

# Quick Setup Guide



**ATTENTION**

THE PRODUCT THAT YOU HAVE PURCHASED CONTAINS A RECHARGEABLE NI-MH BATTERY. THIS BATTERY IS RECYCLABLE. AT THE END OF ITS USEFUL LIFE, UNDER VARIOUS STATE AND LOCAL LAWS, IT MAY BE ILLEGAL TO DISPOSE OF THE BATTERY INTO THE MUNICIPAL WASTE SYSTEM. CHECK WITH YOUR LOCAL SOLID WASTE OFFICIALS FOR DETAILS CONCERNING RECYCLING OPTIONS OR PROPER DISPOSAL.

**WARNING**

THIS IS A CLASS A PRODUCT. IN A DOMESTIC ENVIRONMENT THIS PRODUCT MAY CAUSE RADIO INTERFERENCE IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

# **SAM4S** Contents

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# SAM4S Memory Reset

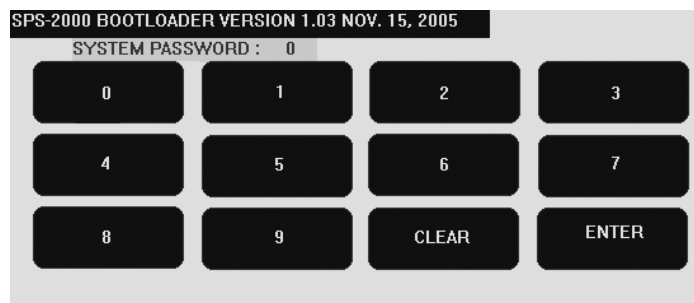
**CAUTION:** THIS WILL RESET ALL PROGRAMMED INFORMATION, SETTING THE MACHINE BACK TO FACTORY DEFAULT SETTINGS

This procedure will reset the machine back to factory settings, ready to commence programming.

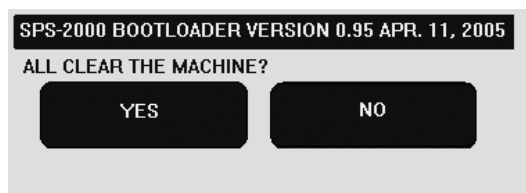
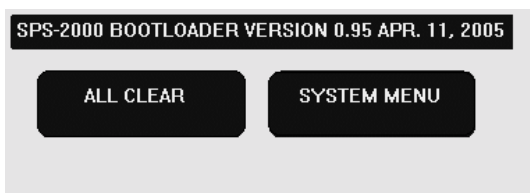
**Note:** Changing any memory allocation options after programming would result in resetting the terminal.

## MEMORY ALL CLEAR

- Turn the power switch located underneath the terminal to OFF.
- Press and hold the STANDBY button located at the front of the terminal.
- Continue to hold the STANDBY button whilst turning the power switch to the ON position.
- You will be prompted to enter a password. Type **1287**



- Two options will be shown, **ALL CLEAR** and **SYSTEM MENU**. Select **ALL CLEAR**. You will be prompted to confirm your selection. This will load the default memory allocation, this is ideal for demonstrations as all defaults are set, and the terminal is immediately ready for feature programming.
- To change the memory allocation select **S-MODE** then **MEMORY ALLOCATION** and alter the required options.



# Memory Allocation Definitions

- To access Memory Allocation select **S MODE** then **MEMORY ALLOCATION**

OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
1. # OF PLU					00104
2. # OF PLU STATUS GROUPS					0010
3. # OF PRICE LEVELS PER PLU (1-5)					5
4. PLU REPORT BY PRICE LEVEL					YES
5. # OF EMPLOYEES					005
6. # OF TIME ENTRIES PER EMPLOYEE					08
7. USE GROUP BY EMPLOYEE					YES
8. CHECK TRACKING METHOD					SOFT

OK CANCEL

## # OF PLU

This is the maximum number of PLUs (Price Look-Ups) you require in the system

## # OF PLU STATUS GROUPS

This is the maximum number of Status Groups. These are used to program common system flags to a group of PLUs and are required by the system.

## # OF PLU PRICE LEVELS PER PLU (1 - 5)

This is the number of price levels per PLU. Each product has the ability to use four prices selected from twenty price bands. This allows the user to create a matrix of products, selected for sale using the correct price key. This also provides a detailed report when used with the PLU report by price level.

## PLU REPORT BY PRICE LEVEL

It is possible to produce a read and reset report listing the sales quantity and value for each of the four prices used per product, also providing an overall analysis of the sales quantities and values for the each price level.

## # OF EMPLOYEES

This is the number of operators for the system also including the total number of employees available for the time clock wage calculation feature. In order to produce the optional training financial report, include an additional employee.

## # OF TIME I/O PER EMPLOYEE

This is the number of times an employee can clock into the system before a daily time keeping reset report is required to be printed. (I.e. the number of shifts per day)

## USE GROUP BY EMPLOYEE

It is possible to produce a report showing specific group values sold per clerk. The option of 30 groups for each individual clerk is available. This allows a specific range of 30 groups to be allocated to clerk 1 and a different range of groups to be allocated to clerk 2 etc.. with the relevant sales reporting available.

## CHECK TRACKING METHOD: SOFT / HARD

This is the method by which balances can be stored within the system. Soft refers to a complete detailed analysis with all product sales stored and printed. Hard refers to balance only storage.

# Memory Allocation Definitions

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MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS		3385820 BYTES			
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
9. # OF TRACKING FILES (0-4)				4	
10. # OF LINES PER TRANSACTION				200	
11. # OF LINES PER CHECK/INTERRUPT				030	
12. MAXIMUM # OF CHECKS					
TRACK 1		00010		TRACK 2 00010	
TRACK 3		00010		TRACK 4 00010	
13. # OF TIME PERIOD (24/48/96)				24	
14. # OF PRODUCT MIX GROUPS				005	
OK			CANCEL		

## # OF TRACKING FILES

The norm is to have one tracking file for table detail storage. This however can be increased to four, each running independently. This could be utilised to provide storage for Tables. Bar Check, Room Tabs, etc.

## # OF LINES PER TRANSACTION

This is the maximum number of products, which can be sold per transaction and must be greater than the number of lines per check/interrupt.

## # LINES PER CHECK/INTERRUPT

This is the maximum number of product lines that can be stored per check, also when using clerk interrupt this is the number of lines that can be stored per clerk.

## MAXIMUM # OF CHECKS

This is the maximum number of checks that can be opened at once. The value you enter here provides that maximum for each of the tracking files independently.

For example:- Check file 1 may be used for bar tabs of which 50 are required, whilst check file 2 may be used for restaurant tables of which 200 are required.

## # OF PRODUCT MIX GROUPS

Product mix groups are used for individual or for a group of products, providing an outer and single unit usage analysis, the analysis is automatically updated when products are sold.

# Memory Allocation Definitions

---

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3385820 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
15. # OF PRODUCT MIX TIME PERIOD (24/48/96)				24	
16. PROJECTIONS				YES	
17. # OF RECIPE				005	
18. # OF INVENTORY INGREDIENT				003	
19. # OF LINES FOR ELECTRIC JOURNAL				00100	
20. # OF PAID RECALL TRANSACTIONS				03	
21. CLERK INTERRUPT				YES	
OK			CANCEL		

## **PRODUCT MIX TIME PERIODS# (24/48/96)**

This is the number of time periods for product mix group sales reporting. This can be either 24-hourly, 48 - 1/2 hourly, 96 - 15 minutes. Further programming allows suppression and edit of any of the time periods within the chosen range.

## **# OF RECIPE**

Recipes can be used for stock control, When a product is sold; the information will be automatically calculated back through the recipe file in order to deduct the stock from the relevant ingredients. This is the maximum recipes available

## **# OF INVENTORY INGREDIENTS**

This is the maximum number of ingredients required for recipe inventory stock control on the whole system.

## **# OF LINES FOR ELECTRONIC JOURNAL**

This is the maximum number of lines available for the journal storage area before a reset report is required. One line is needed for each line of normal print. Wrap round reporting can be activated with line by line override of the oldest data.

## **# OF PAID RECALL TRANSACTIONS**

It is possible to the display the last transactions and issue copy receipts. This is the maximum number for recall.

## **CLERK INTERRUPT**

This enables the layaway of active sales allowing more than one operator to use the terminal at a time

# Memory Allocation Definitions

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS		3385820 BYTES			
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
22. ANALYSIS1 BY TIME PERIODS					YES
23. ANALYSIS2 BY TIME PERIODS					YES
24. ANALYSIS3 BY TIME PERIODS					YES
25. TRACK 1 BY TIME PERIODS					YES
26. TRACK 2 BY TIME PERIODS					YES
27. TRACK 3 BY TIME PERIODS					YES
28. TRACK 4 BY TIME PERIODS					YES
OK			CANCEL		

## ANALYSIS 1 - 3 BY TIME PERIODS

This allows analysis of a sale within a specific type such as eat in / take out etc. The sale total is stored under the analysis heading for reporting on the financial and appropriate time period report. The analysis keys can also be used to change the printer output or tax status for product orders

## TRACK 1 – 4 BY TIME PERIODS

The activity of paid checks can be reported per time period.

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS		3385820 BYTES			
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
29. REPORT SELECTION TABLE					
FINANCIAL	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
EMPLOYEE	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
PLU	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
GROUP	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
GROUP BY TIME PERIOD	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
TIME PERIOD	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
TIME KEEPING	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
MIX & MATCH	<input checked="" type="checkbox"/> Z1	<input checked="" type="checkbox"/> Z2	<input checked="" type="checkbox"/> Z3	<input checked="" type="checkbox"/> Z4	<input checked="" type="checkbox"/> Z5
OK			CANCEL		

## REPORT SELECTION TABLE

This enables activation of five reporting areas for each of the file types shown. The five report areas can be read and reset independently.



# Memory Allocation Definitions

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3385820 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
30. # OF PROMOTION TABLE					005
31. # OF CATEGORY (0-255)					010
32. # OF HOT LIST (0-999)					050
33. # OF ITEMS FOR PROMOTION TABLE(0-99)					10
34. BITMAP NV BUFFER(0-999999)					001000
35. CARD AUDIT MEMORY					001000
OK			CANCEL		

## # OF PROMOTION TABLE

The register allows promotional tables, discounting products based on the number of products sold and a preset discount amount. Reporting per mix and match table is available.

## # OF CATEGORY (0- 255)

It is possible to connect a smart card reader to the ECR. This memory option provides the ability to allocate categories to the cards. This enables rewarding of specific card holders, for example CATEGORY 1 card holder may require a 10% discount or points gained multiplied by 2 etc.. Each card in use must be linked to a category

## # OF HOT LIST (0 - 999)

It is possible to connect a smart card reader to the ECR. This memory option provides the ability to Hot list stolen or lost cards, the value entered represents how many card references can be stored as hotlisted. This file is checked to determine validity when a card sale is attempted

## # OF ITEMS FOR PROMOTION TABLE

N/a

## BITMAP NV BUFFER (0 – 999999)

The system has the ability to print graphics logos to the internal printer, these are downloaded from the PC directly to the register. Alternatively the system allows graphical image printing on an external printer, where an image number can be selected per product group and printed as vouchers etc.

## CARD AUDIT MEMORY

N/a

- A screen can include any combination of different keys.
- A specific screen can be activated after a PLU has been selected.
- A screen can be linked to a subsequent screen in order to lead the operator through a sequence of selections
- A screen can be displayed for a single item selection closing after registration or multiple items closing on request.
- A screen has various operator controls such as requesting that a set number of items are sold from a screen.
- Up to 200 screens are available with a maximum of 40 items per screen, these can be nested to create further item selections.

# Screen Designer

## Screen Allocation

- Select **S-MODE** then **SCREEN DESIGNER**
- Use the arrow keys to scroll to the required screen, alternatively enter the screen no.
- Select a key to program and press **KEY** on the right hand side of the screen.
- Press the **SCREEN NO.** menu button and select the required screen from the list or alternatively enter the screen no. followed by the **SCREEN NO.** button
- Press **OK**
- To resize a screen button select the required button size from the **BUTTON TYPE** option.
- Repeat for further keys if required
- Press **CLOSE** to save & exit

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST		MEMORY CLEAR		MEMORY ALLOCATION
SCREEN DESIGNER		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		

SCREEN DESIGNER									
EMPL DYSE1	EMPL DYSE2	EMPL DYSE3	EMPL DYSE4	EMPL DYSE5	D. MAIN SCREEN				
FUNCTION LIST STATUS PGM					F5/F1				
SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4	SCREEN 5	SELECT KEY/IMAGE				
SCREEN 6	SCREEN 7	SCREEN 8	SCREEN 9	SCREEN 10	KEY IMAGE LEVEL2				
RECALL CHK1	STORE CHK1	LIST CHECK1	TABLE 1	GUEST #	APPLY TO ALL SCREEN				
RECALL CHK2	STORE CHK2	LIST CHECK2	PRINT CHECK	ADD CHECK	APPLY				
CLK DU/OUT	ALPHA TEXT	PRIO RECALL	PRICE LVLE	PRICE LVLE2	BUTTON COLOR				
N 1	N 2	HOSE RETURN	VOID ITEM	CANCEL	BUTTON TYPE				
WIND SALE	RECEIPT	REPT ON/OFF	RESC TENDG	CHEQUE	RESET CLOSE				

KEY SELECTION			
DESCRIPTION:	FUNCTION	WLD	SCREEN No.
SCREEN 3	001 - SCREEN 1		
DEFAULT DESC:	002 - SCREEN 2		
SCREEN 3	003 - SCREEN 3		
	004 - SCREEN 4		
	005 - SCREEN 5		
	006 - SCREEN 6		
	007 - SCREEN 7		
	008 - SCREEN 8		
	009 - SCREEN 9		
	010 - SCREEN 10		
	011 - SCREEN 11		
	012 - SCREEN 12		
	013 - SCREEN 13		
	014 - SCREEN 14		
	015 - SCREEN 15		
	016 - SCREEN 16		
	017 - SCREEN 17		
FUNCTION	WLD	SCREEN No.	
PAGE UP		PAGE DOWN	
OK		CANCEL	

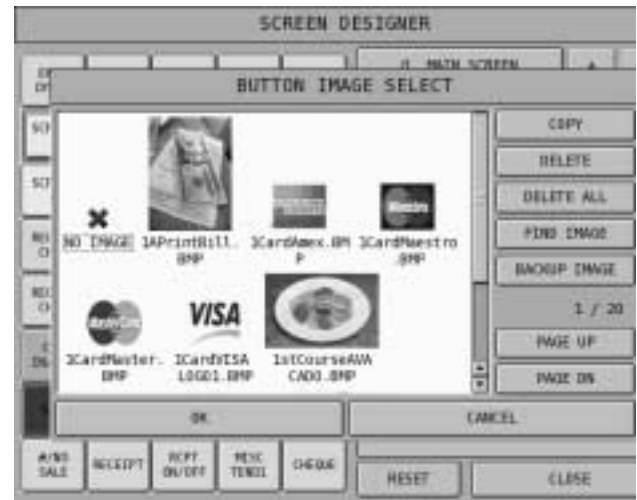
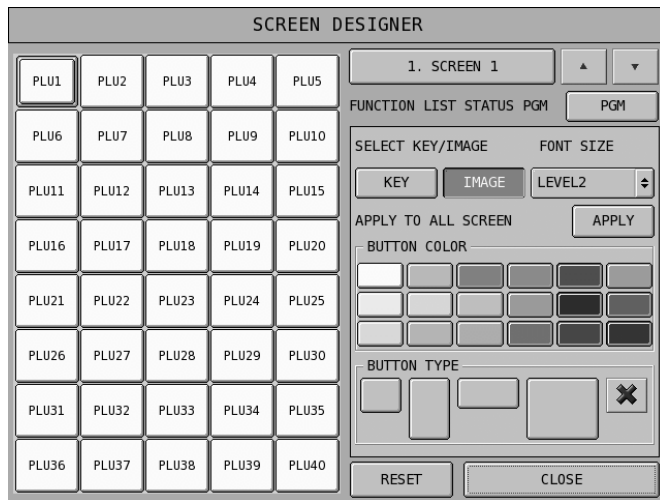
This is the number of choices to be made from the window

# Screen Designer

## Loading Images to Buttons

The SPS-2000 has the capability to load images to screen buttons

- Select **S MODE** then **SCREEN DESIGNER**
- Use the arrow keys to scroll to the required screen, alternatively enter the screen no.
- