3	1.00

Mix and Match : CRS — Exit

2. Use the scroll bar at the right to view all of the key strokes for each macro; use the scroll bar at the bottom to view all of the 10 macros.

3. Edit, or create a new macro string by opening the appropriate drop down list box, then selecting the function you wish to execute.

4. Click **Exit** to save changes and return to the main menu.

Communications

♦ Choose **Communications** from the Main menu to initiate communications with a Samsung ER-5200 series ECR.
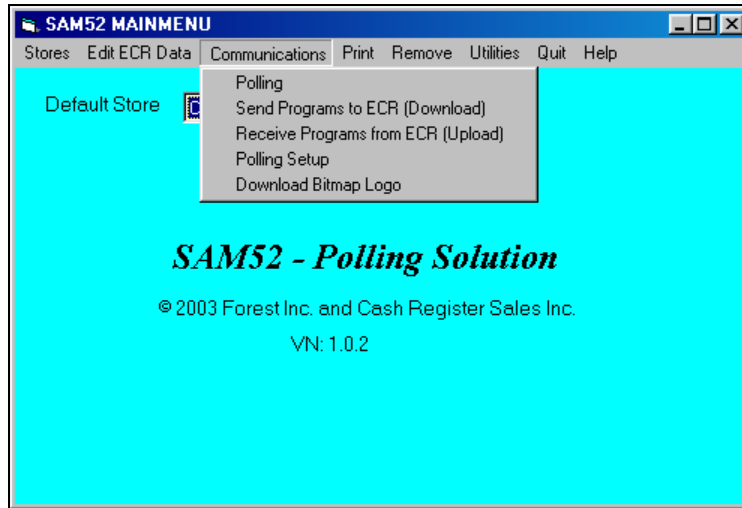
Polling

1. Choose **Polling** from the *Communications* menu to connect to the store to poll reports. The *SAM52 Polling* dialog box will display.
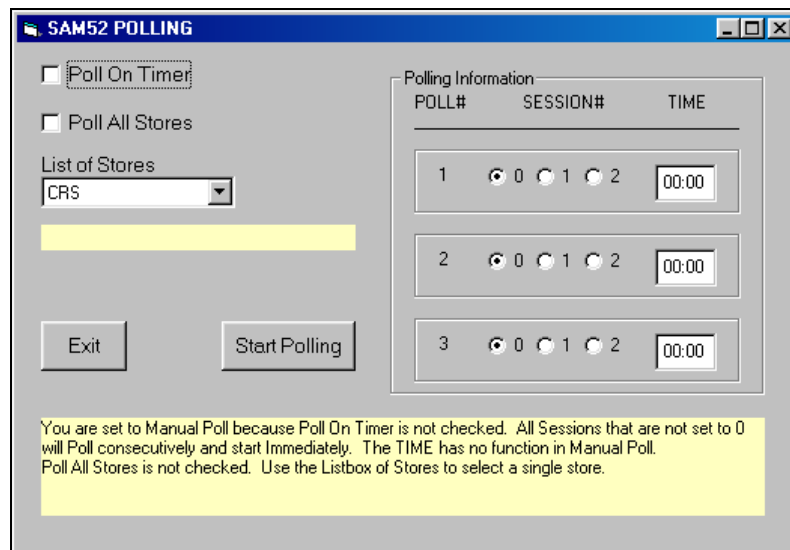
Note: Polling setup file must be completed first.

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

Field Name	Required /Optional	Description/Instructions
Poll On Timer	**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.
Poll All Stores	**O**	Select the *Poll All Stores* checkbox to poll all stores. If not selected, enter an individual store to poll in the *Listbox of Stores* field.
Listbox of Stores	**O**	Select an individual store to poll if the *Poll All Stores* check box is not selected.
Timer	**O**	Enter the military time the polling session is to begin if unattended polling is to be done.
Session	**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.

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.
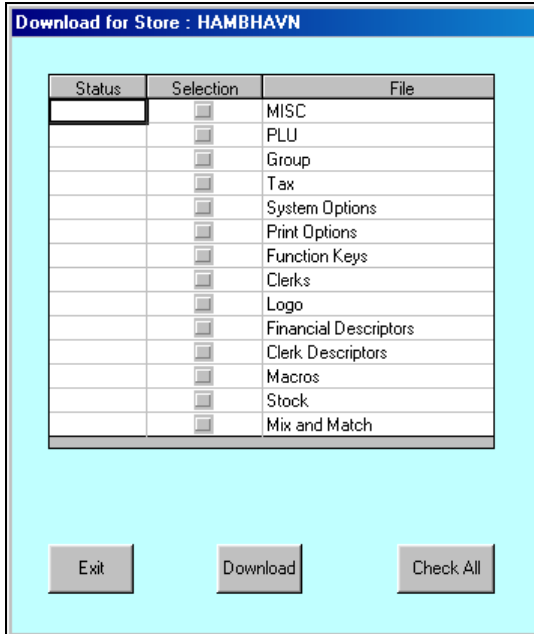
2. From the *Download* dialog box, select the program components you wish to send to the ECR. (Click **Check All** to select all components.) A check mark means the item is selected.

