SAM4s ER-380 Series

PC Utility User's Manual



Version 2.0

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Contents

Intr	roduction	3
	About the ER-380 PC Utility	3
Get	tting Started	5
	Setting the ER-380 RS-232C Port	5
	Preparing the ER-380 for Communications	
	Installing the Utility	7
	Starting the PC Utility	8
	Store Settings	9
Upl	load/Download Programs	11
	UpProgram	11
	DownProgram	
	· •	4.0
Edi	it Programs	13
	Procedures	13
	Program Edit Screens	14
Rep	ports	21
	Poll Reports	21
	View Reports	
Dro	anara ⁹ Load Pitman Lagas	25
rie	epare & Load Bitmap Logos	_
	Preparing a Graphic Logo Bitmap for an ER-380	
	Download a Graphic Logo to an ER-380	
	Printing the Logo Image – ER-380 Settings	27
Арр	pendix	29
	Cabling Diagrams	29

Introduction

About the ER-380 PC Utility

The ER-380 Series PC Utility provides basic PC communication functions for Sam4s ER-380. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

Note: The ER-380 Series PC Utility supports only direct onsite connection to the ECR. Modem communications are not supported.

The ER-380 Series PC Utility includes the following features:

- Multiple Stores
- Save and Load ECR programs
- Convert & Download Logo Bitmaps
- Edit ECR programs
- Poll and View Register Reports

Note: The ER-380 Series PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.

ER-380 PC Utility Introduction • 3

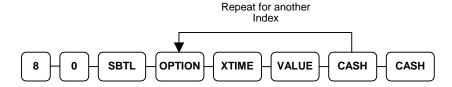
4 • Introduction ER-380 PC Utility

Getting Started

Setting the ER-380 RS-232C Port

At the ER-380, 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 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.



ER-380 PC Utility Getting Started • 5

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	Remote 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-270
		2	SAMSUNG SRP-350
		3	SAMSUNG SRP-500
12	Display Type	0	ICD 2002
		1	

6 • Getting Started ER-380 PC Utility

Preparing the ER-380 for Communications

The register must be ready for communications:

- Connect the register directly to the PC with the appropriate cable. See "Cabling Diagrams" on page 29.
- 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.

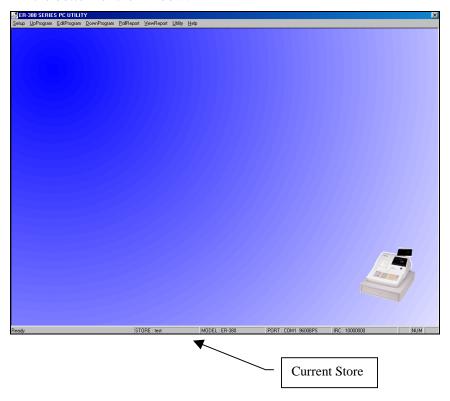
Installing the Utility

- 1. From Windows Explorer, locate the file: SETUP380.exe. Double click the file to open the installation dialog box.
- 2. Follow the instructions on the screen to complete the installation.

ER-380 PC Utility Getting Started • 7

Starting the PC Utility

- 1. Choose **Start, Programs**, **SHC PC Utility** and then **ER-380 PC Utility**. The Store Setting dialog box displays.
- 2. Select the store you wish to open and click the **Close** button. The **ER-380 Series PC Utility** window opens. The current store is displayed at the bottom of the window.



