
SAM4s ER-280 Series

PC Utility User's Manual



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Document Version 1.6

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Revision 2.0 - April 1, 2005

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Introduction

About the ER-280 Series PC Utility

The ER-280 Series PC Utility provides basic PC communication functions for SAM4s ER-285M. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

The ER-280 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
- Remote Modem Communication Capability

Note: The ER-280 Series PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.

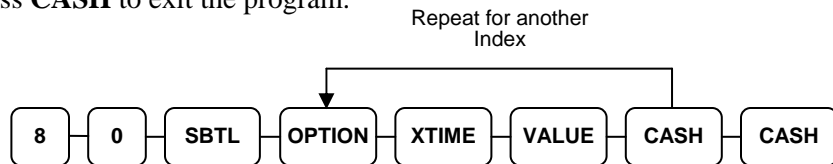
Getting Started

Setting the ER-285M RS-232C Port

At the ER-285M, you must select 'PC' as the device that is attached to one of the RS-232C communications port.

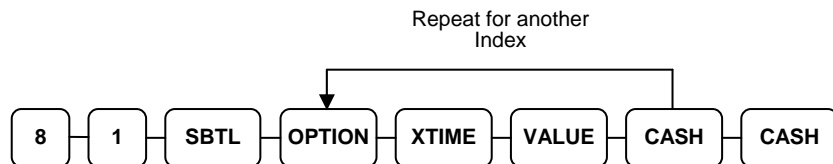
If you are using RS-232C Port #1:

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.



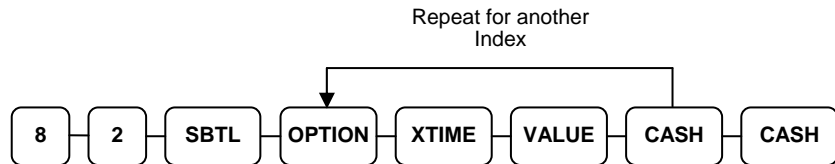
If you are using RS-232C Port #2:

1. Turn the control lock to the **S** position.
2. Enter **8 1** 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.



If you are using RS-232C Port #3:

1. Turn the control lock to the **S** position.
2. Enter **8 2** 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.



RS-232 Option Chart

N1	OPTION	N2	VALUE
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
		6	SCANNER
		7	COIN
		8	EFT
		9	POLE
10	PDC		
6	Initial Feeding Line KP	0 - 20	
7	End Feeding Line KP	0 - 20	
8	Initial Feeding Line Slip	0 - 20	
9	Print Line On Guest Check	0 - 50	
10	Scale Type	0	NCI
		1	CAS
11	Printer Type	0	NONE
		1	SAM4S ELLIX10
		2	SAM4S ELLIX20
		3	SRP-270
		4	SRP-350
		5	CITIZEN3550
		6	CITIZEN810
		7	CITIZEN230
		8	EPSON TMT88-2
		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	Pole Display	0	EPSON
		1	ICD

Preparing the ER-280 Utility for Communications

The register must be ready for communications:

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

Installing the Utility

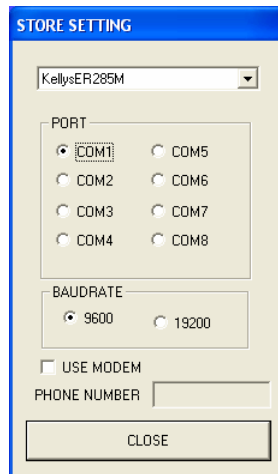
1. From Windows Explorer, locate the file: SETUP280.exe. Double click the file to open the installation dialog box.
2. Follow the instructions on the screen to complete the installation.

Starting the PC Utility

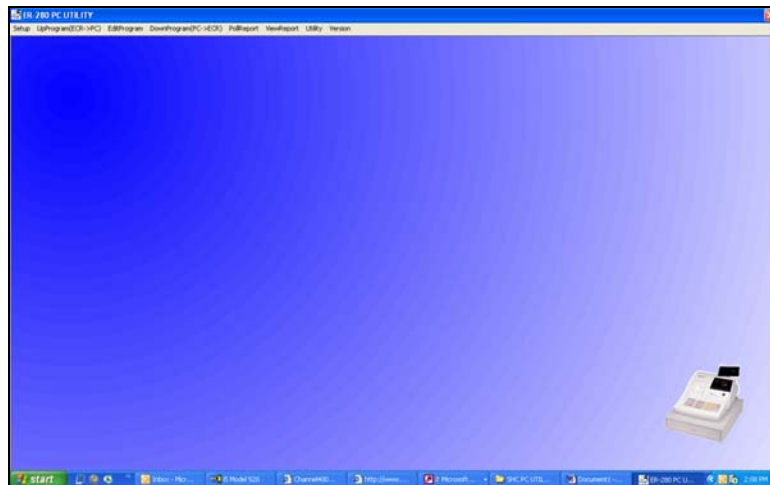
1. Choose **Start, Programs, SHC PC UTILITY** and then **280pc**. When starting the utility for the first time, the ADD STORE dialog box displays.



2. Enter the store name and click **OK**. The STORE SETTING dialog displays. *If you have already set up at least one store, the STORE SETTING dialog box display upon start-up.*



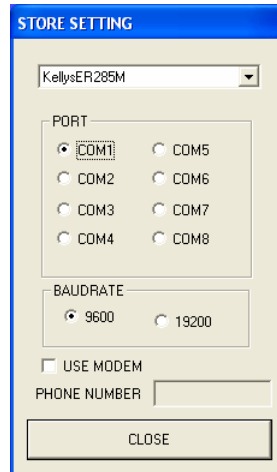
3. Select the store you wish to open, select the PORT (COM1-COM8), select the BAUDRATE (9600 or 19200) and click the **Close** button. The **ER-280 Series PC Utility** window opens for the selected store.



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**.

Using a Modem

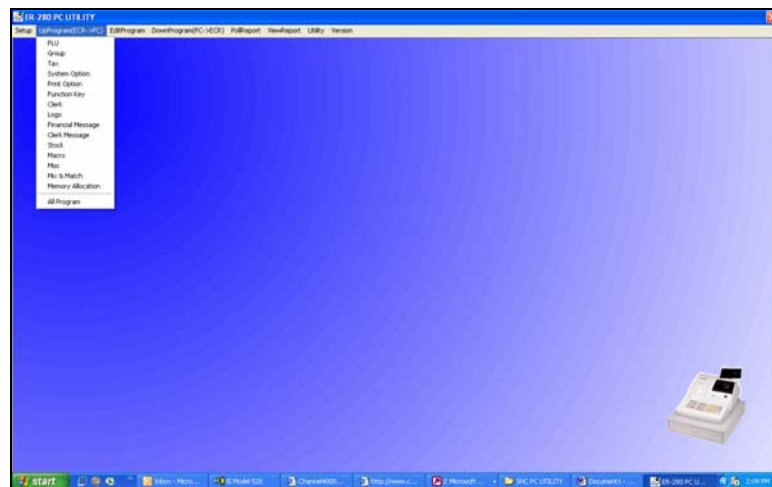
- ◆ Choose **Use Modem** check box and enter the phone number of the store in the **Phone Number** field.