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.
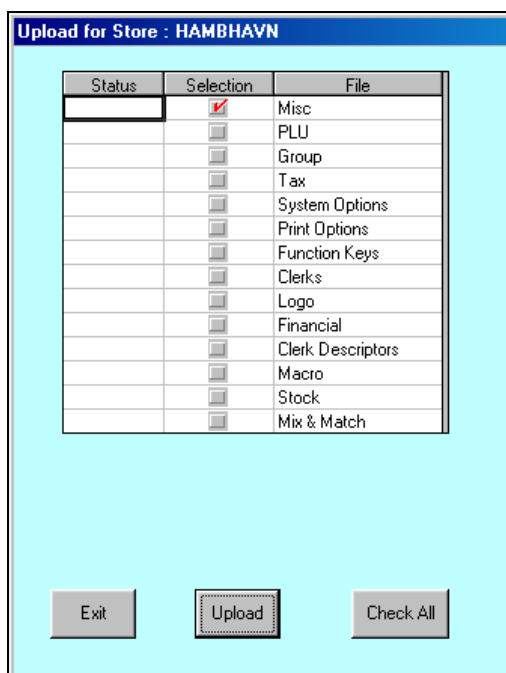
2. From the *Upload* dialog box, select the program components you wish to send to the ECR. (Click **Check All** to select all components.) A check mark means the item is selected.

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	☐	☐		
Open Check	☐	☐		

Polling Setup File for Store : CRS — Session 1 / Session 2 — 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.

Download Bitmap Image

Preparing a Graphic Logo Bitmap for an ER-5200 Series ECR

The image must be black/white bitmap, 384 x 192 pixels, and 10 Kbytes or less in size. If your bitmap file does not meet these specifications, follow the instructions below and use Microsoft Paint to format your image.

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.
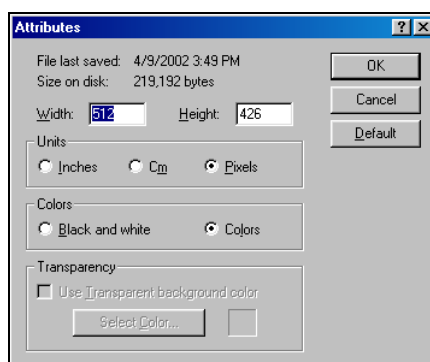
4. The image dimensions must be no larger than 384 pixels wide by 192 pixels high. If the image size in pixels is greater than the maximum, you must resize your image.

    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 and confirm that the size is 10k or less.

Download a Graphic Logo to an ER-5200 Series ECR

1. Choose **Download Bitmap Image** from the *Utilities* menu. The appropriate *Download Bitmap* dialog box displays:
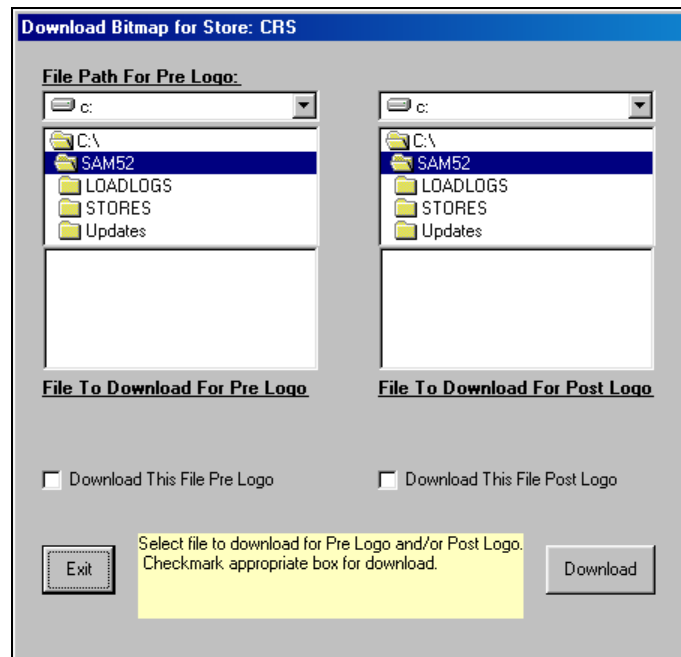
2. Select the folder where the bitmap file you wish to use is located. Select the Pre Logo bitmap file on the left and select the Post Logo bitmap on the right.

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 completed message displays after a short delay.

Printing the Logo Image – ER-5200 Settings Series ECR

Three 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.

Option #30 – Add the value of 1 to address 30 if you wish to print your custom bitmap instead of the default bitmap "Thank You – Your Receipt". Add the value of 2 to address 30 if you wish to print your custom bitmap instead of the default bitmap "Call Again".

Print Option Flowchart (P Key Lock Position)
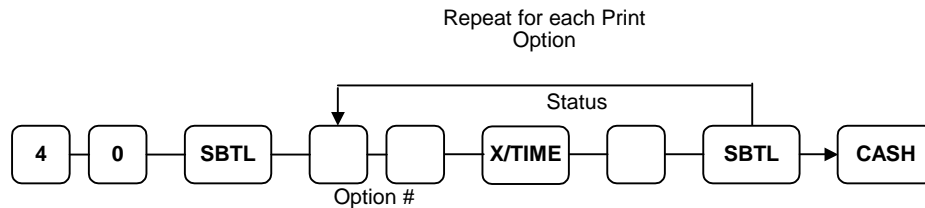
Print

♦ 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.

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

Field Name	Required /Optional	Description/Instructions
Polling Date	**R**	Select the polling date from the drop-down list box.
Zero Skip	**O**	Select the Zero Skip check box if you wish totals with zero values skipped.
Report Type	**O**	Select the report type from the drop-down list box. If no report type is selected, *SAM52* will display all reports for the specified date and key lock mode.
Keylock Mode	**O**	Select the mode of the report.. If no key lock mode is selected, *SAM52* will display all reports for the specified date and report type.
Grid Lines	**O**	Click the *Grid Lines* button to print/display the selected report with or without grid lines
White/Gray	**O**	Click the *White/Gray* 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 print out the upload, download or poll log file of a given day.

Uploads

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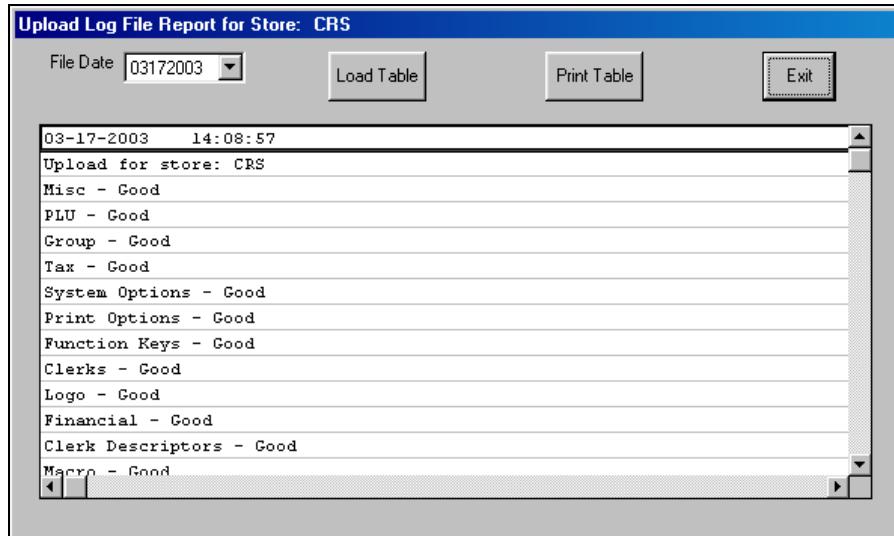
2. Type or select a date from the *File Date* list box.

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

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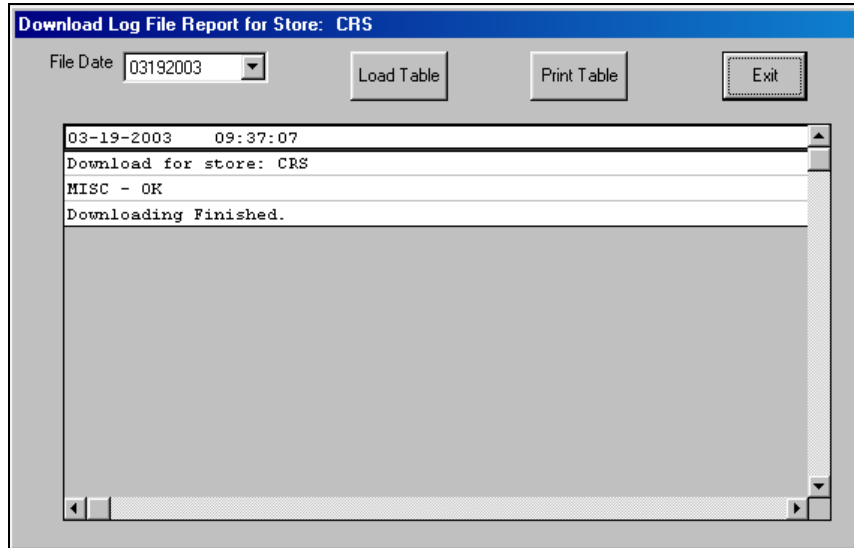
```
Download Log File Report for Store:  CRS

File Date  03192003  ▼     Load Table      Print Table      Exit

03-19-2003    09:37:07
Download for store: CRS
MISC - OK
Downloading Finished.
```

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 *Download Log File Report* dialog box for the selected store displays.
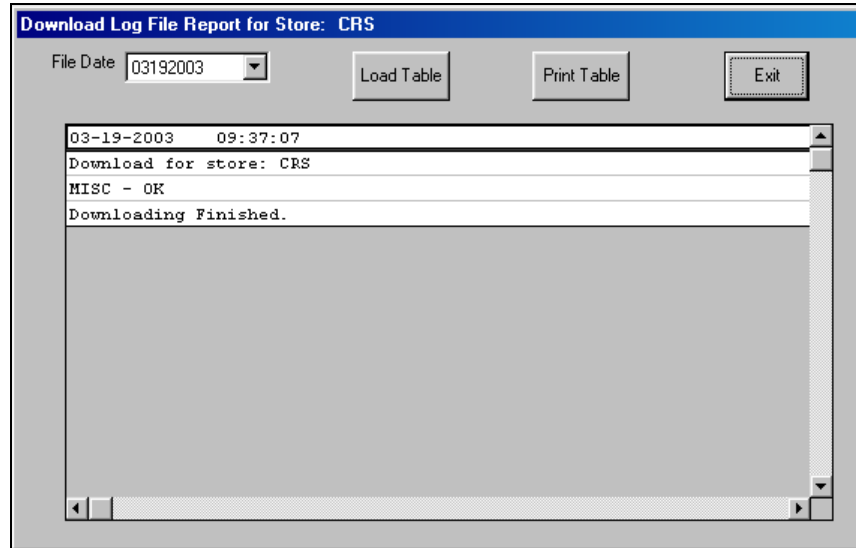
2. Select the polling date from the drop-down list box.

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.
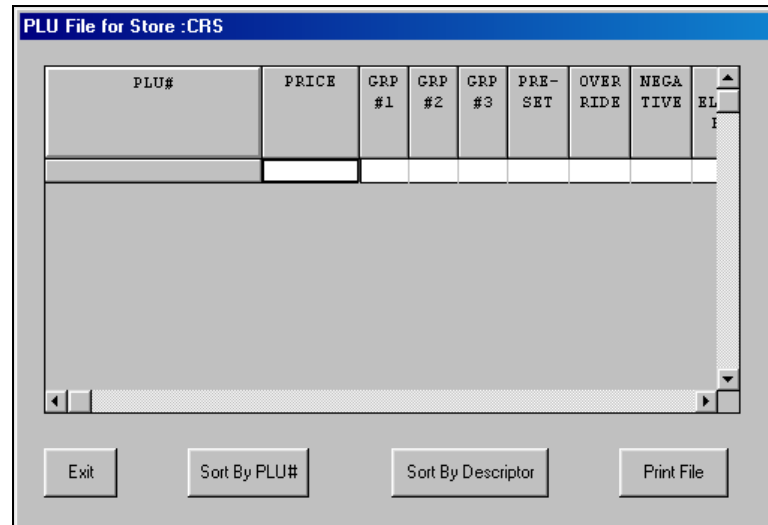
2. Click the **Sort by PLU #** button to view the file sorted by PLU #; click the **Sort by Descriptor** button to view the file sorted by descriptor.

3. Click the **Print File** button to print the file.

4. 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.

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 the Consolidated financial, PLU and group reports for all stores. The *Consolidated Store Report* dialog box displays.

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. Click on Load Table to load the consolidated store report.

5. Click on the Grid Lines icon to toggle between displaying grid lines on the table and not.

6. Click on the White/Gray icon to toggle between showing the descriptors in white or gray.

7. Click on the Print Table icon to print the consolidated store report.

8. 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.

    Remove Old Polling Files for Store: CRS

    Delete Old Poll Files Through This Date

    03-19-2003

    Exit   Start Delete
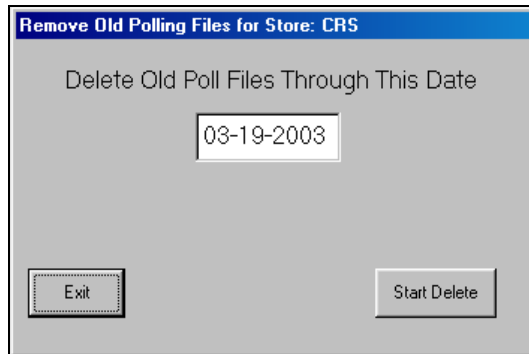
2. Enter the date through which you want old poll files deleted. The message "FINISHED" will display when completed.

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.

    Remove Old Log Files

    Delete Old Log Files for Upload, Download and Polling Through This Date

    03-19-2003

    Quit   Start Delete
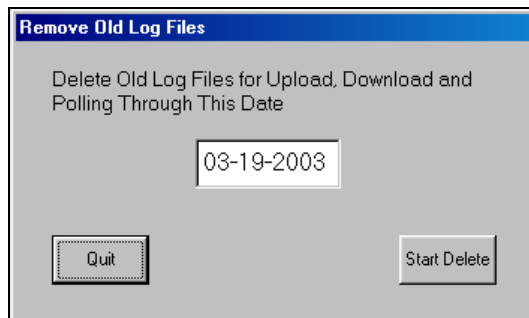
2. Enter the date through which you want old log files deleted. The message "FINISHED" will display when completed.

3. Click **Quit** to return to the main menu.

Utilities

♦ Choose **Utilities** from the Main menu to access the utilities described below.
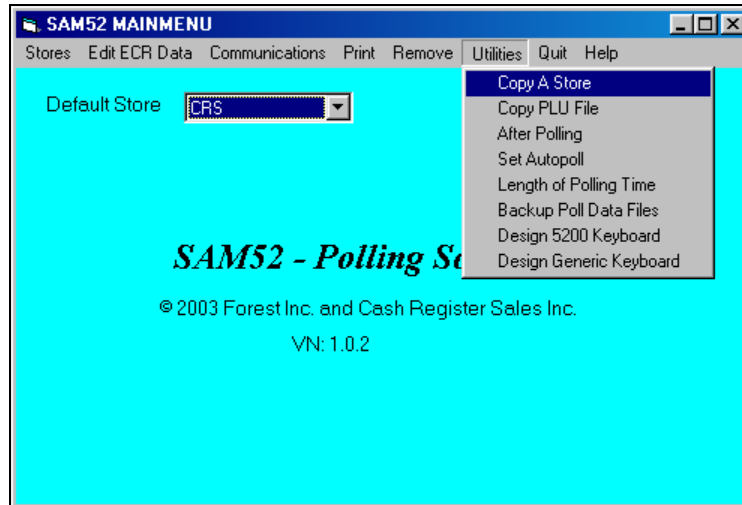
Copy a Store

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.
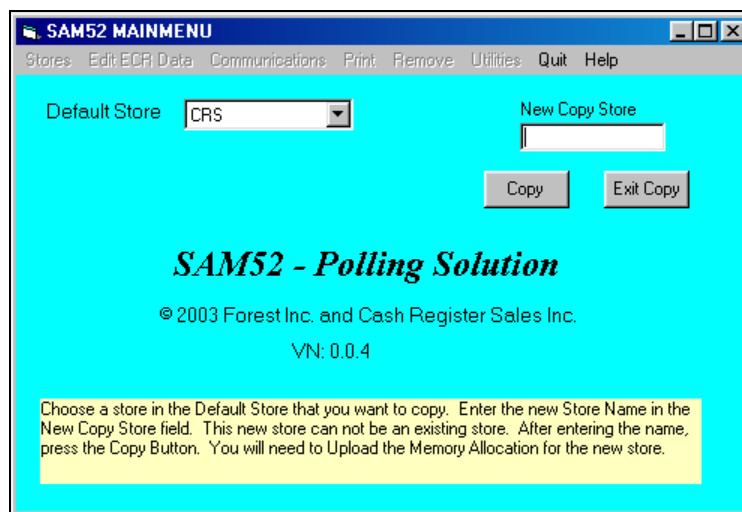
2. Select the store that you wish to copy from by clicking the Default Store field drop-down list box.

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.

5. Click the **Exit Copy** button to return to the main menu.

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.
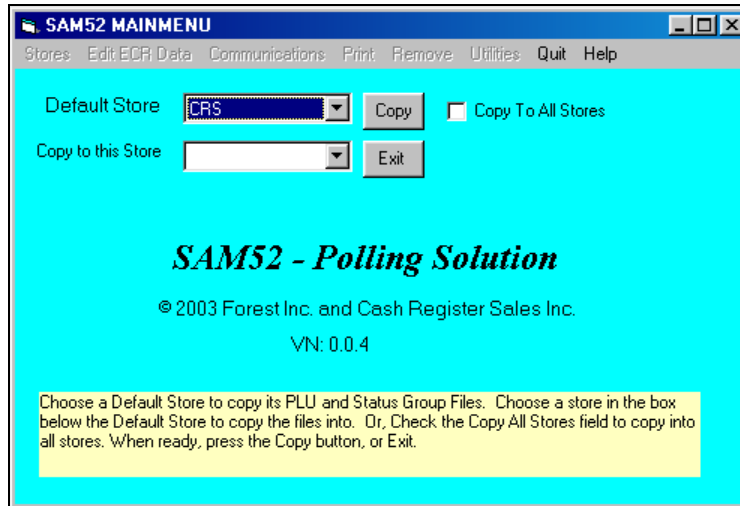
2. Select the store that you wish to copy the PLU file <u>from</u> by clicking the Default Store field drop-down list box.

3. Select the name of the store you wish the PLU file copied <u>to</u> 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.

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

After Polling

You can program SAM52 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.

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

2. Click on the check boxes to select Printing or E-mailing the polled file after polling.

3. Select Your Internet Connection from the drop down list. All connections set up in your PC should display for you to chose from.

4. Type in your Outgoing Mail Host Name (SMTP) in the appropriate location. 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 labled Send File to this E-mail Address.

9. Click on Exit to return to the main menu and save your changes.

Set Auto Poll

You can set *SAM52* to automatically go into polling mode when the program is started. You can also set *SAM52* to automatically close when polling is completed.

1. Choose **Set Autopoll** from the *Utilities* menu. The *Set to Automatically Poll* dialog box displays.
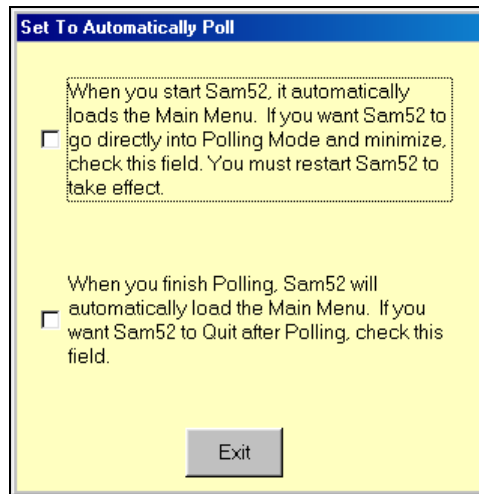
2. Select the first check box if you wish to automatically poll when *SAM52* is executed. Select the second check box if you wish to close *SAM52* automatically when polling is completed.

3. Click **Exit**.

4. Close *SAM52* and then restart it for changes to take effect.

Length of Polling Time

You can set a time period that SAM52 will wait to successfully poll each report. Leave this value at '**0**' unless you encounter difficulty polling.

```
Length of Polling Time

  Enter the number of minutes that SAM52 will wait to successfully Poll
  each report. ( 0 to 99 minutes ). Example: If SAM52 is to Poll Financial
  and PLU reports, and your value is 20, SAM52 will allow 20 minutes to
  Poll the Financial, and 20 minutes to Poll the PLU report. If the register is
  not in communication mode, the Poll session will take at least 40 minutes.


      Exit                                              20
```

Backup Poll Data Files

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

```
Backup Poll Data Files

  Store to Copy                    Copy to Drive
  [                    ▼]          [🖴 c:            ▼]




  1) Select the Store that you want to copy.
  2) Select the drive that you want to copy to.
  3) When ready, click Begin Copy .


      Exit                                      Begin Copy
```
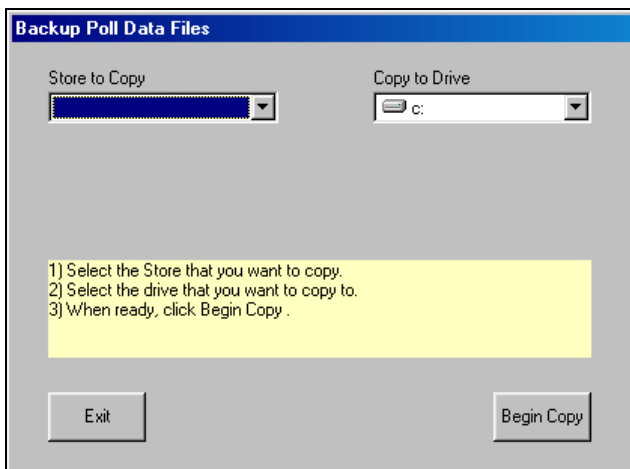
Design 5200 Keyboard

This utility allows you to design and print a key legend sheet for the ER-5200 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 5200 Keyboard** from the *Utilities* menu. The appropriate *Keyboard* dialog box displays:

5200 KEYBOARD FOR STORE: CRS								
	H	I	J	K	L	M	N	O	P
1	PLU68	PLU78	PLU88	PLU98	DAILY FEE	TAX1	FSHIFT	PO1	CLERK
2	PLU69	PLU79	PLU89	PLU99	BAIT	TAX2	CHECK #	RA1	F/S SUB
3	PLU70	PLU80	PLU90	PLU100	BOAT RENTAL	% 1	SERVICE	VOID	F/S TEND
4	PLU71	PLU81	PLU91	PLU101	GIFT SHOP	% 2	ERRCORR	MDSE RETURN	EATIN
5	PLU72	PLU82	PLU92	PLU102	GROCERY	% 3	NOSALE	CANCEL	TKOUT
6	PLU73	PLU83	PLU93	PLU103	PLU113	CLEAR	PLU	X/TIME	CHARGE2

Exit | Print Keyboard | Font Size | Bold Cell Text | Italisize Text | Set Cell Font Color to Default Color | Default Color | Set Cell Background to Default Color

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 positon 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 **Italize 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-5215/ER-5240. 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:
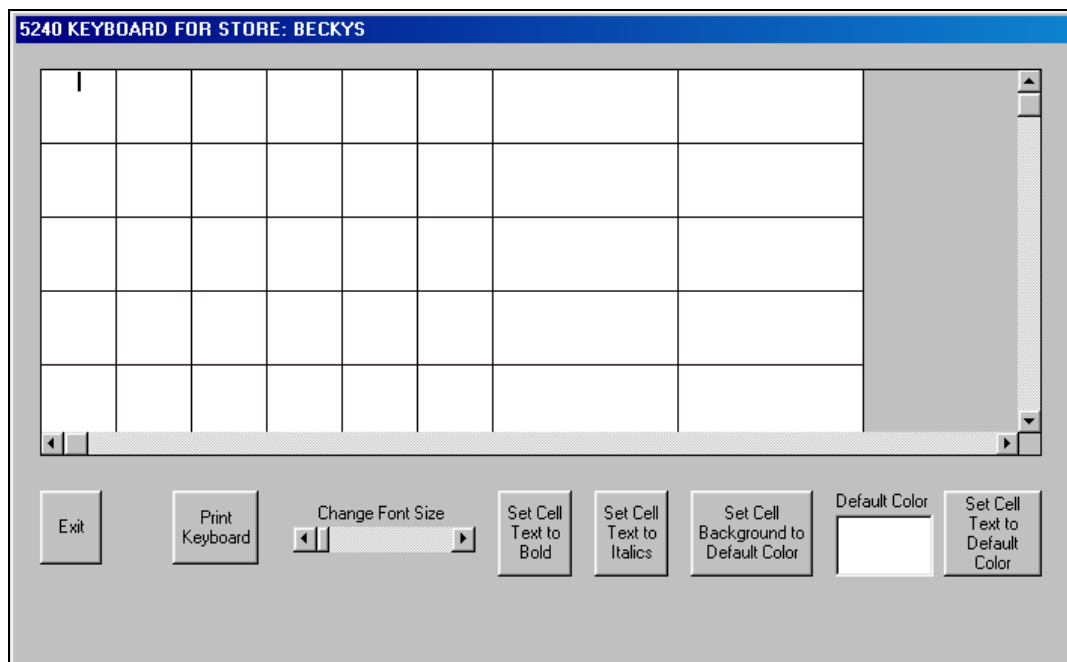
2. The dialog box displays a matrix of single and double size keychecks. Use the scroll bar at the bottom and right to view the entire matrix.

