
Samsung SPS-300 Series

PC Utility User's Manual



SPS-300 Series PC Utility v1.3

All specifications are subject to change without notice.

©2013, CRS, Inc.

CRS, Inc.

Limited Warranty and Disclaimers of Warranty

This manual has been developed by CRS, Inc. It is intended for the use of its customers and service personnel and should be read in its entirety before attempting to install, use or program the product(s).

Nothing contained in this manual shall be deemed to be, and this manual does not constitute, a warranty of, or representation with respect to, the product or any of the products to which this manual applies. This manual is subject to change without notice and CRS, Inc. has no obligation to provide any updates or corrections to this manual. Further, CRS, Inc. also reserves the right, without prior notice, to make changes in equipment design or components as it deems appropriate. No representation is made that this manual is complete or accurate in all respects and CRS, Inc. shall not be liable for any errors or omissions contained in this manual. In no event shall CRS, Inc. be liable for any incidental or consequential damages relating to or arising out of the use of this manual. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be photocopied or reproduced without prior written consent of CRS, Inc.

NOTICE

IF ANY WARRANTY IS EXTENDED TO YOU WITH REGARD TO THE PRODUCT(S) TO WHICH THIS MANUAL APPLIES, IT IS A WARRANTY FROM THE ENTITY OR INDIVIDUAL FROM WHOM YOU DIRECTLY PURCHASED THE PRODUCT(S).

SUBJECT TO THE FOREGOING, UNLESS YOU ARE A DIRECT END USER CUSTOMER OF CRS, INC., CRS, INC. DOES NOT EXTEND TO YOU ANY EXPRESS WARRANTY OR ANY IMPLIED WARRANTY AND EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR USE, OR FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS IN CONNECTION WITH THE PRODUCT(S) OR ANY SOFTWARE, DRIVERS, OR PROGRAMMING PRODUCT, WHETHER EMBEDDED IN PRODUCT(S) OR PROVIDED AS A SEPARATE PROGRAM, OR USED IN CONJUNCTION WITH THIS/THESE PRODUCT(S). CRS, INC. SPECIFICALLY DOES NOT WARRANT THAT THE OPERATION OF ANY DRIVERS, SOFTWARE, OR PROGRAMMING PRODUCTS LICENSED HEREUNDER, WHETHER EMBEDDED IN PRODUCTS OR PROVIDED AS SEPARATE PROGRAMS, SHALL BE UNINTERRUPTED OR ERROR FREE OR THAT FUNCTIONS CONTAINED IN SUCH DRIVERS, SOFTWARE OR PROGRAMMING PRODUCTS SHALL OPERATE IN COMBINATION(S) WHICH MAY BE SELECTED FOR USE BY YOU OR OTHERWISE MEET YOUR REQUIREMENTS.

CRS, Inc. is not responsible for any damages or loss, either direct, indirect, special, incidental or consequential, which you may experience as a result of your purchase or use of the product(s). Your sole remedy in the event that you encounter any difficulties with the product(s) is against the entity or individual from whom you purchased the product(s).

Revision 2.0 - April 1, 2005

Contents

Table of Contents

Introduction	5
About the SPS-300 PC Utility	5
SPS-300 Series PC Utility Features.....	5
Getting Started	6
Setting the SPS-300 RS-232C Port.....	6
Installing the Utility	8
Starting the PC Utility	8
Store Settings	9
Selecting a Store	10
Adding a Store	10
Removing a Store	10
Upload/Download Programs	11
UpProgram.....	11
DownProgram.....	12
Edit Programs	13
Procedures	13
Program Edit Screens	14
PLU	15
Groups	16
Tax.....	16
System Option	17
Print Option	17
Function Key	18
Clerk	18
Logo/Descriptors	19
PLU Stock	20
NLU.....	21
PLU LookUp	22
Macro	22
Key Layout	24
Comm Port	27
Mix & Match	27
Etc. – Tare/Age Verification/Drawer Limit/Change Limit/PC Schedule	
Time/Training Mode Password	28
Memory Allocation	29

Reports	30
Collecting Reports	30
Saving Reports to an SD Card	30
Report File Conventions	30
View Reports	31
 Prepare & Load Bitmap Logos	 33
Load/Save Receipt Images	33
Preparing a Graphic Logo Bitmap for an SPS-300 Series	33
Use the PC Utility to Convert the Image	34
Copy the Images to an SD Card	35
Load the Images by SD Card	35
Saving Images from an SPS-300 to an SD Card	35
Printing the Logo Image – SPS-300 Settings	36
 Import/Export PLU Files	 37
PLU PGM to Excel/PLU Excel to PGM Utilities	37
PLU Key for CSV Import/Export	37
PLU Key Viewed on Utility PLU Program Window	39
.....	39
Import Note – Notation of Large PLU Numbers	40
 Appendix	 42
Cabling Diagrams	42
 Manual Revision Record	 43

Introduction

About the SPS-300 PC Utility

The SPS-300 PC Utility provides basic PC communication functions for Samsung SPS-300 Series ECRs: SPS-320, SPS-340, and SPS-345. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

Note: The SPS-300 PC Utility supports direct onsite serial connection to the ECR or Modem communications via a phone line.

SPS-300 Series PC Utility Features

- Support Multiple Stores
- Save and Load ECR programs
- Edit ECR programs
- Convert and Download Logo bitmap images for the receipt
- Modem connection over a wired phone line

Note: The SPS-300 Series PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.

Getting Started

Setting the SPS-300 RS-232C Port

At the SPS-300 Series ECR, you must select 'PC' as the device that is attached to one of the available RS-232C communications ports.

1. At the **S** control lock position menu, press **8** for RS232C programming. The port selection screen displays:

```
RS232 PORT

1. RS232 PORT 1
2. RS232 PORT 2
3. RS232 PORT 3
4. RS232 PORT 4
```

2. Enter the digit (1-4) corresponding to the port you wish to program. The appropriate **PORT PROGRAM** screen displays:

```
PORT 1 PROGRAM PG1
BAUD RATE                                0 ←
 0:9600   1:1200   2:2400
 3:4800   4:19200  5:38400
 6:57600  7:115200
PARITY CHECK                                0
0:NONE   1:ODD    2:EVEN
DATA BITS (0:8 1:7)                        0
```

3. Set the **BAUD RATE** to match the setting used in the SPS-300 PC Utility, set **PARITY CHECK** setting to “0” for **NONE** and **DATA BITS** setting to “0” for **8** data bits.
4. Press **PAGE DOWN** to view page 2 of the RS232C port program:

PORT 1 PROGRAM PG2		
STOP BITS (0:1 1:2)		0 ←
DEVICE FUNCTION		1

0:NONE	1:PC	2:SCL
3:RJ	4:RP	5:LIQUOR
6:SCAN	7:COIN	8:RESERVED
9:POLE	10:EFT	11:PDC

5. Set the **STOP BITS** setting to “0” for **1** stop bit.
6. Press **ENTER** to select the **DEVICE FUNCTION** field. Press “1” to select **PC** as the device function and press the **CLEAR** key to exit and save changes.

Installing the Utility

The SPS-300 PC Utility can be downloaded from the SPS-300 Series page in the Dealer Area on the CRS Web Site at: <http://crs-usa.com/DEALER/deal300.asp>

1. Download and extract the SPS-300 PC Utility to a folder on your hard drive.
2. From Windows Explorer, locate the file: setup300.exe. Double click the file to open the installation dialog box.
3. Follow the instructions to complete the installation.

Starting the PC Utility

1. Choose **Start, Programs, SHC PC Utility** and then **300PC**. The Store Setting dialog box displays.
(If you are starting the utility for the first time, you will be prompted to first add a store. Enter the Store Name and press OK.)
2. Select the store you wish to open from the Store Settings drop-down list box and click the **Close** button. The **SPS-300 PC Utility** main screen is displayed.



Note that the current store information shows on the bottom line on the main screen

Store Settings

There is no limit to the number of stores you can save with the SPS-300 PC Utility. If you are starting the utility for the first time, you will be prompted to first add a store. Enter the Store Name and press OK; The STORE SETTING Dialog Box displays.

STORE SETTING

TestStore

KEY TYPE

☐ 150KEY

☒ 98KEY

☐ 63KEY

☐ 98KEY (Double)

BAUD RATE

☐ 9600

☐ 19200

☒ 57600

PORT#

COM1

☐ USE MODEM

PHONE

IRC SETTING

☒ REGISTER1 ☐ REGISTER9

☐ REGISTER2 ☐ REGISTER10

☐ REGISTER3 ☐ REGISTER11

☐ REGISTER4 ☐ REGISTER12

☐ REGISTER5 ☐ REGISTER13

☐ REGISTER6 ☐ REGISTER14

☐ REGISTER7 ☐ REGISTER15

☐ REGISTER8 ☐ REGISTER16

CLOSE

If you have more than one store saved, select the store you wish to open from the Store Setting drop-down list box.