8 • Getting Started ER-380 PC Utility

Store Settings

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

The Store Setting Dialog Box



Selecting a Store

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

Adding a Store

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

Removing a Store

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

ER-380 PC Utility Getting Started • 9

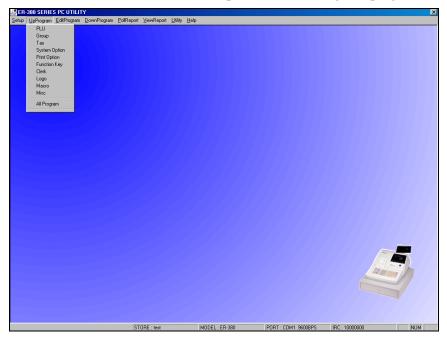
10 • Getting Started ER-380 PC Utility

Upload/Download Programs

UpProgram

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

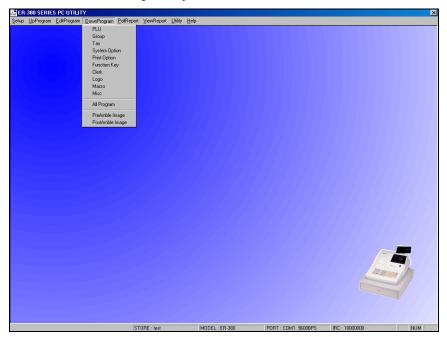
♦ Select the program segment you wish to upload from the **UpProgram** menu, or select **AllProgram** to upload the entire register program



DownProgram

Downloading a program will overwrite the existing register program.

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



Edit Programs

Procedures

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

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

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

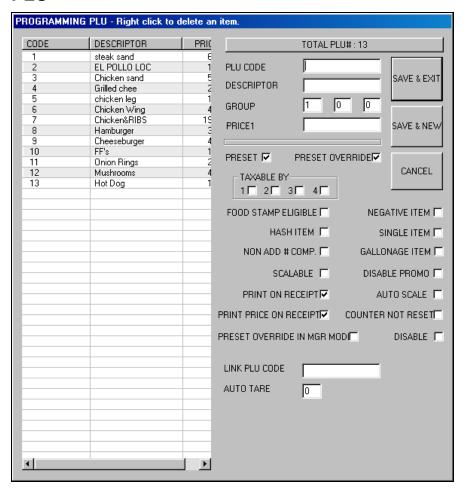
Tips

- Each Store's data, including both uploaded program files and polled report files, is located in a separate folder under the ER-380PC folder.
- If you are building a new register program based upon an existing store, you can copy an existing store's program files to a new store folder. It is often more efficient to modify an existing program than to start over with a new one.
- If you are building a large PLU file with identical (or similar) options for each PLU, you may find the from/to PLU programming at the register useful. For example, you can first program the identical options for a range of PLUs at the register. Then upload the PLU program with the utility. Use the utility to program descriptors, prices and make adjustments to each PLU individually. Finally, you can download the completed program to the register.
- If you have questions regarding the meaning of ECR features, refer the appropriate *ER-380 Program and Operation* manual for an explanation of your program options.

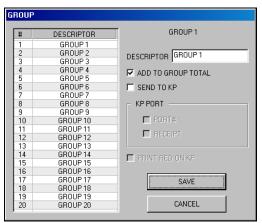
ER-380 PC Utility Edit Programs • 13

Program Edit Screens

PLU

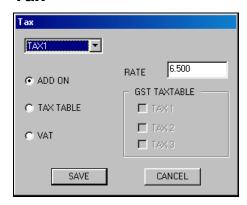


Groups

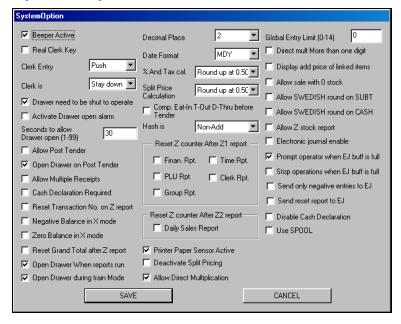


14 • Edit Programs ER-380 PC Utility

Tax

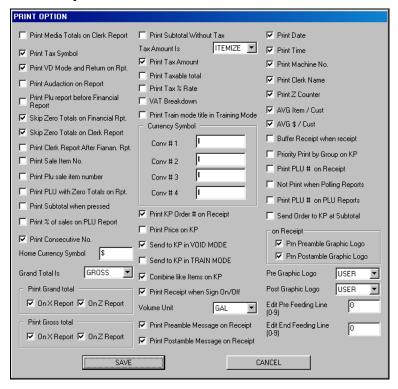


System Option

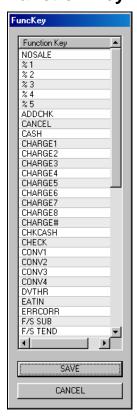


ER-380 PC Utility Edit Programs • 15

Print Option



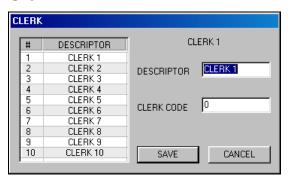
Function Key



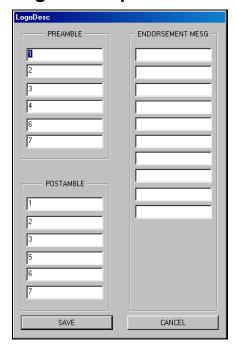


16 • Edit Programs ER-380 PC Utility

Clerk



Logo/Descriptors

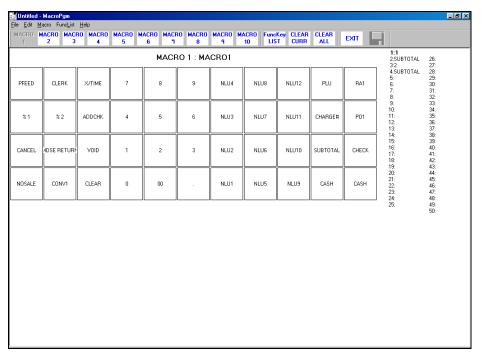


ER-380 PC Utility Edit Programs • 17

NLU



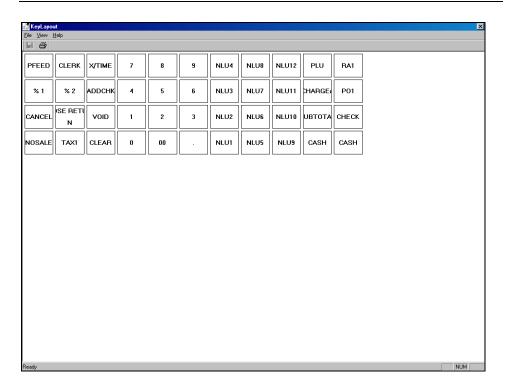
Macro



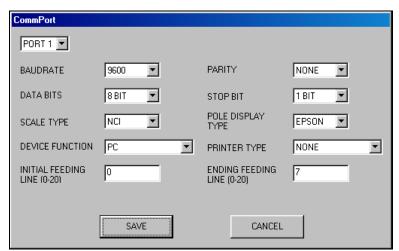
18 • Edit Programs ER-380 PC Utility

Key Layout

Note: To see the entire keyboard on the screen, the screen resolution must be set to 1024×768 pixels.

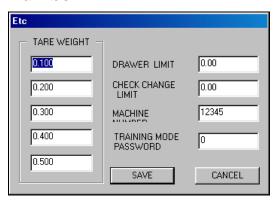


Comm Port

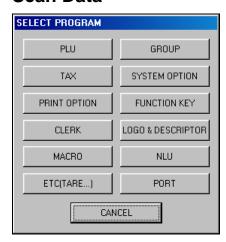


ER-380 PC Utility Edit Programs • 19

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



Scan Data

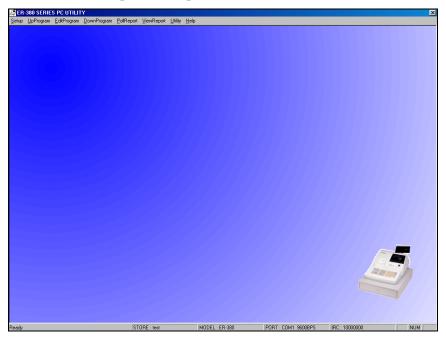


20 • Edit Programs ER-380 PC Utility

Reports

Poll Reports

◆ Select the report you wish to poll from the **PollReport** menu, or select **AllReport** to upload all reports.

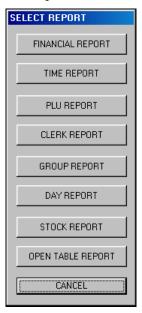


ER-380 PC Utility Reports • 21

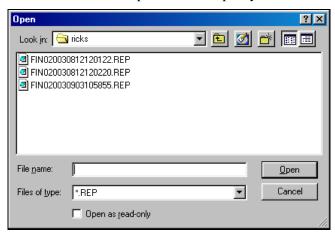
View Reports

Note: Polled report can only be viewed with the built-in viewer. Report files are not ASCII format, nor can they be converted to ASCII format with this utility

1. Select the Individual Report from the ViewReport menu.

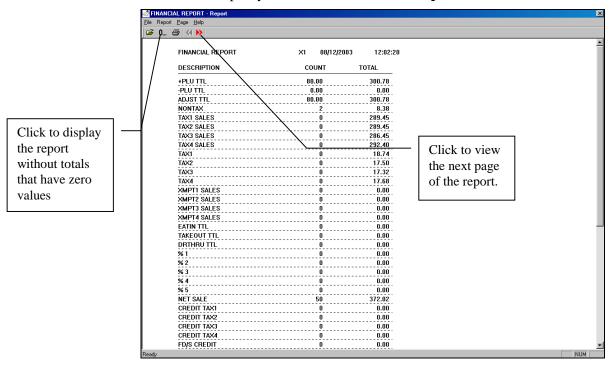


2. Click the button that represents the report you wish to view.



22 • Reports ER-380 PC Utility

3. Select the report you wish to view and click **Open**.



4. Use the scroll bar or the arrow buttons to view the report

ER-380 PC Utility Reports • 23

24 • Reports ER-380 PC Utility

Prepare & Load Bitmap Logos

Preparing a Graphic Logo Bitmap for an ER-380

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.

Download a Graphic Logo to an ER-380

- 1. Install the ER-380 PC Utility on your PC.
- 2. At the ER-380, set the RS-232C option address #5 to a value of 1 (PC).

(S position; 80 SBTL; 5 X/TIME; 1 CASH; CASH)

- 3. Return key lock to **REG** and sign on a clerk.
- 4. Connect the PC to the ER-380 using one of the following cables:

CRS Part # 522035 (Register DB-9M to PC DB-9F)

CRS Part # 522038 (Register DB-9M to PC DB-25F)

- 5. At your PC, start the ER-380 PC Utility. (Select **Start**, **Programs**, **SHC PC UTILITY**, **ER-380 PC UTILITY**.) The **Store Setting** dialog box displays.
- 6. If you are starting the ER-380 PC Utility for the first time, you must define a store name, or if a store is already defined, you can select the store from the drop down list. After the store is defined or selected, click **Close**. The PC Utility program starts.
- 7. Move the .bmp logos you wish to use into the store directory (i.e. C:/ER-380PC/storename.)
- 8. At the PC Utility, choose **Convert Logo Image** from the **Utility** menu. The Bmp dialog box displays.
- 9. Click **FILE OPEN**. Select the bitmap image you wish to use from the **Open** dialog and click the **Open** command button.
- 10. Click the **SAVE AS PRE IMG** or **SAVE AS POST IMG** button.



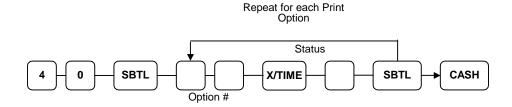
- 11. When the image is selected, click **OK**. Verify that the message "Save As UserPre.Img" or "Save As UserPost.Img" displays. If the file is too large, and cannot be loaded, the message "File Size Error" display.
- 12. Choose **PreAmble Image** or **PostAmble Image** from the **DownProgram** menu.
- 13. The screen will track the progress of the download. When complete, the **COMM COMPLETED** message will display, click **OK**.

Printing the Logo Image - ER-380 Settings

Two addresses in Print Option Programming affect graphic logo printing:

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



Appendix

Cabling Diagrams

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

Direct Connection

Part # 522035

PC Sam4s DB-9M DB-9F DCD1 1DCD RXD2 2RXD TXD3 3TXD DTR4 4DTR GND5 5GND DSR6 6DSR RTS7 7RTS CTS8 -8CTS VCC9 9RI

Part # 522038

Sam4s DB-9M	PC DB-25F
DCD1)—— 1ChGND
RXD2	2TXD
TXD3	3RXD
DTR4	/ 4RTS
GND5	5CTS
DSR6	6DSR
RTS7	7GND
CTS8 /	8DCD
VCC9	20DTR

ER-380 PC Utility Appendix • 29

30 • Appendix ER-380 PC Utility