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 positon 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 **Italize 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.

Quit

♦ Choose **Quit** from the Main menu to exit *SAM52 For Windows*.
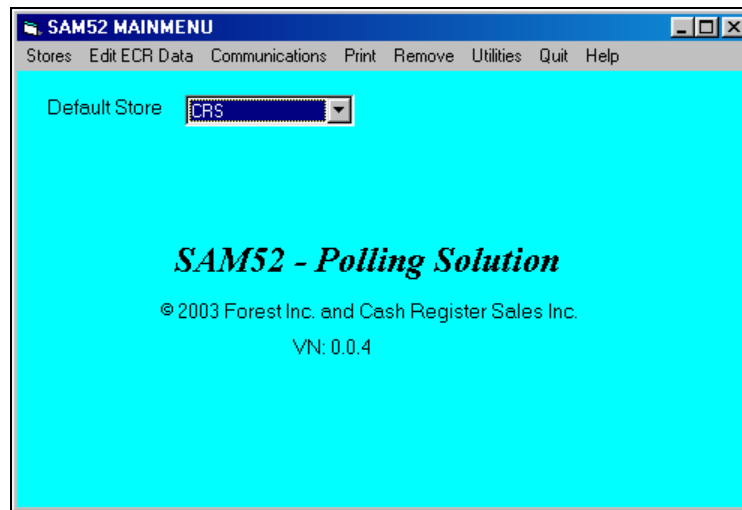
Appendices

Structure Of Stores

When you create a new store, you actually create a new sub-directory under the directory *SAM52* for the store. If you create a store named **BIGBOYS**, the following will be created:

1. A directory named   \SAM52\STORES\BIGBOYS
   This directory holds all the programming files for this store.

2. A directory named   \SAM52\STORES\BIGBOYS\POLL
   This directory holds all the daily polling files for this store.

File Definitions

File Extension	Definition
.plu	PLU
.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
.pol	(in polling folder) polled reports file
.tpl	(in polling folder) temporary polling file

Sam52 PLU File Structure

<Storename>.PLU

FIELD	START	LENGTH
STATUS	1	1 (A,C,D)
PLU#	2	4
DESCRIPTION	6	12
GROUP1	18	2
GROUP2	20	2
GROUP3	22	2
NEGATIVE ITEM	24	1
FOOD STAMP	25	1
TAX4	26	1
TAX3	27	1
TAX2	28	1
TAX1	29	1
OVERRIDE PRESET	30	1
PRESET	31	1
AUTO SCALE	32	1
SCALABLE	33	1
DISABLE	34	1
INVENTORY	35	1
GALLONAGE	36	1

FIELD	START	LENGTH
NON-ADD# COMP	37	1
SINGLE ITEM	38	1
HASH	39	1
DISABLE PROMO	40	1
PRINT PRICE/CHECK	41	1
PRINT PRICE/RECEIPT	42	1
PRINT ON CHECK	43	1
PRINT ON DISPLAY	44	1
PRINT ON RECEIPT	45	1
COMP. CONDIMENT	46	1
CONDIMENT	47	1
Not Used	48	1
Not Used	49	1
Not Used	50	1
Not Used	51	1
Not Used	52	1
PRINT ON JOURNAL	53	1
PRESET OVER-MGT	54	1
RESET COUNTER	55	1
AUTO TARE (1-5)	56	1
LINK PLU	57	4
PRICE	61	7
STOCK	68	6
MIX & MATCH	74	2
COST	76	7
CR/LF	83	2
TOTAL REC LENGTH	84	

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 `\SAM52\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-polled. 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 \SAM52\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
OPEN CHK 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
•PLU#                            Count       Amount
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
•Clerk# 1       CLERK 1          Count       Amount
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 71 to verify that your direct or modem connection cable is configured properly.
- Verify that the hardware key is in place. SAM52 will not start if the key is not found. In addition, SAM52 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 SAM52 versions are compatible. Due to changes in program structures between various register versions, incompatibility issues may arise.

Samsung ER 5200 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-5200 are all default (9600 BAUD, NO PARITY, 8 DATA BITS, 1 STOP BIT) and that *SAM52* is set the same.
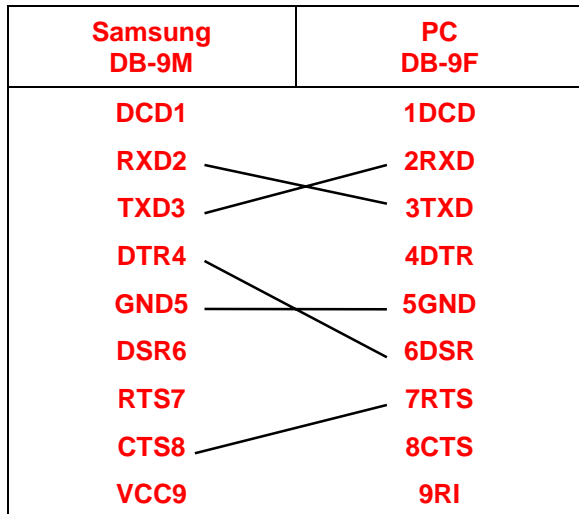
SAM52 Software

- Create a new store by selecting **Create New** from the *Stores* menu. See "Creating a New Store" on page 10.
  - ⇒ 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 SAM52. You must Receive (Upload) information from the ECR. Refer to "Receive Programs from ECR (Upload)" on page 39.
- If problems persist, try rebooting the PC.
- If you have trouble loading a program from SAM52 to a register, be sure the register memory allocation is set large enough for each file.
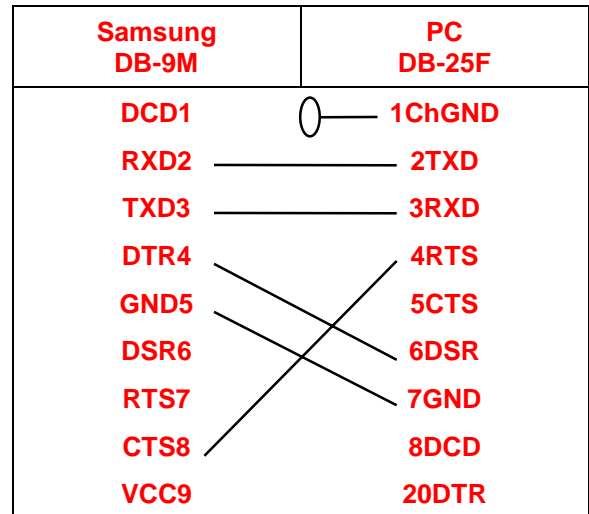
Cabling Diagrams

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.
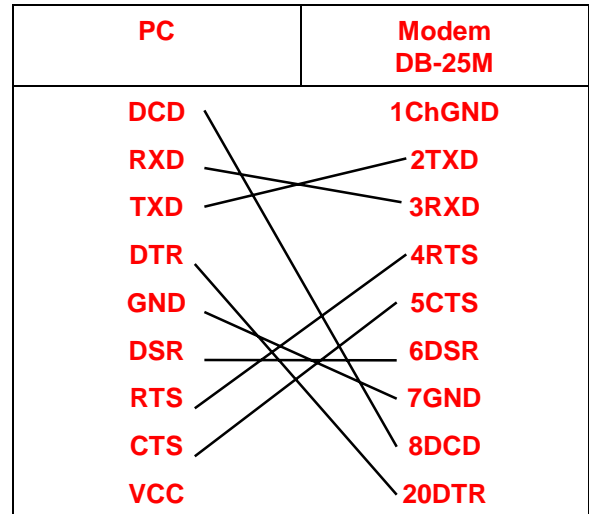
Direct Connection

Part # 522035

Samsung DB-9M	PC DB-9F
DCD1	1DCD
RXD2	2RXD
TXD3	3TXD
DTR4	4DTR
GND5	5GND
DSR6	6DSR
RTS7	7RTS
CTS8	8CTS
VCC9	9RI

Part # 522038

Samsung DB-9M	PC DB-25F
DCD1	1ChGND
RXD2	2TXD
TXD3	3RXD
DTR4	4RTS
GND5	5CTS
DSR6	6DSR
RTS7	7GND
CTS8	8DCD
VCC9	20DTR

Modem Connection

Part # 522034

Samsung DB-9M	MODEM DB-25M
DCD1	1ChGND
RXD2	2TXD
TXD3	3RXD
DTR4	4RTS
GND5	5CTS
DSR6	6DSR
RTS7	7GND
CTS8	8DCD
VCC9	20DTR

PC	Modem DB-25M
DCD	1ChGND
RXD	2TXD
TXD	3RXD
DTR	4RTS
GND	5CTS
DSR	6DSR
RTS	7GND
CTS	8DCD
VCC	20DTR
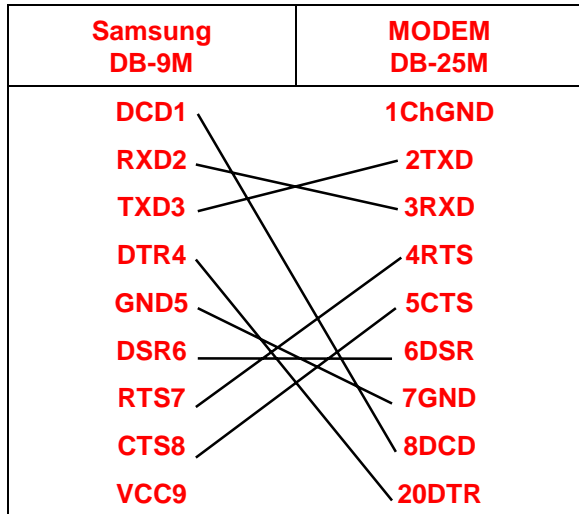
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