Key Type

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

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

98-Key

PLU1	PLU8	PLU15	PLU22	PLU29	PLU36	PLU43	PLU50	WGT1	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU2	PLU9	PLU16	PLU23	PLU30	PLU37	PLU44	PLU51	WGT2	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU3	PLU10	PLU17	PLU24	PLU31	PLU38	PLU45	PLU52	WGT3	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU4	PLU11	PLU18	PLU25	PLU32	PLU39	PLU46	PLU53	WGT4	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU5	PLU12	PLU19	PLU26	PLU33	PLU40	PLU47	PLU54	WGT5	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU6	PLU13	PLU20	PLU27	PLU34	PLU41	PLU48	PLU55	WGT6	PREED	LFRED	NOTAL	EMERSON	CLINK
PLU7	PLU14	PLU21	PLU28	PLU35	PLU42	PLU49	PLU56	WGT7	PREED	LFRED	NOTAL	EMERSON	CLINK

98-Key (Double)

PLU1	PLU8	PLU15	PREED	LFRED	NOTAL	WGT1	CLINK
PLU2	PLU9	PLU16	PREED	LFRED	NOTAL	WGT2	CLINK
PLU3	PLU10	PLU17	PREED	LFRED	NOTAL	WGT3	CLINK
PLU4	PLU11	PLU18	PREED	LFRED	NOTAL	WGT4	CLINK
PLU5	PLU12	PLU19	PREED	LFRED	NOTAL	WGT5	CLINK
PLU6	PLU13	PLU20	PREED	LFRED	NOTAL	WGT6	CLINK
PLU7	PLU14	PLU21	PREED	LFRED	NOTAL	WGT7	CLINK

Use 98-Key for the expanded Raised Keyboard

Use 98-Key (Double) to the default double-wide 21 PLU raised keyboard.

Baud Rate

Set the baud rate for communication to the ECR, this setting must match the baud rate stting as set on the ECR RS-232 port setting.

PORT#

This is the PC COM Port you are using to connect to the ECR.

Use Modem

Only check this option if you are connecting to a telephone modem to remotely connect to the store via modem connection. Special modems settings need to be configured on both the store and remote location modems.

Phone

This is only used with modem connections; enter the phone number for the stores modem on site that is connected to the ECR.

IRC Setting

Check all registers that are connected in the register's IRC network. If using a single standalone register, only register 1 would be checked.

Selecting a Store

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

Adding a Store

- ◆ Choose **Add Store** from the **Setup** menu. At the **Add Store** dialog, enter the store name and click **OK**. At the **Store Setting** dialog, select the model, PC port, baud rate and IRC setting then 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** to remove the store, select **Cancel** to close the windows without removing the store.

Upload/Download Programs

UpProgram

Upload a program before beginning program edit functions.

- ◆ Select the specific program segment you wish to upload from the **UpProgram (ECR->PC)** menu, or select **All Program** to upload the entire register program.

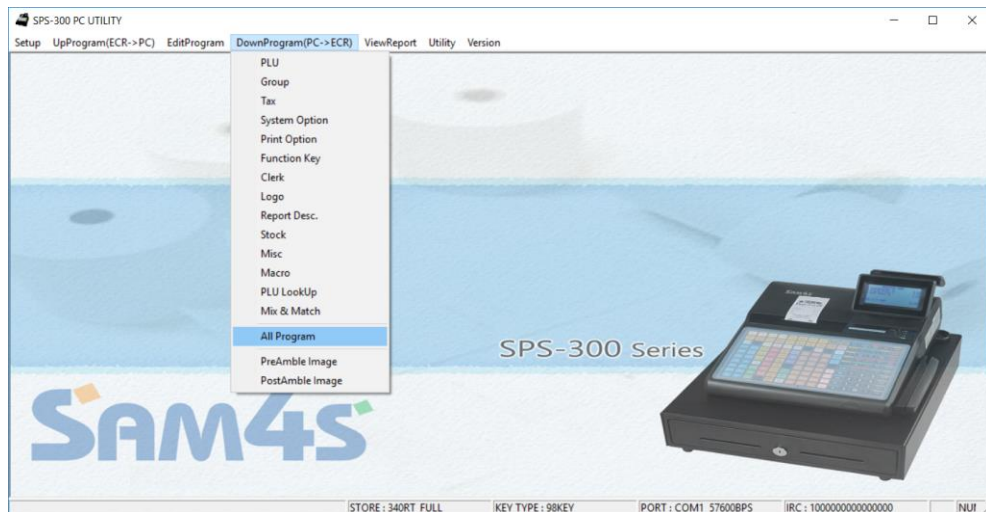


DownProgram

The Memory Allocation on the ECR must be set to properly to accept the store program file being downloaded. You must enter the memory allocation manually at the register before downloading. We cannot download memory allocation from the utility.

Downloading a program from the SPS-300 PC Utility 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, all register programs can be edited with the SPS-300 PC Utility. You will find options neatly organized on dialog boxes, making option programming on the PC Utility more efficient than programming options at the register.

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

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

Tips

- Each individual Store's data is located in a separate folder within the main SPS-300PC folder on your local drive.
- 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 PLU's 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 and options, refer the *SPS-300 Operator's and Programming* manual for an explanation of your program options.

Program Edit Screens

From the *EditProgram* menu, select a specific program area to edit that part of an existing SAM4s SPS-300 series ECR program. Remember that the program options in this program allow you to edit the same program options that you set on the Sam4s SPS-300 series ECR through the register's keyboard.

Definitions for the specific options on the various programming screens are best answered by referring to the *SAM4s SPS-300 Operator's and Program Manual*.

Note: *When editing descriptor fields, you can make bold characters print on the ECR by entering a tilde (~) before each character that you wish to be bold. Each bold character occupies two character positions.*



PLU

The PLU file is maintained here. Refer to the *SAM4s SPS-300 Operator's and Program* for a complete description of the PLU program options.

PROGRAMMING PLU - Right click to delete an item.

CODE	DESCRIPTOR	PRI...
1	DRY GROCERY	0.00
2	CAN GROCERY	0.00
3	BEEF	0.00
4	PORK	0.00
5	CHKN	0.00
6	DELI	0.00
7	DAIRY	0.00
8	Open BEER	0.00
9	Open WINE	0.00
10	Open LIQUOR	0.00
11	GENM	0.00
12	PRODUCE	0.00
13	TOBACCO	0.00
14	BAKERY	0.00
15	BEVERAGE	0.00
16	FROZEN	0.00
17	PET FOOD	0.00
18	CANDY	0.00
19	HrB	0.00
20	NON TX MERCH	0.00
21	STATIONERY	0.00
22	HARDWARE	0.00
23	COUPON	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
36	PLU36	0.00
37	PLU37	0.00
38	PLU38	0.00
39	PLU39	0.00

TOTAL PLU#: 1112

PLU CODE

DESCRIPTOR

GROUP

PRICE1

PRESET

PRESET OVERRIDE

TAXABLE BY

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 ON DISPLAY

PRINT PRICE ON RECEIPT

PRINT ON CHECK

DISABLE PROMO

PRINT PRICE ON CHECK

DIS. VOID MODE & RETURN

COUNTER NOT RESET

PRESET OVERRIDE IN MGR MODE

LINK PLU CODE

AUTO TARE

MIX & MATCH #

PRICE2

PRICE3

PRICE4

PRICE5

EXIT

SAVE

CANCEL

Simply click on the PLU you wish to edit from the list of PLU's and edit the Descriptor, Group assignment, Price, and other options as needed. Click on **SAVE** when you have finised editing.

You can also click in the **PLU CODE** box and enter the number of the number of the PLU you wish to edit then press the enter key on your keyboard. That PLU will display, edit the PLU as needed, click **SAVE** when you have finised editing.

If you are entering in scanned items into the database, click in the **PLU CODE** box and scan the product you want to add to the PLU database. Edit the PLU as needed, click **SAVE** when you have finised editing.

When all items have been added and edited as needed, press **EXIT** to return to the main menue screen.

Groups

Group descriptor and options for each group are programmed here. (The number of groups is determined in the register's memory allocation, you can allocate up to a maximum of 99 groups.)

Select a group from the list to edit the options as needed for that group; refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.

Click the **SAVE** button when you have finished editing your groups to return to the main menu screen.

GROUP#	DESCRIPTOR
1	GRDRY
2	GRCAN
3	BEEF
4	PORK
5	CHKN
6	DELI
7	DAIRY
8	BEER
9	WINE
10	LIQR
11	GENM
12	PROD
13	TBCCO
14	BAKRY
15	BEVRG
16	FROZN
17	PETFD
18	CANDY
19	HnB
20	Notxm
21	STNRY
22	HRDWR
23	COUPN
24	GROUP 24
25	GROUP 25

GROUP 1

DESCRIPTOR: GRDRY

ADD TO GROUP TOTAL: ☒

SEND TO KP: ☐

KP PORT: SAT. ☐ #1 ☐ #2 ☐ #3 ☐ #4 ☐ RECEIPT ☐

SER. ☐

PRINT RED ON KP: ☐

SEND TO KV: ☐

KV GROUP # (0-8): 0

KV COLOR (0-8): 0

GIFT CARD (1-2):

AGE VERIFICATION (0-5): 0

SAVE CANCEL

Tax

Each of the 4 possible taxes can be set for an add-on percentage, tax table or VAT. Tax 4 has the additional option to be set as GST Ttaxable as well. Follow the instructions on the screen, or refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.