Upload/Download Programs

UpProgram

You must upload a program before program edit functions are allowed. If you wish to programming at the PC, first upload all programs from a RAM-cleared ECR.

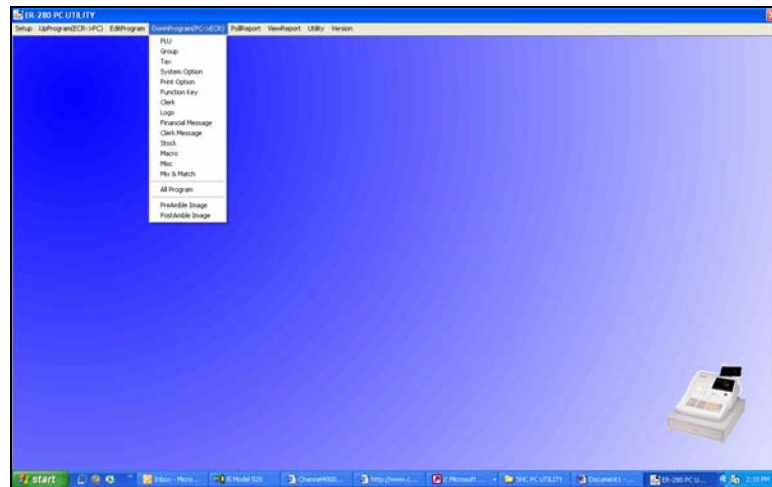
- ◆ Select the program segment you wish to upload from the **UpProgram** menu, or select **All Program** to upload the entire register program



DownProgram

Downloading a program will overwrite the existing register program.

- ◆ Select the program segment you wish to download from the **DownProgram** menu, or select **All Program** 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 (which can be viewed, but not changed), 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.

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

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

Tips

- Each Store's data, including both uploaded program files and polled report files, is located in a separate folder under the ER-280PC 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-285M Program and Operation* manual for an explanation of your program options.

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

Program Edit Screens

PLU

PROGRAMMING PLU - Right click to delete an item.

CODE	DESCRIPTOR	PRICE1
1	Hamburger	5.95
2	Cheese Burger	6.45
3	Bacon CheeseBurger	6.95
4	California Burger	6.35
5	Salsa Burger	5.75
6	Salsa CheeseBurger	6.35
7	Patty Melt	5.95
8	Bacon Patty Melt	6.45
9	Double Hamburger	7.95
10	Double Ch Burger	8.45
11	Dbl Bacon ChBurger	7.95
12	Hot Dog	0.95
13	Chili Dog	1.45
14	Chili Cheese Dog	1.95
15	French Fries	1.25
16	Cottage Fries	1.55
17	Hash Browns	2.15
18	Onion Rings	2.35
19	Pepsi	1.15
20	Diet Pepsi	1.15
21	Mt Dew	1.15
22	Diet Mt Dew	1.15
23	Ketchup	0.00
24	burgertime	10.00
25	pizza	0.00
26	PLU26	0.00
27	PLU27	0.00
28	PLU28	0.00
29	Gift Card Activate	0.00
30	Gift Card Add	0.00
31	PLU31	0.00
32	PLU32	0.00
33	PLU33	0.00
34	PLU34	0.00
35	PLU35	0.00

TOTAL PLU# : 56

PLU CODE: 1
 DESCRIPTOR: Hamburger
 GROUP: 1 0 0
 PRICE1: 5.95
 PRICE2: 4.95
 PRESET PRESET OVERRIDE
 TAXABLE BY: 1 2 3 4
 FOOD STAMP ELIGIBLE NEGATIVE ITEM
 HASH ITEM SINGLE ITEM
 NON ADD # COMP. GALLONAGE ITEM
 INVENTORY ITEM DISABLE
 SCALABLE AUTO SCALE
 CONDIMENT ITEM CONDIMENT COMP.
 PRINT ON RECEIPT PRINT PRICE ON RECEIPT PRINT ON CHECK
 DISABLE PROMO PRINT PRICE ON CHECK
 COUNTER NOT RESET
 PRESET OVERRIDE IN MGR MODE
 LINK PLU CODE: 0
 AUTO TARE: 0
 MIX & MATCH #: 1

Buttons: EXIT, SAVE, CANCEL

Groups

GROUP

#	DESCRIPTOR
1	Burgers
2	Hot Dogs
3	Potatos
4	Beverages
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
21	GROUP 21
22	GROUP 22

GROUP 1

DESCRIPTOR: Burgers

ADD TO GROUP TOTAL
 SEND TO KP

KP PORT:
 PORT # 1 PORT 2
 RECEIPT PORT 3

PRINT RED ON KP

GIFT CARD(1-2): 0

Buttons: SAVE, CANCEL

Tax

Tax

TAX1

ADD ON TAX TABLE VAT

RATE 6.500

GST TAXTABLE

TAX 1 TAX 2 TAX 3

SAVE CANCEL

System Option

SYSTEM OPTION

BEEPER ACTIVE MCR CLERK SIGN

CLERK ENTRY CODE % AND TAX CAL. ROUND UP AT 0.50

CLERK IS STAY DOWN SPLIT PRICE CAL. ROUND UP AT 0.50

DRAWER NEED TO BE SHUT TO OPERATE COMP. EAT-IN T-OUT D-THRU BEFORE TENDERING

ACTIVATE DRAWER OPEN ALARM HASH IS NORMAL

SECONDS TO ALLOW DRAWER OPEN (1-99) 30 RESET Z COUNTER AFTER Z1 REPORT

ALLOW POST TENDER FINAN. RPT. TIME RPT.

OPEN DRAWER ON POST TENDER PLU RPT. CLERK RPT.

ALLOW MULTIPLE RECEIPT GROUP RPT.

CASH DECLARATION REQ. BEFORE REPORTS RESET Z COUNTER AFTER Z2 REPORT

MGR CONTROL TO TEND NEG. BALANCE DAILY SALES REPORT

MGR CONTROL TO TEND ZERO BALANCE PRINTER PAPER SENSOR ACTIVE

RESET TRANSACTION NO. ON Z REPORT DEACTIVATE SPLIT PRICING

RESET GRAND TOTAL AFTER Z REPORT ALLOW DIRECT MULT

OPEN DRAWER WHEN REPORTS ARE RUN INVENTORY COUNT

OPEN DRAWER DURING TRAIN MODE COUNTER REPLACE CURR.LVL

DECIMAL PLACE 2 GLOBAL ENTRY LIMIT (0-14) 0

DATE FORMAT MDY DISABLE PRICE LEVEL KEY

MODIFIER POP UP AFTER ITEM LEVEL 1 LEVEL 2

PIN PAD (0-2) 0 PRICE LEVEL POP UP AFTER ITEM

M & M taxable ENABLE ELECTRONIC JOURNAL

PROMPT OPERATOR WHEN E.J BUFFER IS FULL

DISABLE CASH DECLARE

MCR USE DIGIT 0

STOP OPERATIONS WHEN E.J BUFFER IS FULL

SEND ONLY NEGATIVE ENTRIES TO E.J

SEND RESET REPORT TO E.J

DIRECT MULT MORE THAN ONE DIGIT

TENDER VALIDATION AMT OF SALE

NOT COUNT IN MEMROY IN VOID MODE

VAT SHIFT AFFECT THE WHOLE RECEIPT

CLERK INTERRUPT

DISPLAY ADD PRICE OF LINKED ITEMS

ALLOW SALE WITH 0 STOCK

ALLOW SWEDISH ROUNDING ON SUBTOTAL

ALLOW SWEDISH ROUNDING ON CASH

ALLOW Z STOCK REPORT

USE SPOOL

PERCENT NOT AFFECT TO NET SALE

USE MCR

OVERLAY DESCRIPTOR

EFT DRAFT IS DUKPT

MSR CONNECTED REGISTEF

PIN PAD TYPE DUKPT

MCR TRACK 1&2

KBD SHIFT 1-2, 3-4, 5-6..

SAVE CANCEL

Print Option

PRINT OPTION

<input checked="" type="checkbox"/> PRINT MEDIA TOTALS ON CLERK REPORT	<input type="checkbox"/> PRINT SUBTOTAL WITHOUT TAX	<input type="checkbox"/> PRINT PREAMBLE ON THE GUEST CHECK
<input checked="" type="checkbox"/> PRINT TAX SYMBOL	TAX AMOUNT IS <input type="text" value="ITEMIZE"/>	<input type="checkbox"/> PRINT POSTAMBLE ON THE GUEST CHECK
<input checked="" type="checkbox"/> PRINT VOID MODE AND RETURN ON RPT.	<input checked="" type="checkbox"/> PRINT TAX AMOUNT	<input checked="" type="checkbox"/> AVG ITEM / CUST <input checked="" type="checkbox"/> AVG \$ / CUST
<input type="checkbox"/> PRINT AUDACTION ON REPORT	<input type="checkbox"/> PRINT TAXABLE TOTAL	<input type="checkbox"/> BUFFER RECEIPT ISSUE WHEN REC IS ON
<input checked="" type="checkbox"/> SKIP ZERO TOTALS ON FINANCIAL RPT.	<input type="checkbox"/> PRINT TAX RATE	<input type="checkbox"/> PRIORITY PRINT BY GROUP ON KP
<input type="checkbox"/> SKIP ZERO TOTALS ON CLERK REPORT	<input type="checkbox"/> VAT BREAKDOWN	<input type="checkbox"/> PRINT PLU # ON RECEIPT
<input type="checkbox"/> PRINT CLERK REPORT AFTER FINAN. RPT	<input type="checkbox"/> PRINT TRAIN MODE TITLE IN TRAINING MODE	<input type="checkbox"/> PRE-PRN GRAPHIC LOGO ON RECEIPT
<input type="checkbox"/> PRINT SALE ITEM NO.	CURRENCY SYMBOL	<input type="checkbox"/> POST-PRN GRAPHIC LOGO ON RECEIPT
<input type="checkbox"/> PRINT PLU WITH ZERO TOTALS ON RPT.	CONV # 1 <input type="text" value="€"/>	<input checked="" type="checkbox"/> PRE-PRINTING LOGO IS DEFAULT
<input type="checkbox"/> PRINT SUBTOTAL WHEN PRESSE	CONV # 2 <input type="text" value="€"/>	<input checked="" type="checkbox"/> POST-PRINTING LOGO IS DEFAULT
<input checked="" type="checkbox"/> PRINT % OF SALES ON PLU REPORT	CONV # 3 <input type="text" value="€"/>	<input type="checkbox"/> PRE-PRN GRAPHIC LOGO ON GUEST CHECK
<input checked="" type="checkbox"/> PRINT CONS. NO.	CONV # 4 <input type="text" value="€"/>	<input type="checkbox"/> POST PRN GRAPHIC LOGO ON GUEST CHECK
<input checked="" type="checkbox"/> PRINT DATE <input checked="" type="checkbox"/> PRINT TIME	<input checked="" type="checkbox"/> PRINT KP ORDER # ON RECEIPT	<input type="checkbox"/> NOT PRINT WHEN POLLING REPORTS
<input checked="" type="checkbox"/> PRINT MACHINE NO.	<input checked="" type="checkbox"/> PRINT PRICE ON KP	<input type="checkbox"/> PRINT PLU # ON PLU REPORTS
<input checked="" type="checkbox"/> PRINT CLERK NAME	<input type="checkbox"/> SEND TO KP IN VOID MODE	GRAND TOTAL IS <input type="text" value="GROSS"/>
HOME CURRENCY SYMBOL <input type="text" value="\$"/>	<input type="checkbox"/> SEND TO KP IN TRAIN MODE	<input type="checkbox"/> SEND ORDER TO KP AT SUBTOTAL
<input checked="" type="checkbox"/> PRINT Z COUNTER	<input checked="" type="checkbox"/> COMBINE LIKE ITEMS ON KP	<input type="checkbox"/> PRINT DATE ON SERV ON HARD CHECK
<input type="checkbox"/> PRINT RECEIPT WHEN SIGN ON/OFF	<input checked="" type="checkbox"/> CONSOLIDATION ON CHECK TRACK	
<input type="checkbox"/> PRINT GRAND TOTAL	VOLUME UNIT <input type="text" value="GAL"/>	EDIT PRE FEEDING LINE (0-5) <input type="text" value="0"/>
<input checked="" type="checkbox"/> ON X REPORT <input checked="" type="checkbox"/> ON Z REPORT	<input type="checkbox"/> PRINT PREAMBLE MESSAGE ON RECEIPT	EDIT END FEEDING LINE (0-5) <input type="text" value="0"/>
<input type="checkbox"/> PRINT GROSS TOTAL	<input type="checkbox"/> PRINT POSTAMBLE MESSAGE ON RECEIPT	<input type="checkbox"/> PRINT E.J FROM OLDEST
<input checked="" type="checkbox"/> ON X REPORT <input checked="" type="checkbox"/> ON Z REPORT	<input type="checkbox"/> MASK CARD NUMBER ON ALL EFT DRAFTS	FONT SIZE IS <input type="text" value="NORMAL"/>
COPY OF DATATRAN RECEIPT (0-99) <input type="text" value="1"/>		

SAVE CANCEL

Function Key

Function Key

Function Key

- NoSale
- % 1
- % 2
- % 3
- % 4
- % 5
- ADDCHK
- CANCEL
- ~C~A~S~H
- ~V~I~S~A
- CHARGE2
- CHARGE3
- CHARGE4
- CHARGE5
- CHARGE6
- CHARGE7
- CHARGE8
- CHKCASH
- CHKENDOR
- CHECK
- CHECK #
- CONV1
- CONV2
- CONV3
- CONV4
- Drive
- Eatin
- ERRCORR
- F/S SUB
- F/S Tend

SAVE CANCEL

NoSale

DESCRIPTOR 1

DESCRIPTOR 2

KEY DISABLE PRINT ON N/S

INHIBIT NO SALE AFTER NON-ADD #

ENFORCE# ENTRY AT START OF SALE

UNDER MGR CONTROL

NON-ADD# PROHIBIT

COMP. NON-ADD # MUST MATCH MAX DIGIT

PRINT NON-ADD ON GUEST CHECK

MAX DIGIT (0 - 8)

OK CANCEL

Clerk

CLERK

#	DESCRIPTOR
1	Kelly
2	Jill
3	Huckle
4	Tina
5	Lauren
6	Rick
7	Mike
8	Bob
9	Linda
10	Marissa
11	Anna
12	Shannon
13	Katie
14	Mason
15	Albert

CLERK 1

DESCRIPTOR

CLERK CODE

TRAIN CLERK

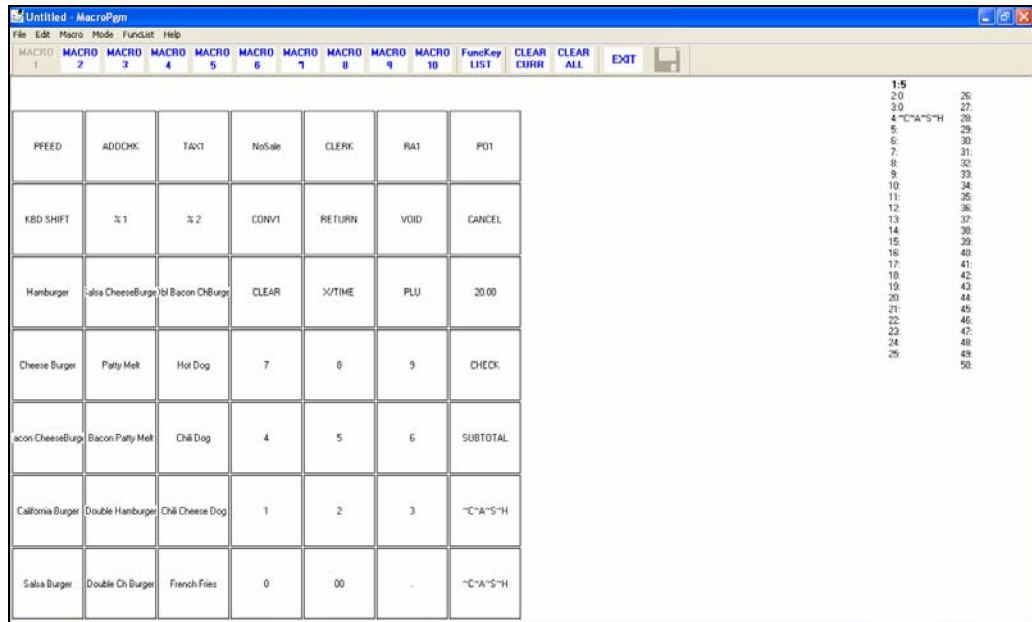
DRAWER ASSIGN (0-1)

Logo/Descriptors

LogoDesc

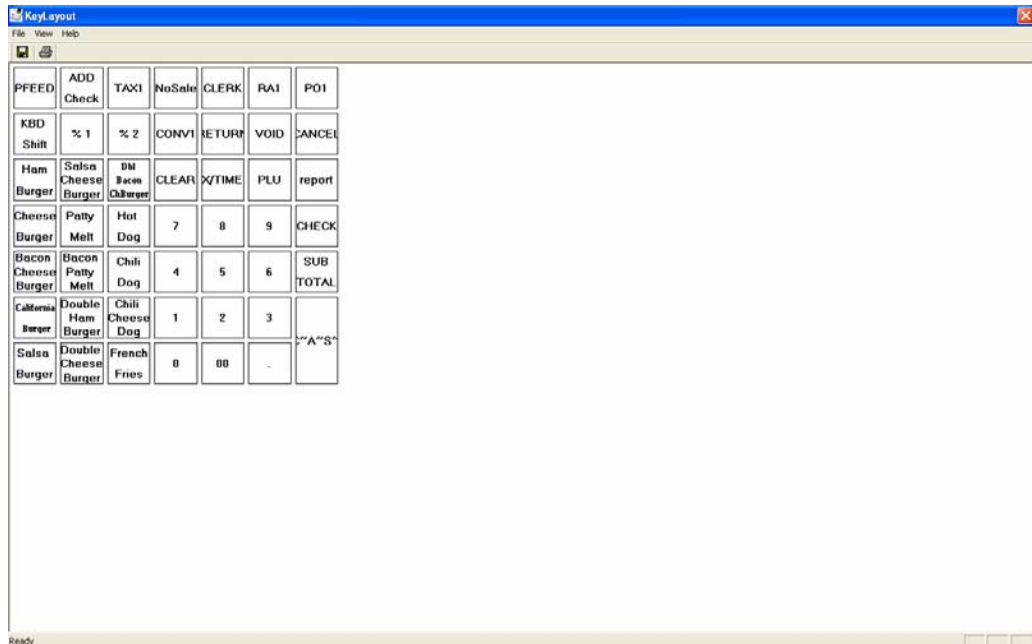
PREAMBLE	ENDORSEMENT MESSG	FINANACIAL REP MESSG	CLERK REP MESSG
<p>Welcome to Kelly's Grill</p> <p>We Offer The Greatest B</p> <p>Ask Your Server About T</p> <p>~S~P~E~C~I~A~L~</p> <p>Tuesdays Are Kids Eat Fr</p> <p>They Must Bring Their Pa</p>	<p>Pay to the order of</p> <p>Kelly's Grill, St. Paul, MN</p> <p>Acct# 1234567890-09</p>	<p>+PLU TTL</p> <p>FINANCIAL REP. <input type="button" value="▲"/></p> <p>+PLU TTL</p> <p>-PLU TTL</p> <p>ADJST TTL</p> <p>NONTAX</p> <p>TAX1 SALES</p> <p>TAX2 SALES</p> <p>TAX3 SALES</p> <p>TAX4 SALES</p> <p>TAX1</p> <p>TAX2</p> <p>TAX3</p> <p>TAX4</p> <p>XMPT1 SALES</p> <p>XMPT2 SALES</p> <p>XMPT3 SALES</p> <p>XMPT4 SALES</p> <p>EATIN TTL</p> <p>TAKEOUT TTL</p> <p>DRTHRU TTL</p> <p>% 1</p> <p>% 2</p> <p>% 3</p> <p>% 4</p> <p>% 5</p> <p>NET SALE</p> <p>CREDIT TAX1</p>	<p>NET SALE</p> <p>CLERK REP. <input type="button" value="▲"/></p> <p>NET SALE</p> <p>NONTAX</p> <p>TAX1 SALES</p> <p>TAX2 SALES</p> <p>TAX3 SALES</p> <p>TAX4 SALES</p> <p>TAX1</p> <p>TAX2</p> <p>TAX3</p> <p>TAX4</p> <p>XMPT1 SALES</p> <p>XMPT2 SALES</p> <p>XMPT3 SALES</p> <p>XMPT4 SALES</p> <p>EATIN TTL</p> <p>TAKEOUT TTL</p> <p>DRTHRU TTL</p> <p>% 1</p> <p>% 2</p> <p>% 3</p> <p>% 4</p> <p>% 5</p> <p>CREDIT TAX1</p> <p>CREDIT TAX2</p> <p>CREDIT TAX3</p> <p>CREDIT TAX4</p>
<p>POSTAMBLE</p> <p>Thank-You For Choosing</p> <p>If You Enjoyed Your Me</p> <p>Tell Your Friends.</p> <p>If You Did Not, Please Te</p> <p>123 Kelly Way, St. Paul,</p> <p>1-800-333-4949</p>	<p>DATATRAN MSG</p> <p>~K~e~l~l~y~'~s~ ~G~r~i~l~</p> <p>St. Paul, MN 55110</p> <p>Please Come Again!!!</p>		

Macro



Key Layout

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



Comm Port

CommPort

PORT 1

BAUDRATE	9600	PARITY	NONE
DATA BITS	8 BIT	STOP BIT	1 BIT
SCALE TYPE	NCI	POLE DISPLAY TYPE	EPSON
DEVICE FUNCTION	PC	PRINTER TYPE	NONE
INITIAL FEEDING LINE (0-20)	0	ENDING FEEDING LINE (0-20)	7
INITIAL FEEDING LINE ON SLIP (0-20)	0	PRINT LINE ON GUEST CHECK (0-50)	0

SAVE CANCEL

Mix & Match

MIX&MATCH

#	DESCRIPTOR
1	Kelly's Discount
2	Dennis's DIS
3	DISCOUNT 3
4	DISCOUNT 4
5	DISCOUNT 5
6	DISCOUNT 6
7	DISCOUNT 7
8	DISCOUNT 8
9	DISCOUNT 9
10	DISCOUNT 10
11	DISCOUNT 11
12	DISCOUNT 12
13	DISCOUNT 13
14	DISCOUNT 14
15	DISCOUNT 15
16	DISCOUNT 16
17	DISCOUNT 17
18	DISCOUNT 18
19	DISCOUNT 19
20	DISCOUNT 20

DISCOUNT 1

DESCRIPTOR Kelly's Discount

TRIP LEVEL 3

PRICE 6.00

OK Cancel

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

Etc

TARE WEIGHT

0.000

0.000

0.000

0.000

0.000

DRAWER LIMIT 0.00

CHECK CHANGE LIMIT 0.00

MACHINE NUMBER 0

SAVE CANCEL

Memory Allocation

Memall

MEMORY SIZE 928576

OF PLU 2000

PLU PRICE LEVEL 2

OF CLERK 10

OF GROUP 20

OF CHECK 15

OF SOFT CHECK 30

CHECK TYPE SOFT

MIX & MATCH 10

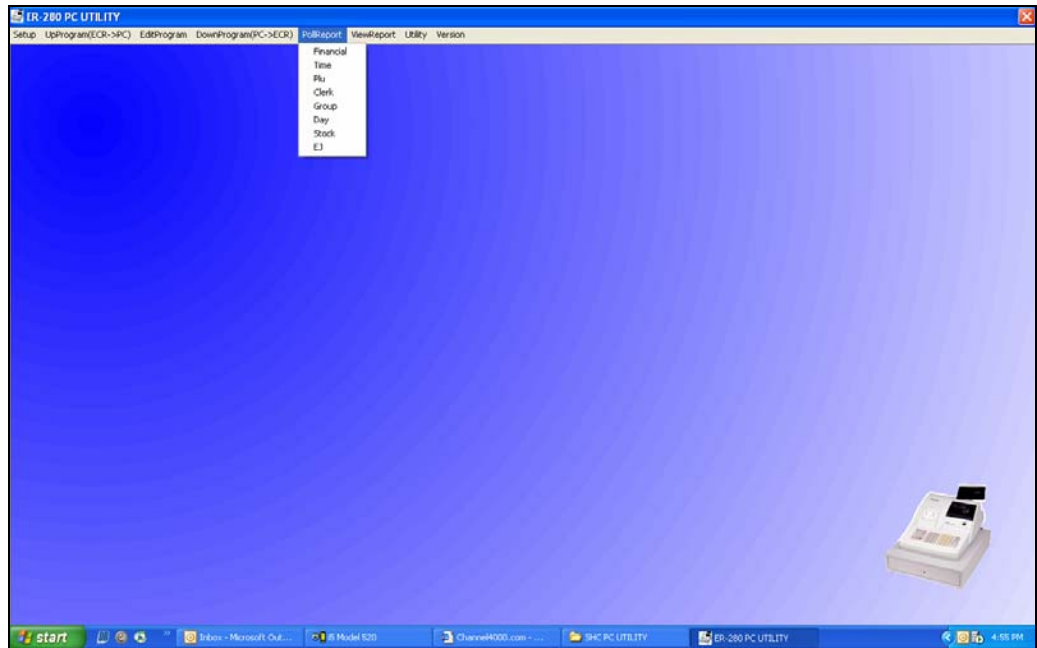
EJ LINES 5000

OK

Reports

Poll Reports

- ◆ Select the report you wish to poll from the **PollReport** menu.



Report File Conventions

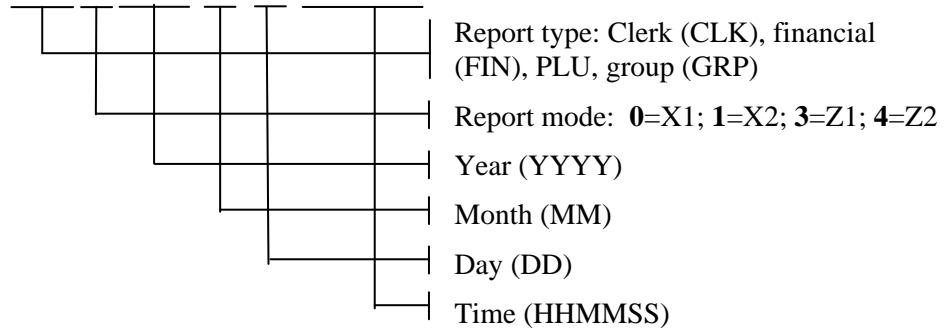
Polled reports are stored in a folder named with the current date, located in a folder under the store name. For example:

C:\ER-280PC\Storename\041207

Where 041207 is the date the reports were polled, April 12, 2007.

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

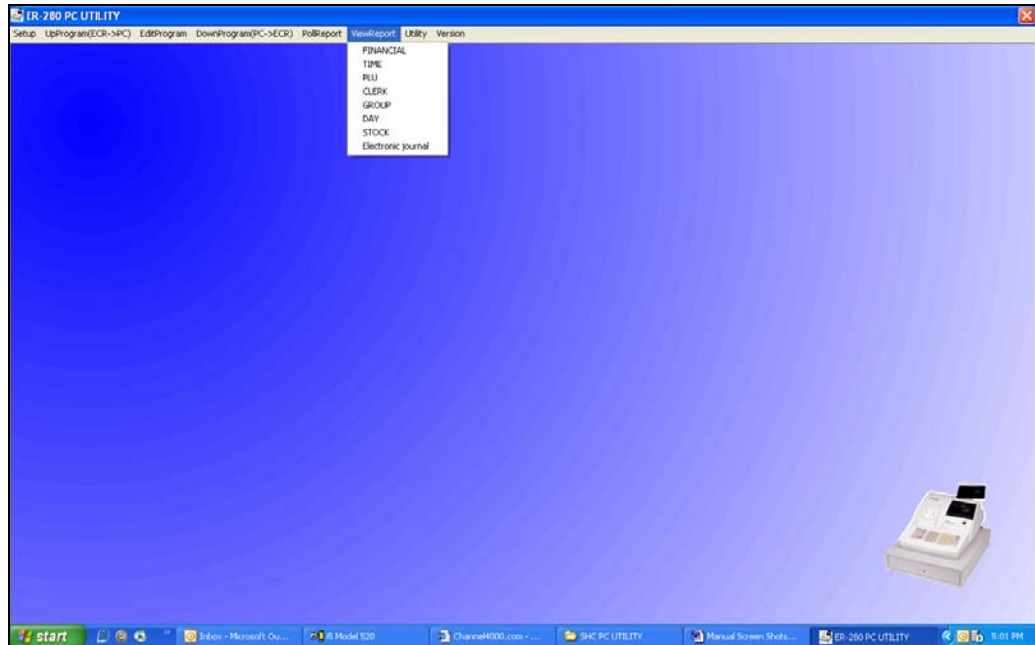
CLK020070412113449.rep



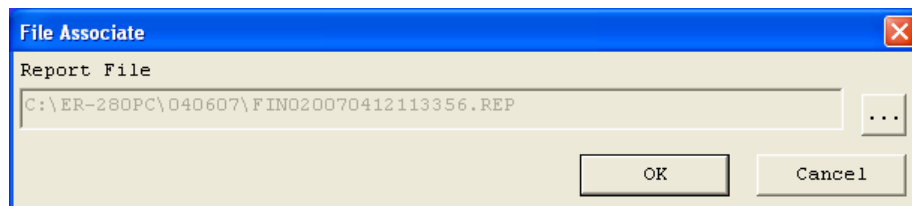
View Reports

SAM4s ER-280 series reports are saved in .RPT format. These files are not ASCII and cannot be directly read by a report editor. However, with this utility, you can view the report data, export it to Microsoft Excel, and/or export it to a text file.

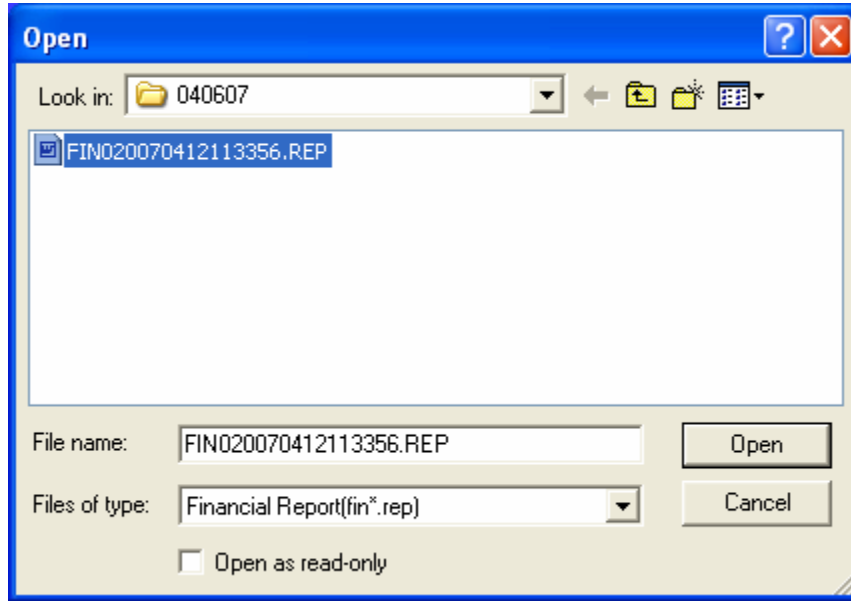
1. Select the type of report you wish to view from the ViewReport menu.



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



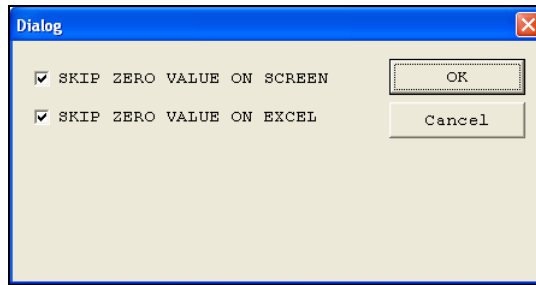
- Select the report you wish to view. Note that report you select must match the type of report you selected from the menu. For example, if you selected PLU from the ViewReport menu, you must select a report file that begins with the text “PLU ...”; if you selected FINANCIAL from the ViewReport menu,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



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

DESCRIPTOR	COUNT	TOTAL
+PLU TTL	63.00	352.91
-PLU TTL	3.00	-23.97
ADJST TTL	66.00	328.94
NONTAX	3	-23.97
TAX1 SALES	0	350.97
TAX2 SALES	0	29.75
TAX3 SALES	0	29.75
TAX4 SALES	0	29.75
TAX1	0	21.05
TAX2	0	0.30
TAX3	0	0.60
TAX4	0	0.90
% 1	1	-1.94
NET SALE	8	349.85
CREDIT TAX2	1	-0.06
CREDIT TAX3	1	-0.12
CREDIT TAX4	1	-0.18
RETURN	1	-5.95
PREVIOUS VD	1	-5.95
VOID MODE	-1	-6.67
CANCEL	1	5.95
GROSS SALES	0	388.74
CASH SALES	7	316.03
CHECK SALES	1	33.82

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



6. From the report window, choose:

Print: to print the file at your printer

Export to Excel: to save the report in text (.xls) format

View on Excel: to open Excel and view the file

Export to Text: to save the report in Excel (.txt) format

File Associate: to select a new financial report

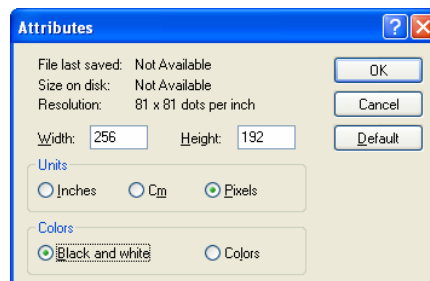
Close: to exit

Prepare & Load Bitmap Logos

Preparing a Graphic Logo Bitmap for an ER-285M

The image must be black/white, 256 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 256 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 256 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 256 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 256 x 192 pixel limit.

5. After the image is sized, select **Black and white** in the **Attributes** dialog.
6. Save your image as type “Monochrome Bitmap (*.bmp,*.dib)” and confirm that the size is 10k or less. If you resized your original image, you may wish to rename when you save, so that you preserve a copy of the original image.

Download a Graphic Logo to an ER-285M

1. Install the *ER-280 PC Utility* on your PC.
2. At the ER-285M, set the RS-232C option address #5 to a value of 1 (PC).
(S position; 80 SBTL; 5 X/TIME; 1 CASH; CASH, or
S position; 81 SBTL; 5 X/TIME; 1 CASH; CASH, or
S position; 82 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-285M using one of the following cables:
CRS Part # 522126 (Register DB-9M to PC DB-9F)
CRS Part # 522038 (Register DB-9M to PC DB-25F)
CRS Part # 522124 (For port #3 Register RJ45 to PC DB-9F)
5. At your PC, start the ER-280 PC Utility. (Select **Start, Programs, SHC PC UTILITY, ER-280 PC UTILITY.**) The **Store Setting** dialog box displays.
6. If you are starting the ER-280 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-280PC/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.

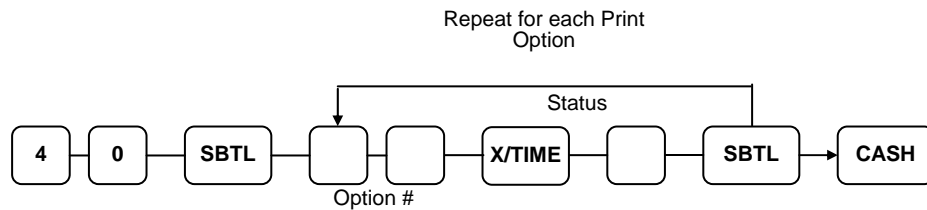
To set the Logo Print through the Register

- ◆ Turn the key lock to the P position and use the flowchart to set options #28 and #30 as needed.

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”.

Print Option Flowchart (P Key Lock Position)



Import/Export PLU Files

PLU PGM to Excel/PLU Excel to PGM Utilities

Import/Export utilities are available in the ER-280 PLU Utility Version 01.010 or later.

This feature of the *SAM4s ER-285 PC Utility* is found under the Utility tab. Select “PLU PGM TO EXCEL” or “PLU EXCEL TO PGM”.

- When the “PLU PGM TO EXCEL” utility is run, the Excel file is placed into the folder: C:\ER-280PC\Storename. The file is named PLU.csv.
- When the “PLU EXCEL TO PGM” utility is run, the PLU.csv file in the folder: C:\ER-280PC\Storename will replace the PLU file to the register folder.

PLU Key for CSV Import/Export

Example of Exported CSV File (in Excel):

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

Excel PLU.csv Key	
Column on PLU.csv	Corresponding Option
A	PLU #:
B	DESCRIPTOR
AI	PRICE/HALO 1
AJ	PRICE/HALO 2
F	PRESET
G	PRESET OVERRIDE
H	TAXable By: 1
I	TAXable By: 2
J	TAXable By: 3
K	TAXable By: 4
L	FOOD STAMP ELIGIBLE
M	NEGATIVE ITEM
N	HASH
O	SINGLE ITEM
P	NON-ADD # COMP.
Q	GALLONAGE ITEM
R	INVENTORY ITEM
S	DISABLE
T	SCALEABLE
U	AUTO SCALE
V	CONDIMENT
W	COMP. CONDIMENT
X	PRINT ON RECEIPT
Y	*
Z	PRINT ON CHECK
AA	PRINT PRICE ON RECEIPT
AB	PRINT PRICE ON CHECK
AC	DISABLE PROMO
AD	COUNTER NOT RESET
AE	PRESET OVERRIDE IN MANAGER CONTROL
AF	AUTO TARE (1-5)
AG	LINK PLU
C	GROUP # 1 (1-20)
D	GROUP # 2 (1-20)
E	GROUP # 3 (1-20)
AH	LINK M&M TABLE #

*Y column in the PLU>csv file is always "Y".

PLU Key Viewed on Utility PLU Program Window

PROGRAMMING PLU - Right click to delete an item.

CODE	DESCRIPTOR	PRICE1
1	Lunch Buffet	5.99
2	Eat In	0.00
3	Take Out	0.00
4	Catering	0.00
5	Delivery	0.00
6	Soft Drink	1.50
7	Coffee	1.50
8	Tea	1.00
9	Dessert	0.00
10	Misc	0.00
11	PLU11	0.00
12	PLU12	0.00
13	PLU13	0.00
14	PLU14	0.00
15	PLU15	0.00
16	PLU16	0.00
17	PLU17	0.00
18	PLU18	0.00
19	PLU19	0.00
20	PLU20	0.00
21	PLU21	0.00
22	PLU22	0.00
23	PLU23	0.00
24	PLU24	0.00
25	PLU25	0.00
26	PLU26	0.00
27	PLU27	0.00
28	PLU28	0.00
29	PLU29	0.00
30	PLU30	0.00
31	PLU31	0.00
32	PLU32	0.00
33	PLU33	0.00
34	PLU34	0.00
35	PLU35	0.00

TOTAL PLU# : 54

PLU CODE: 1 (A)

DESCRIPTOR: Lunch Buffet (B)

GROUP: 1 (C, D, E)

PRICE1: 5.99 (AI)

PRICE2: 0.00 (AJ)

PRESET: (F) PRESET OVERRIDE: (G)

TAX: 1 (H) 2 (I) 3 (J) 4 (K)

FOOD STAMP ELIGIBLE (L) HASH ITEM (N) NON ADD # COMP. (P) INVENTORY ITEM (R) SCALABLE (T) CONDIMENT ITEM (V) PRINT ON RECEIPT (X) PRINT PRICE ON RECEIPT (AA) DISABLE PROMO (AC)

NEGATIVE ITEM (M) SINGLE ITEM (O) GALLONAGE ITEM (Q) DISABLE (S) AUTO SCALE (U) CONDIMENT COMP. (W) PRINT ON CHECK (Z) PRINT PRICE ON CHECK (AB) COUNTER NOT RESET (AD) PRESET OVERRIDE IN MGR MODE (AE)

LINK PLU CODE: 0 (AG)

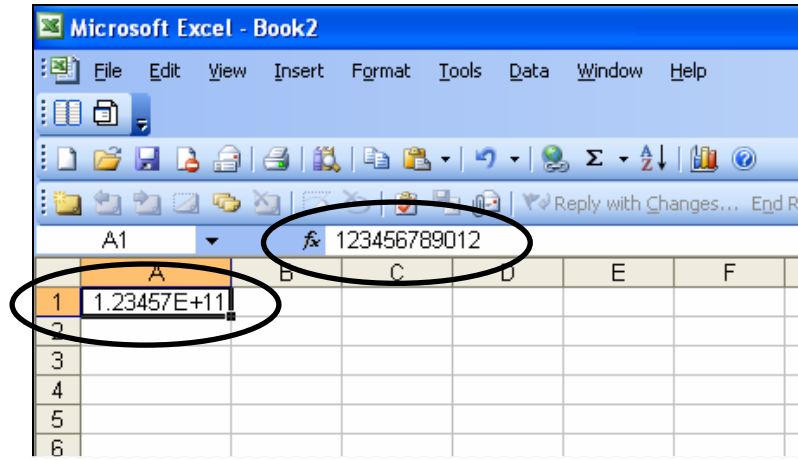
AUTO TARE: 0 (AF)

MIX & MATCH #: 0 (AH)

Buttons: EXIT, SAVE, CANCEL

Import Note – Notation of Large PLU Numbers

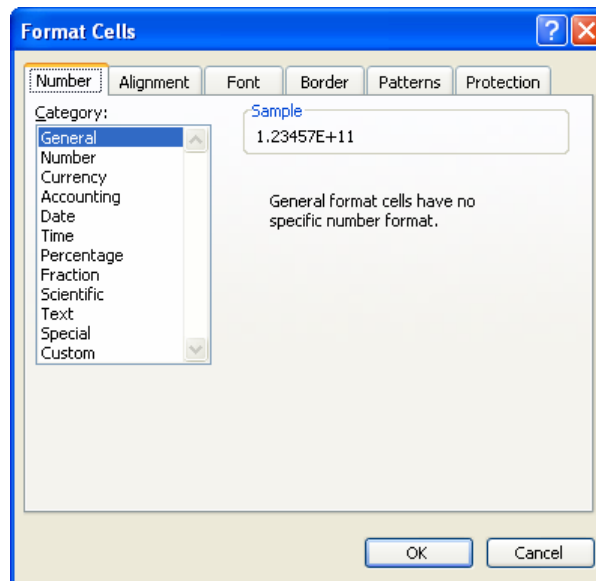
Using default Microsoft Excel™ settings, numbers exceeding 12 digits will display in scientific notation as shown in the sample sheet below:



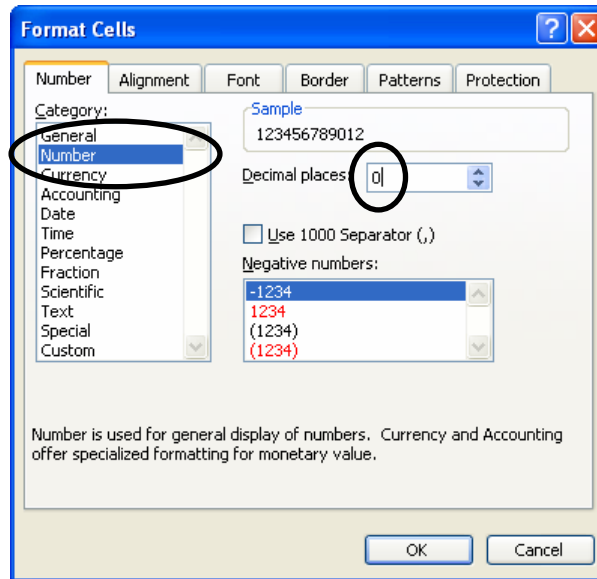
Caution If you are editing a PLU.csv file in Excel, *and* you are using large PLU numbers (such as 14-digit UPC numbers), you must take care to change the formatting of the number in Excel, so that the correct PLU number is sent to the PLU file.

To Change PLU Number Display in Excel

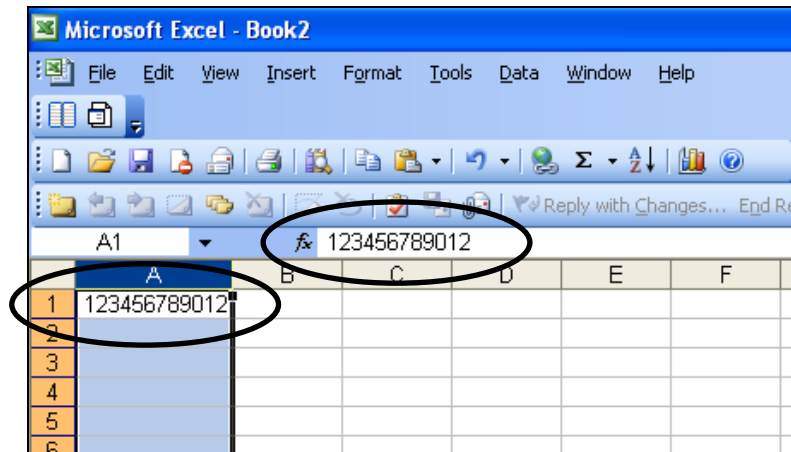
1. On the Excel spreadsheet, select column “A” (the PLU number column).
2. Choose **Cells** from the **Format** menu. The **Format Cells** dialog box displays with the **Number** tab selected. Note the the Category selected is “General”.



3. Select the 'Number' category and set the Decimal places field to "0".



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

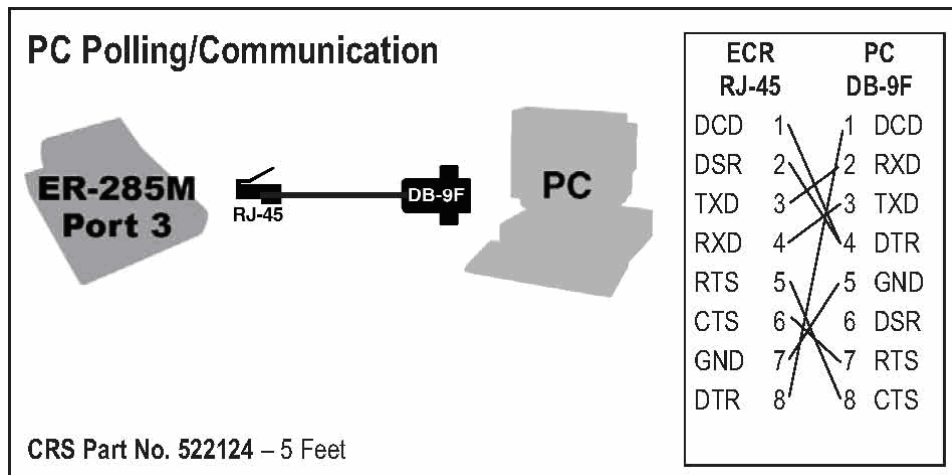
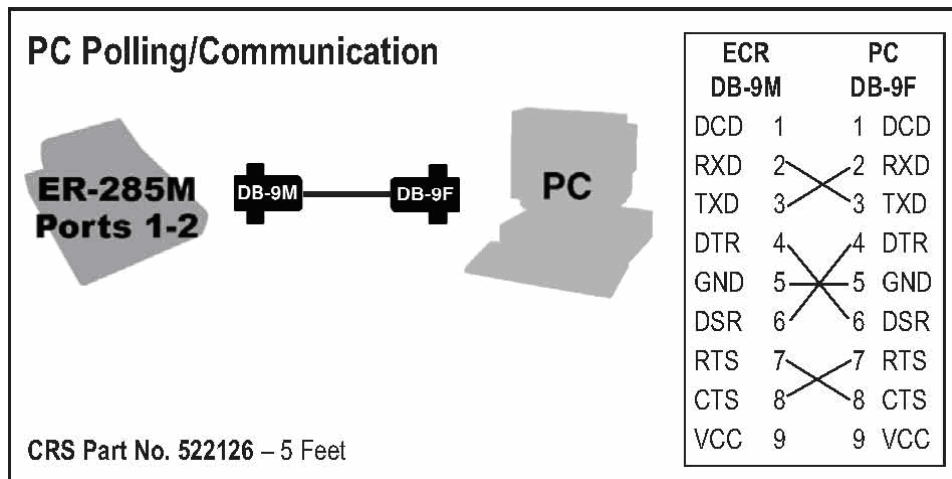


Appendix

Cabling Diagrams

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

Direct Connection



Manual Revision Record

Edition	Date published	Revision contents
V1.1	7/9/2007	Initial Publication
V1.2	7/31/2008	Import/Export PLU Information Added
V1.3	10/15/2008	Import/Export PLU Information Revised
V1.4	7/1/2009	Updated instructions for printing logo image
V1.5	9/1/2009	Updated Cable Diagrams
V1.6	10/7/2011	Improved explanation of PLU EXCEL to PGM utility.