TAX

TAX 1

ADD ON ☐ RATE: 7.275

TAX TABLE ☒

VAT ☐

GST TAXTABLE

TAX 1 ☐

TAX 2 ☐

TAX 3 ☐

SAVE CANCEL

System Option

Each system option can be enabled or disabled; check the options you want to enable or uncheck to disable the option. Refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.

SYSTEM OPTION

Option 1 | Option 2 | Option 3

☒ BEEPER ACTIVE

CLERK ENTRY

PUSH

CLERK ASSIGNED WHEN
CLERK KEY IS PUSHED

1

CLERK IS

STAY DOWN

☒ DRAWER NEED TO BE SHUT TO OPERATE

☐ ACTIVATE DRAWER OPEN ALARM

SECONDS TO ALLOW
DRAWER OPEN (1-99)

30

☐ ALLOW POST TENDER

☒ OPEN DRAWER ON POST TENDER

☐ ALLOW MULTIPLE RECEIPTS

☐ CASH DECLARATION REQ.

☐ MGR CONTROL TO TEND NEG. BALANCE

☐ MGR CONTROL TO TEND ZERO BALANCE

☐ RESET TRANSACTION NO. ON Z REPORT

☐ RESET GRAND TOTAL AFTER Z REPORT

☒ OPEN DRAWER WHEN REPORTS
ARE RUN

☒ OPEN DRAWER DURING TRAIN MODE

DECIMAL PLACE

2

DATE FORMAT IS

MDY

MODIFIER

POP UP AFTER ITEM

% AND TAX
CAL.

ROUND UP AT 0.50

SPLIT PRICE
CALCULATION

ROUND UP AT 0.50

☐ COMPULSORY EAT-IN T-OUT
D-THRU BEFORE TENDER

HASH IS

NORMAL

☒ ALLOW PRINT SCREEN ON X/TIME KEY

RESET Z COUNTER AFTER Z2 REPORT

☐ DAILY SALES REPORT

SAVE

CANCEL

Print Option

Each print option can be edited. Check the option to enable that option or uncheck to disable the option. Refer to the *SAM4s SPS-300 Operator's and Programming* for a complete description of your program options.

PRINT OPTION

Option 1 | Option 2 | Option 3

☐ PRINT MEDIA TOTALS ON CLERK RPT.

☒ PRINT TAX SYMBOL

☒ PRINT VD MODE AND RETURN ON RPT.

☐ PRINT AUDACTION ON REPORT

☒ SKIP ZERO TOTALS ON FINANCIAL RPT.

☒ SKIP ZERO TOTALS ON CLERK REPORT

☐ PRINT CLERK REPORT AFTER
FINANC. RPT.

☐ PRINT SALE ITEM NO.

☐ PRINT PLU WITH ZERO TOTALS ON RPT.

☐ PRINT SUBTOTAL WHEN PRESSED

☐ PRINT % OF SALES ON PLU REPORT

☒ PRINT CONS.NO.

☒ PRINT DATE

☒ PRINT TIME

☒ PRINT MACHINE NO.

☒ PRINT CLERK NAME

HOME CURR. SYMBOL

\$

☒ PRINT Z COUNTER

☒ PRINT RECEIPT WHEN SIGN ON/OFF

PRINT GRAND TOTAL

☒ ON X REPORT

☒ ON Z REPORT

PRINT GROSS TOTAL

☒ ON X REPORT

☒ ON Z REPORT

☐ PRINT SUBTOTAL WITHOUT TAX

TAX AMOUNT IS

ITEMIZE

☒ PRINT TAX AMOUNT

☐ PRINT TAXABLE TOTAL

☐ PRINT TAX % RATE

☐ VAT BREAKDOWN

☒ PRINT TRAIN MODE TITLE IN
TRAINING MODE

SAVE

CANCEL

Function Key

You can program the different options for each function key. Follow the instructions on the screen, or refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.

Function Key

Function Key

NOSALE

% 1

% 2

% 3

% 4

% 5

ADDCHK

CANCEL

CASH

CHARGE1

CHARGE2

CHARGE3

CHARGE4

CHARGE5

CHARGE6

CHARGE7

CHARGE8

CHKCASH

CHKENDOR

CHECK

CHECK #

CONV1

CONV2

CONV3

CONV4

DVTHR

EATIN

ERRCORR

F/S SUB

F/S TEND

SAVE

CANCEL

NOSALE

DESCRIPTOR 1

NOSALE

DESCRIPTOR 2

NON ADD #

☐ KEY DISABLE

☒ PRINT ON N/S

☐ UNDER MGR CONTROL

☐ INHIBIT NO SALE AFTER NON-ADD #

☐ ENFORCE# ENTRY AT START OF SALE

☐ NON-ADD# PROHIBIT

☐ COMP. NON-ADD # MUST MATCH MAX DIGIT

☐ PRINT NON-ADD ON GUEST CHECK

MAX DIGIT (0 - 8)

0

OK

CANCEL

Clerk

Clerk descriptor (name) and options are set here. The total number of clerks is determined by the memory allocation set in the ECR. You can allocate memory for a maximum of 99 Clerks.

Follow the instructions on the screen, or refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.

CLERK

CLERK#	DESCRIPTOR
1	Rick B.
2	Dennis
3	Julie
4	Lynn
5	Orey
6	Jose
7	CLERK 7
8	CLERK 8
9	CLERK 9
10	CLERK 10
11	CLERK 11
12	CLERK 12
13	CLERK 13
14	CLERK 14
15	CLERK 15
16	CLERK 16
17	CLERK 17
18	CLERK 18
19	CLERK 19
20	CLERK 20

CLERK 1

DESCRIPTOR

Rick B.

CLERK CODE

1

DRAWER
ASSIGN(0-2)

1

☐ Training Clerk

SAVE

CANCEL

Logo/Descriptors

You can program a custom preamble, postamble messages to print on customer receipts. You can also program the check endorsement message and DataTran message.

Unique descriptors for certain financial and clerk report totals can be programmed here as well.

LogoDesc

PREAMBLE	ENDORSEMENT MSG	FINANCIAL REP MSG	CLERK REP MSG
Eagle Grocery		+PLU TTL	NET SALE
"We are small potatoes!"		FINANCIAL REP. ^	CLERK REP. ^
545 S 4th Street		+PLU TTL	NET SALE
Eagle, NE 68347		-PLU TTL	NONTAX
(402) 781-2325		ADJUST TTL	TAX1 SALES
		NONTAX	TAX2 SALES
		TAX1 SALES	TAX3 SALES
		TAX2 SALES	TAX4 SALES
		TAX3 SALES	TAX1
		TAX4 SALES	TAX2
		TAX1	TAX3
		TAX2	TAX4
		TAX3	XMPT1 SALES
		TAX4	XMPT2 SALES
		XMPT1 SALES	XMPT3 SALES
		XMPT2 SALES	XMPT4 SALES
		XMPT3 SALES	EATIN TTL
		XMPT4 SALES	TAKEDOUT TTL
		EATIN TTL	DRTHRU TTL
		TAKEDOUT TTL	% 1
		DRTHRU TTL	% 2
		% 1	% 3
		% 2	% 4
		% 3	% 5
		% 4	CREDIT TAX1
		% 5	CREDIT TAX2
		NET SALE	CREDIT TAX3
		CREDIT TAX1	CREDIT TAX4
		CREDIT TAX2	FD/S CREDIT v

POSTAMBLE

Thank you for shopping lc

Visit us at EGeagle.com

SAVE CANCEL

PLU Stock

Upload stock from the ECR first. All PLU's flagged as an Inventory Item will populate this screen. For stock items, edit quantities as needed, and then download to the ECR.

1. Choose **Stock** from the *EditProgram* menu. The *PLU Stock* dialog box displays with a list of all PLU's flagged as an Inventory Item and their current stock quantities.
2. You can edit quantities here; two decimal places is assumed on quantities. (To enter a quantity of 100 you need to enter 10000 or enter quantity with the decimal 100.00).
3. Press **SAVE** after entering your quantity. Continue editing as necessary.
4. When editing is complete, click **EXIT** to return to the main screen.

These Stock quantities can then be sent to the register from *DownProgram (PC->ECR)* menu. Depending on the system option setting for Inventory Count Program, the quantities will either add to the current stock or replace the current stock quantities.

PluStock

CODE	DESCRIPTOR	QUANTI.. ^
1	DRY GROCERY ...	0.0
2	CAN GROCERY ...	0.0
3	BEEF	0.0
4	PORK	0.0
5	CHKN	0.0
6	DELI	0.0
7	DAIRY	0.0
8	Open BEER	0.0
9	Open WINE	0.0
10	Open LIQUOR	0.0
11	GENM	0.0
12	PRODUCE	0.0
13	TOBACCO	0.0
14	BAKERY	0.0
15	BEVERAGE	0.0
16	FROZEN	0.0
17	PET FOOD	0.0
18	CANDY	0.0
19	HnB	0.0
20	NON TX MERCH ...	0.0
21	STATIONERY	0.0
22	HARDWARE	0.0
23	COUPON	0.0
24	PLU24	0.0
25	PLU25	0.0
26	PLU26	0.0
27	PLU27	0.0
28	PLU28	0.0
29	PLU29	0.0
30	PLU30	0.0 v

PLU CODE

QUANTITY

SAVE

EXIT

CANCEL

CLEAR ALL

< >

NLU

NLUs are keys on the keyboard (like traditional department keys) used to access specific PLU's. NLU#1 through NLU#300 are available for assignment to the keyboard.

On the default keyboard on the SPS-325/345 ECR's (raised keyboard) have 21 NLU keys and can be expanded to 63 NLUs. The SPS-320/SPS-340 ECR's (flat keyboard) have 100 NLUs on the default keyboard.

Each NLU key is assigned the same corresponding PLU number, *i.e.* NLU key number one is assigned PLU #1.

However, with this program you can assign any PLU number you wish to any one of the NLU keys. PLU's must be programmed into the database before you are able to assign the PLU to the NLU key.

NluPgm

NLU CODE	PLU CODE	DESCRIPTOR
1	1	DRY GROCERY
2	2	CAN GROCERY
3	3	BEEF
4	4	PORK
5	5	CHKN
6	6	DELI
7	7	DAIRY
8	8	Open BEER
9	9	Open WINE
10	10	Open LIQUOR
11	11	GENM
12	12	PRODUCE
13	13	TOBACCO
14	14	BAKERY
15	15	BEVERAGE
16	16	FROZEN
17	17	PET FOOD
18	18	CANDY
19	19	HnB
20	20	NON TX MERCH
21	21	STATIONERY
22	22	HARDWARE
23	23	COUPON
24	24	PLU24
25	25	PLU25
26	26	PLU26
27	27	PLU27
28	28	PLU28
29	29	PLU29

SAVE CANCEL

1. Use the scroll box at the right of the screen to view all of the NLUs.
2. Click on the NLU you wish to edit, the PLU list displays.
3. Scroll through the PLU list and click on the PLU you want to assign to the selected NLU key or press CANCEL to not change the current PLU/NLU assignment.
4. Click **SAVE** to save changes and return to the main menu.

PLU LookUp

Each of the **PLU LOOK UP** keys can be programmed here to list specific PLU's

Plu LookUp - Right click to delete an item.

PLU LOOKUP 2

NO.	PLU CODE	DESCRIPTOR
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	

SAVE CANCEL

To add item to a PLU LookUp:
Left-click on the line you wish to add an item to, then select the PLU you want to add to the Look Up

Select PLU

PLU CODE	DESCRIPTOR
1	DRY GROCERY
2	CAN GROCERY
3	BEEF
4	PORK
5	CHKN
6	DELI
7	DAIRY
8	Open BEEP
9	Open WINE
10	Open LIQUOR
11	GENM
12	PRODUCE
13	TOBACCO
14	BAKERY
15	BEVERAGE
16	FROZEN
17	PET FOOD
18	CANDY
19	HrB
20	NON TX MERCH
21	STATIONERY
22	HARDWARE
23	COUPON
24	PLU24
25	PLU25
26	PLU26
27	PLU27
28	PLU28
29	Gasoline
30	Premium Gas
31	Diesel Fuel

CANCEL

Plu LookUp - Right click to delete an item.

PLU LOOKUP 1

NO.	PLU CODE	DESCRIPTOR
1	342230	CANDY
2	344400	CANDY
3	221780	CANDY
4	90644	CANDY
5	226660	CANDY
6	0	
7	0	
8	0	

SAVE CANCEL

To delete item from a PLU LookUp:
Right click on the line you wish to delete.
Select **Yes**. The item is deleted.

plulk

⚠ PLU CODE: 226660
ARE YOU SURE TO DELETE THIS?

Yes No

Plu LookUp - Right click to delete an item.

PLU LOOKUP 1

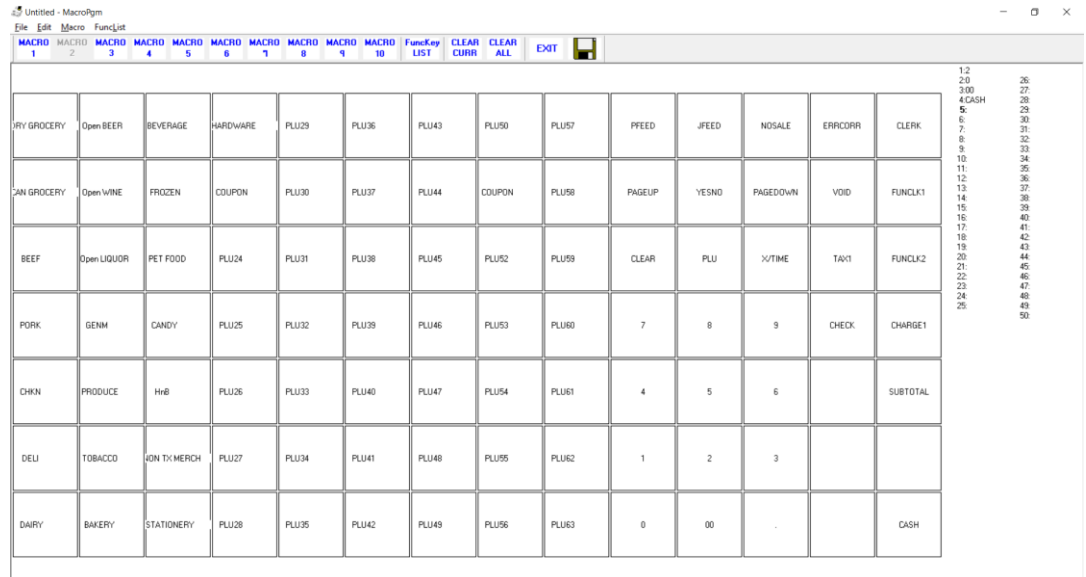
NO.	PLU CODE	DESCRIPTOR
1	342230	CANDY
2	344400	CANDY
3	221780	CANDY
4	90644	CANDY
5	0	
6	0	
7	0	
8	0	

SAVE CANCEL

Macro

The Macro programming screen allows easy programming of Macros using the keyboard layout display.

Simply select the Macro number from the top row of the screen and press the keystrokes for the Macro from the display. As shown in the example below; Macro 2 was setup for a \$20 speed Tender key by pressing **2 0 00 CASH**.



If you make a mistake during Macro programming you can clear an entry by pressing the **CLEAR CURR** button or press the **CLEAR ALL** to clear all keystrokes and begin anew.

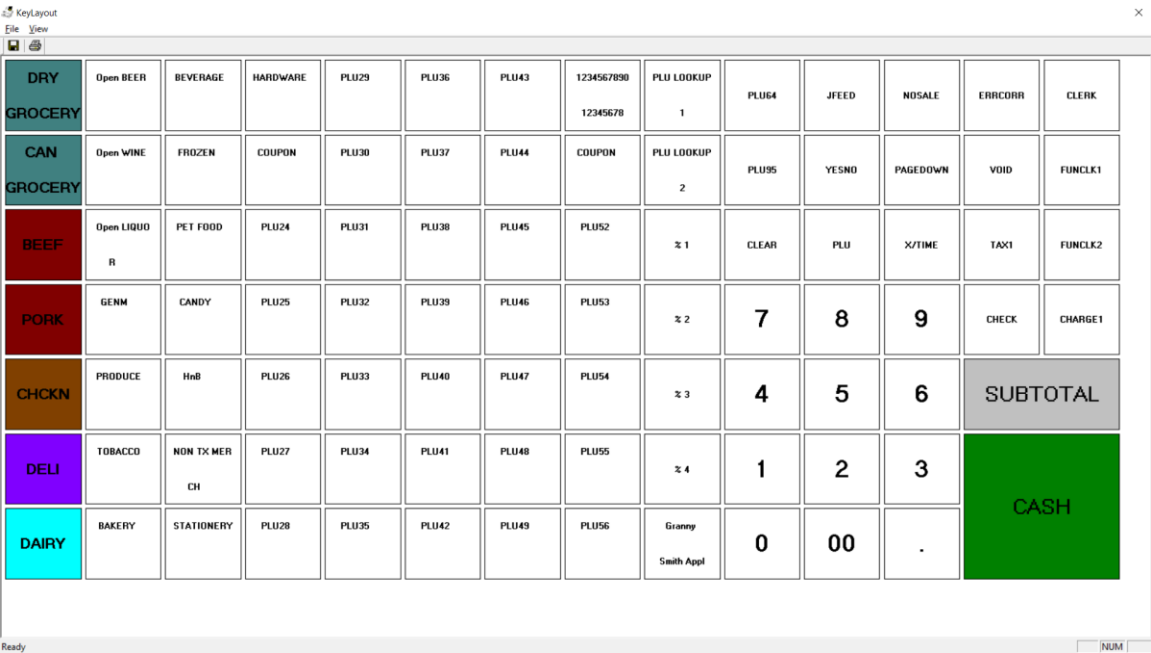
When you have completed the programming for your Macro's press the icon to save your edits.

Press **EXIT** to return to the main screen of the SPS-300 PC Utility.

Key Layout

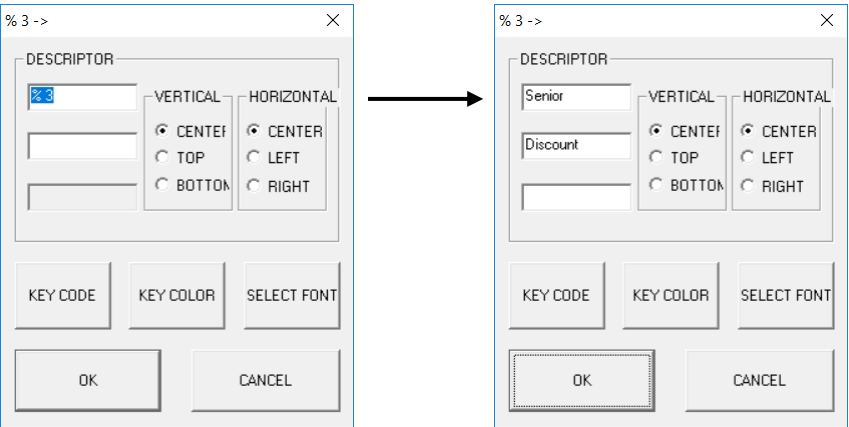
The Keyboard Layout screen allows you to edit the keys on the keyboard, change key assignment and design a key sheet to be printed for the register keyboard (Requires 11" x 13" paper).

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



The screen shown is Expanded Raised keyboard

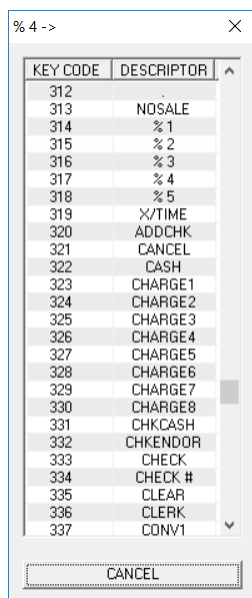
Select a key on the layout screen to edit that key.



Enter a new descriptor for the key, max is 10 characters per line.

You can also assign a different function key to the key location.

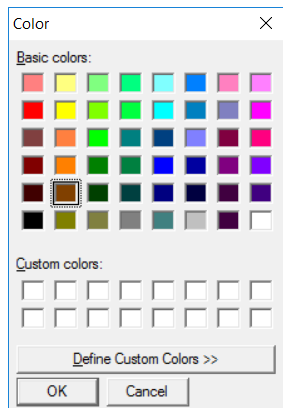
Select the Key you wish to change by clicking on the desired key, then click on the **KEY CODE** button.



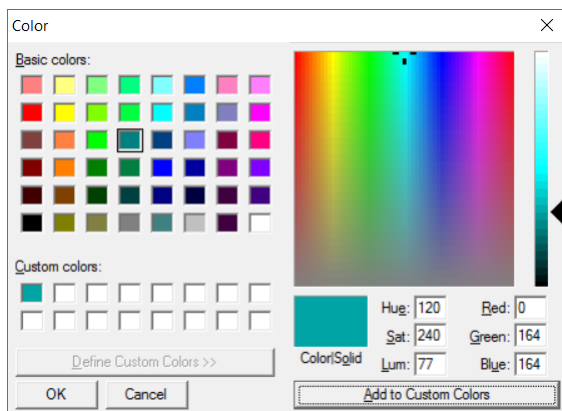
The key code list will appear as shown here.

Scroll through the list to the key you wish to assign; click on the key to make the new assignment.

Select a key color if desired by clicking on the **KEY COLOR** button.



Choose the key color you want from the color palette, then press **OK**.

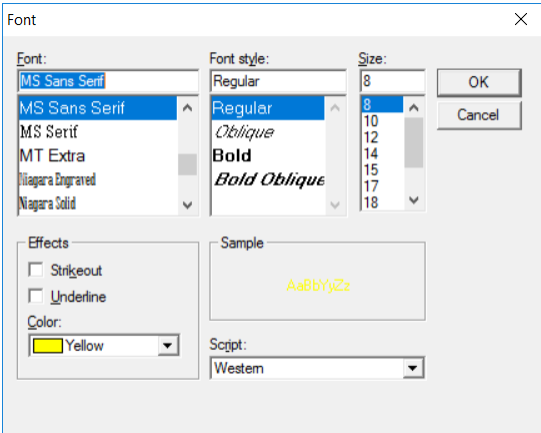


You can also create custom colors for your keyboard.

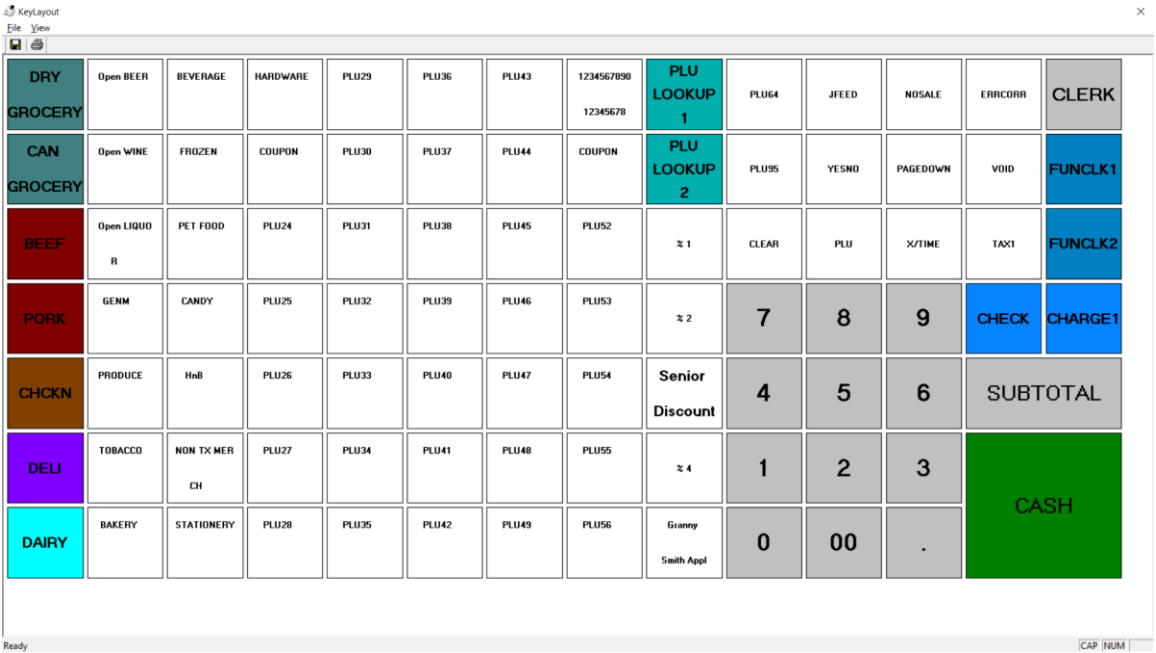
Custom colors can be saved to allow use on other keys on the keyboard layout.

Note: custom colors are saved only for the current keyboard layout editing session.

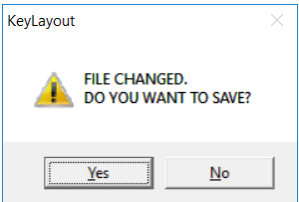
To select a different font, click on the **SELECT FONT** button.



Press **OK** when you have finished editing.



Save your changes by pressing the  icon; then exit by pressing the X. if you exit without saving you will get a prompt:

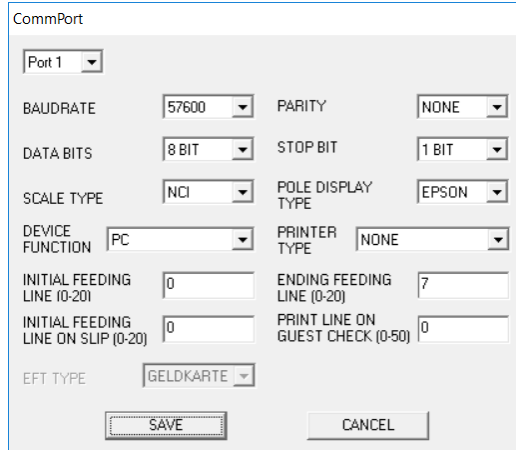


Press **Y**es to save your keyboard edits.

Comm Port

Set options for the communications when you are connecting optional hardware to the register.

Follow the instructions on the screen, or refer to the *SAM4s SPS-300 Operator's and Programming Manual* for a complete description of your program options.



CommPort

Port 1

BAUDRATE: 57600 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

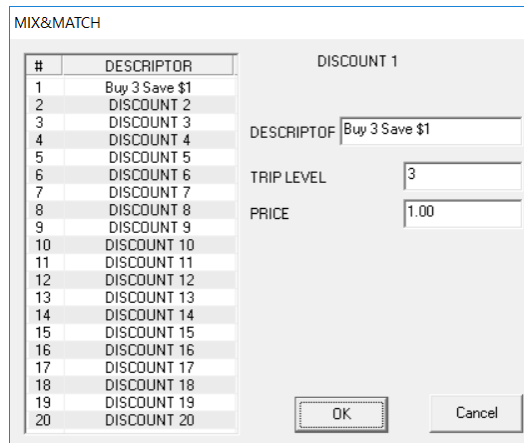
INITIAL FEEDING LINE ON SLIP (0-20): 0 PRINT LINE ON GUEST CHECK (0-50): 0

EFT TYPE: GELDKARTE

SAVE CANCEL

Mix & Match

1. Choose **Mix and Match** from the *EditProgram* menu. The appropriate *Mix and Match* dialog box displays:



MIX&MATCH

#	DESCRIPTOR
1	Buy 3 Save \$1
2	DISCOUNT 2
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: Buy 3 Save \$1

TRIP LEVEL: 3

PRICE: 1.00

OK Cancel

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

Etc. – Tare/Age Verification/Drawer Limit/Change Limit/PC Schedule Time/Training Mode Password

Etc

TARE	AGE VERIF.	DRAWER LIMIT	0.00	EFT PASSWORD	0
0.010	18	CHECK CHANGE LIMIT	0.00	EFT PASSWORD COMM PORT 2	0
0.020	21	PC SCHEDULE TIME(HH : MM)	9999	EFT PASSWORD	0
0.035	55	TRAINING MODE PASSWORD	0	EFT PASSWORD COMM PORT 4	0
0.000	65				
0.000	0				

LEVEL ACTIVATE TIME

	FROM (HHMM)	TO (HHMM)	USE
LEVEL1	0	0	<input type="checkbox"/>
LEVEL2	0	0	<input type="checkbox"/>
LEVEL3	0	0	<input type="checkbox"/>
LEVEL4	0	0	<input type="checkbox"/>
LEVEL5	0	0	<input type="checkbox"/>

DATA TRAN NO SIGN IF TRANSACTION TOTAL LESS THAN XXXX 0.00

KP STARTING NO. (0-9999) 0

SAVE CANCEL

Tare Weight

You can pre-program five tare weights, representing the weight of different containers. When you place an item and a container on optional scale, you can enter the tare number to automatically subtract the pre-programmed tare weight.

Age Verification

Up to five different age categories can be created for age restricted items, for example tobacco products could be restricted at age 18 and alcohol products restricted at age 21. The age entries are made with this program. In addition, you will need to use the Group program to define the items that will be restricted.

Drawer Limit

You can set a cash-in-drawer limit. When cash in drawer exceeds the limit a warning will display on the screen.

Check Change Limit

Use this program to set the maximum amount of cash that can be returned when a check is tendered for an amount greater than the amount of the sale.

PC Schedule Time

Set the Hour and Minute (HH:MM) as per 24 hour clock when you want the ECR to automatically go into Online Mode for PC communication.

Training Mode Password

If you wish to use training mode, you must program a password that you will use to enter training mode. The password may be up to 4 digits long, however, if you choose to use a password less than 4 digits, you must enter preceding zeros to complete a 4 digit entry. For example, if you program the password to be "77", you must type "0077" when entering training.

Level Activate Time

Use this program to select the time for each price level to activate. Set the time in 24-hour format (military time, i.e. 1300-1pm).

Datatran No Sign

No signature required if EFT transaction is under xxxx (i.e. if 2000 is set here, no signature is required on EFT transactions under \$20.00.)

KP Starting Number

Set a KP Starting Number for the KP Order number if desired. Number can be up to 4 digits.

Memory Allocation

You can view but not edit memory allocation.

Memall	
MEMORY SIZE	1851392
USED MEMORY	1848863
# OF PLU	9000
PLU PRICE LEVEL	5
# OF CLERK	99
# OF GROUP	99
# OF CHECK	99
# OF SOFT CHECK	50
CHECK TYPE	SOFT
EJ LINES	3000
<div>OK</div>	

Reports

Collecting Reports

Reports cannot be polled with the SPS-300 Series PC Utility. However they can be saved to an SD card. SAM4s SPS-300 series reports are saved to the SD card in either .csv or .rpt format. When saved in .csv format, you can use a PC productivity program, such as Microsoft Excel™ to open, view and manipulate the data. If you save reports in .rpt format, using this utility you can view the report data, export it to Microsoft Excel, and/or export it to a text file.

Saving Reports to an SD Card

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

1. At the ECR, turn the control lock to the **S** position.
2. Choose “9” from the S Mode menu (Press PAGE DOWN to view the option).
3. From the SD Card Operation menu choose “3 Report Backup”.
4. From the “Report Format?” Screen press “0” for .rep format or “1” for .csv format.
The printer will print an “uploaded” message for each report successfully uploaded.

Report File Conventions

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

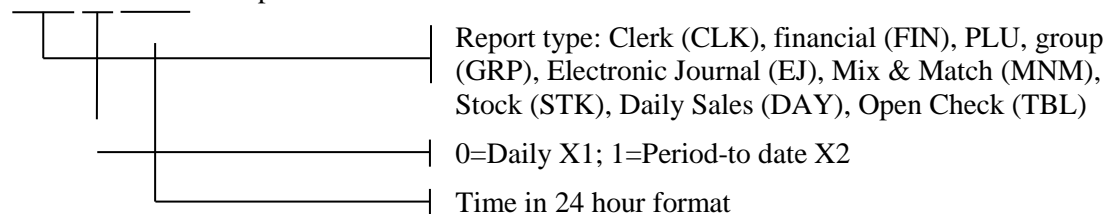
.rep format files: SD\SPS300\REPBACK\Storename\20111130

.csv format files: SD\SPS300\CSVBACK\Storename\20111130

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

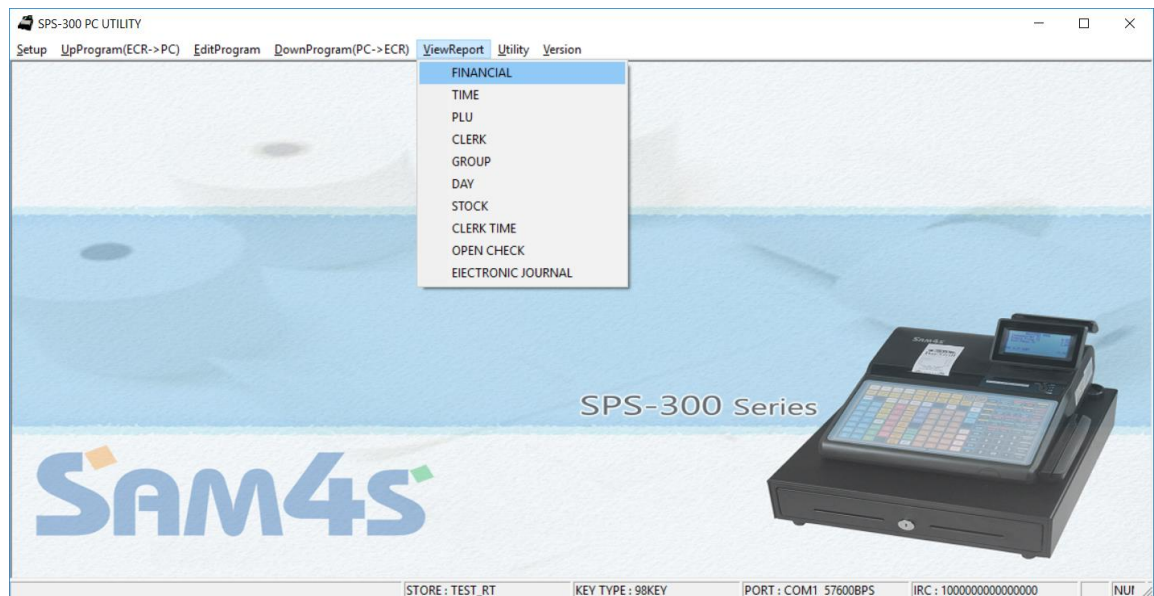
Reports listed in this folder are named using the following convention:

CLK01132.rep

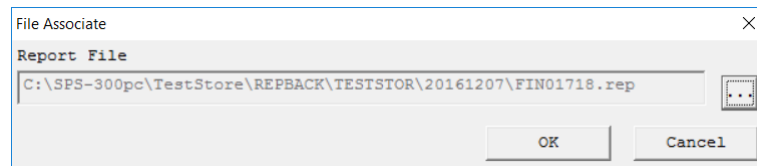


View Reports

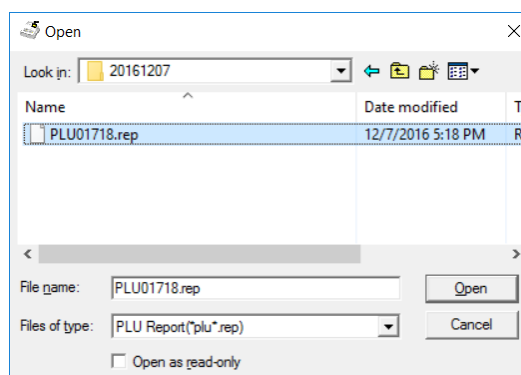
1. Select the type of report you wish to view from the ViewReport menu.



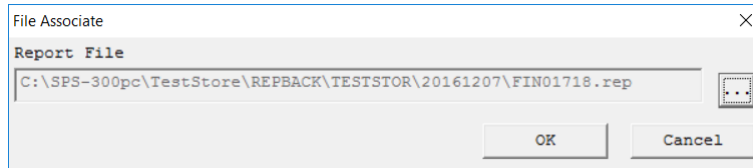
2. The File Associate dialog displays. Click the Browse (...) button to locate the report you wish to view.



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



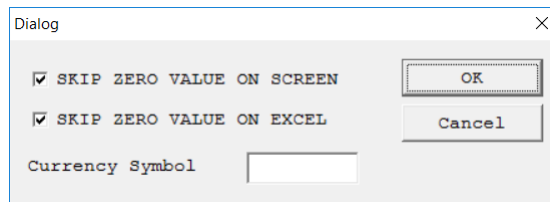
4. Click **Open**. The File associate dialog displays with your selected report path.



5. Click **OK** to open the report

DESCRIPTOR	COUNT	TOTAL
#1		
DRY GROCERY	1.00	5.00
#2		
CAN GROCERY	1.00	2.22
#8		
Open BEER	1.00	5.00
#9		
Open WINE	1.00	9.99
TOTAL	4.00	22.21

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



7. 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 report

Close: to exit

Prepare & Load Bitmap Logos

Load/Save Receipt Images

You can load a preamble and postamble image for your receipt or soft guest check. Before loading, the images must be converted by the PC Utility to .img format. After conversion, they can be loaded directly by connecting a PC to the SPS-300 or by copying the images to a SD card and loading (or saving the image) using the SD utility program described here.

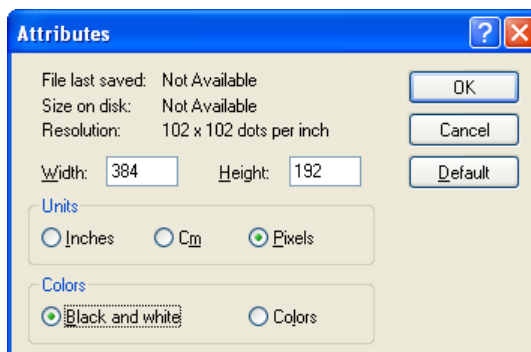
The information presented here was derived from a version of MS Paint on Windows XP, your version of Paint may appear differently but the same principles explained here will still apply.

Note that after loading the images, you must set Print Options on page 14 of the Print Options program to activate the image printing.

Preparing a Graphic Logo Bitmap for an SPS-300 Series

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

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

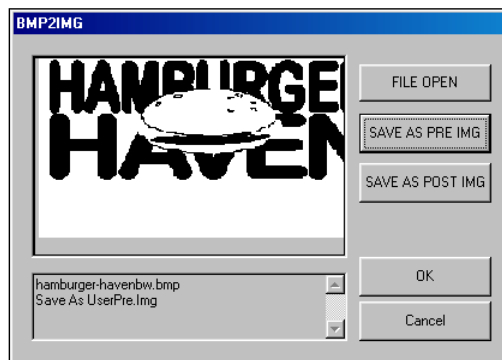


4. The image dimensions must be no larger than 384 pixels wide by 192 pixels high. If the image size in pixels is greater than the maximum, you must resize your image.
 - a. Click **OK** to exit the Attributes dialog.
 - b. Select your image. (Choose **Select All** from the **Edit** menu.)

- c. Using the handles of the selected image, resize the image. Keep the image in the upper left corner of the screen.
 - d. Choose **Attributes** from the **Image** menu. The **Attributes** dialog box displays again. Enter 384 in the **Width** field; enter 192 in the **Height** field; select **Pixels** as the unit. Click **OK** to exit the dialog box.
 - e. Your image will be cropped to the 384 x 192 pixel size. If you cropped part of the image you wish to keep, you can undo (Ctrl + Z) and try again. You may have to experiment a bit to resize the image inside the 384 x 192 pixel limit.
5. After the image is sized, select **Black and white** in the **Attributes** dialog.
 6. Save your image as type “Monochrome Bitmap (*.bmp,*.dib)” and confirm that the size is 10k or less. If you resized your original image, you may wish to rename when you save, so that you preserve a copy of the original image.

Use the PC Utility to Convert the Image

1. Install the *SPS-300 PC Utility* on your PC.
2. At your PC, start the SPS300 PC Utility. (Select **Start, Programs, SHC PC UTILITY, SPS300 PC UTILITY**.) The **Store Setting** dialog box displays.
3. If you are starting the SPS300 PC Utility for the first time, you must define a store name, or if a store is already defined, you can select the store from the drop down list. After the store is defined or selected, click **Close**. The PC Utility program starts.
4. Move the bitmap (.bmp) logos you wish to use into the store directory (i.e. C:\SPS-300PC\storename.)
5. At the PC Utility, choose **Convert Logo Image** from the **Utility** menu. The Bmp dialog box displays.
6. Click **FILE OPEN**. Select the bitmap image you wish to use from the **Open** dialog and click the **Open** command button.
7. Click the **SAVE AS PRE IMG** or **SAVE AS POST IMG** button.



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

Copy the Images to an SD Card

The PC Utility will create two image files:

- USERPRE.IMG
- USERPOST.IMG

They will be located in your PC at:

C:\SPS-300PC\Store Name

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

SD\SPS300\PgmBack\Store Name

Important: In the path: C:\SPS-300PC\Store Name, the store name is the name you have defined as the store in the PC Utility. **Note:** You must use the same store name in the SPS-300 Series ECR at System Options page 18.

Load the Images by SD Card

1. Insert the SD card in the register's SD slot.
2. Turn the control lock to the **S** position.
3. From the second page of the the Service Mode menu, select **"9 SD Card Operation"**.
4. From the SD Card Operation menu select **"4 PRE_IMAGE LOGO LOAD"**.
5. The message "PREAMBLE LOGO LOADED!" will print on the receipt printer.

Saving Images from an SPS-300 to an SD Card

1. Insert the SD card in the register's SD slot.
2. Turn the control lock to the **S** position.
3. From the second page of the the Service Mode menu, select **"9 SD Card Operation"**.
4. From the SD Card Operation menu select **"5 PRE_IMAGE LOGO BACKUP"**.
5. The message "PREAMBLE LOGO BACKUP!" will print on the receipt printer.

Printing the Logo Image – SPS-300 Settings

Four options on page 14 of Print Option Programming affect graphic logo printing. Choose Y or N as appropriate to print the pre or post message on receipts and/or soft guest checks.

	PRINT OPTION	PG 14
—————→	PRINT PLU# ON RECEIPT	N ←
—————→	PRE-PRN GRAPHIC LOGO	N
—————→	POST-PRN GRAPHIC LOGO	N
—————→	ON RECEIPT	
—————→	PRE-PRN GRAPHIC LOGO	N
—————→	POST-PRN GRAPHIC LOGO	N
	ON GUEST CHECK	

Import/Export PLU Files

PLU PGM to Excel/PLU Excel to PGM Utilities

This feature of the *SAM4s SPS-300 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:\SPS-300PC\Storename. The file is named PLU.csv.
- When the “PLU EXCEL TO PGM” utility is run, the PLU.csv file in the folder: C:\SPS-300PC\Storename will replace the PLU file and become the active PLU file for the store.

PLU Key for CSV Import/Export

Example of Exported CSV File (in Excel):

Microsoft Excel - PLU.csv																																						
Type a question for help																																						
File Edit View Insert Format Tools Data Window Help Adobe PDF																																						
100% Arial																																						
F1 Y																																						
	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 Burger	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	725
2		2 Cheese Bu	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	795
3		3 Bacon C E	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	849
4		4 California E	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	83
5		5 Blue C Bui	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	875
6		6 Turkey Bui	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	925
7		7 FoodStam	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
8		8 Non Tax	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
9		9 HASH	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
10		10 Negative O	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
11		11 Negative Pr	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	999999
12		12 Single Item	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	799
13		13 NON ADD	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	1568
14		14 Condiment	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	929
15		15 Condiment	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
16		16 Group	18	19	20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	1000
17		17 PLU17	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
18		18 PLU18	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
19		19 PLU19	1	0		0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	0
Ready NUM																																						

Excel PLU.csv Key	
Column on PLU.csv	Corresponding Option
A	PLU CODE
B	DESCRIPTOR
AJ	PRICE/HALO 1
AK	PRICE/HALO 2
AL	PRICE/HALO 3
AM	PRICE/HALO 4
AN	PRICE/HALO 5
F	PRESET
G	PRESET OVERRIDE
H	TAXable By: 1
I	TAXable By: 2
J	TAXable By: 3
K	TAXable By: 4
L	FOOD STAMP ELIGIBLE
M	NEGATIVE ITEM
N	HASH
O	SINGLE ITEM
P	NON-ADD # COMP.
Q	GALLONAGE ITEM
R	INVENTORY ITEM
S	DISABLE
T	SCALEABLE
U	AUTO SCALE
V	CONDIMENT
W	COMP. CONDIMENT
X	PRINT ON RECEIPT
Y	PRINT ON DISPLAY
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	DISABLE VOID AND RETURN
AG	AUTO TARE
C	GROUP # 1 (1-20)
D	GROUP # 2 (1-20)
E	GROUP # 3 (1-20)
AH	MIX & MATCH #
AI	PLU LINK CODE

PLU Key Viewed on Utility PLU Program Window

PROGRAMMING PLU - Right click to delete an item.

CODE	DESCRIPTOR	PRI...
1	Burger	7.25
2	Cheese Burger	7.95
3	Bacon C Burger	8.49
4	California Burger	0.83
5	Blue C Burger	8.75
6	Turkey Burger	9.25
7	FoodStamps	0.00
8	Non Tax	0.00
9	HASH	0.00
10	Negative Open	0.00
11	Negative Preset	999...
12	Single Item	7.99
13	NON ADD COMP	15.69
14	Condiment Req	9.29
15	Condiment	0.00
16	Group	10.00
17	PLU17	0.00
18	PLU18	0.00
19	PLU19	0.00
20	Gift Card Activate	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	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
36	PLU36	0.00
37	PLU37	0.00
38	PLU38	0.00
39	PLU39	0.00
40	PLU40	0.00

TOTAL PLU#: 39

PLU CODE: **A**

DESCRIPTOR: **B**

GROUP: **C** **D** **E**

PRICE1: **AJ**

PRESET: **F** PRESET OVERRIDE: **G**

TAX: **H** **I** **J** **K**

1 2 3 4

FOOD STAMP ELIGIBLE ☐ **L** NEGATIVE ITEM ☐ **M**

HASH ITEM ☐ **N** SINGLE ITEM ☐ **O**

NON ADD # COMP. ☐ **P** GALLONAGE ITEM ☐ **Q**

INVENTORY ITEM ☐ **R** DISABLE ☐ **S**

SCALABLE ☐ **T** AUTO SCALE ☐ **U**

CONDIMENT ITEM ☐ **V** CONDIMENT COMP. ☐ **W**

PRINT ON RECEIPT ☐ **X** PRINT ON DISPLAY ☐ **Y**

PRINT PRICE ON RECEIPT ☐ **AA** PRINT ON CHECK ☐ **AB**

DISABLE PROMO ☐ **AC** T PRICE ON CHECK ☐ **Z**

DIS. VOID MODE & RETURN ☐ **AF** COUNTER NOT RESET ☐ **AD**

PRESET OVERRIDE IN MGR MODE ☐ **AE**

LINK PLU CODE: **AI**

AUTO TARE: **AG**

MIX & MATCH #: **AH**

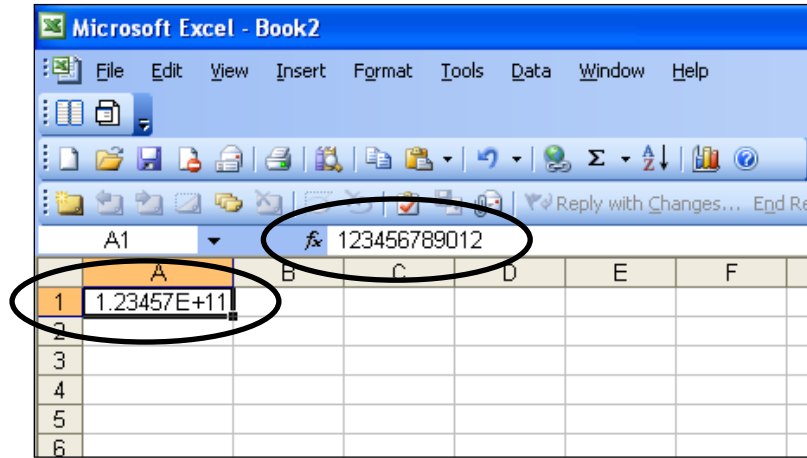
PRICE2: **AK** PRICE3: **AL**

PRICE4: **A** PRICE5: **AN**

EXIT SAVE CANCEL

Import Note – Notation of Large PLU Numbers

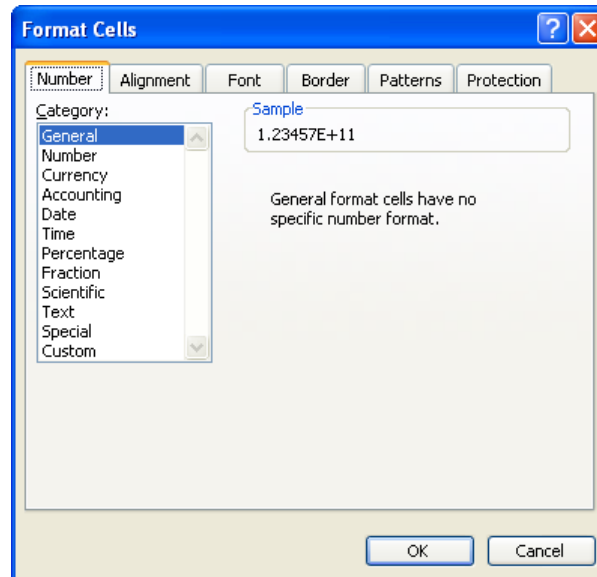
Using default Microsoft Excel™ settings, numbers exceeding 12 digits will display in scientific notation as shown in the sample sheet below:



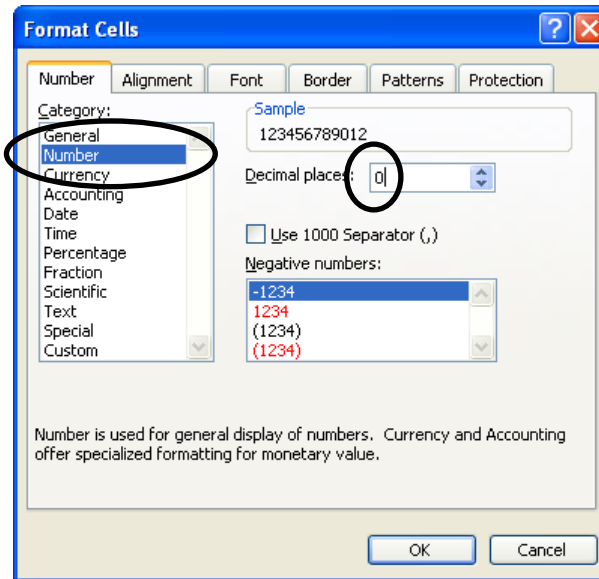
Caution: If you are editing a PLU.csv file in Excel, *and* you are using large PLU numbers (such as 14-digit UPC numbers), you must take care to change the formatting of the number in Excel, so that the correct PLU number is sent to the PLU file.

To Change PLU Number Display in Excel

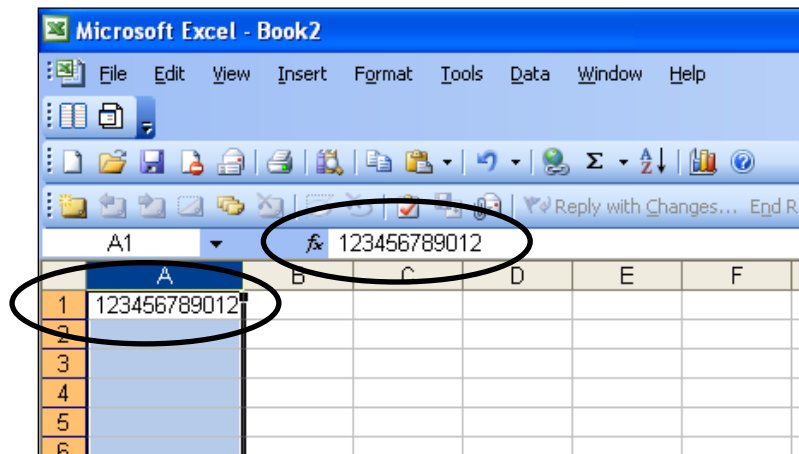
1. On the Excel spreadsheet, select column "A" (the PLU number column).
2. Choose **Cells** from the **Format** menu. The **Format Cells** dialog box displays with the **Number** tab selected. Note the the Category selected is "General".



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.

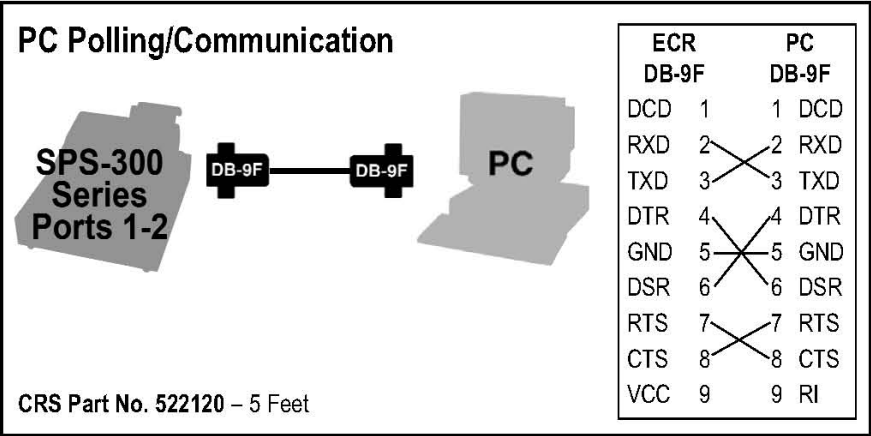


Appendix

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
Preliminary		
V1.0	4/27/2012	Keyboard Layout Note added
V1.1	4/18/2013	Added new keyboard selections available at utility version 01.019
V1.2	12/16/2015	PLU LookUp added to Edit Program menu
V1.3	12/8/2016	Updated Screens, added programming information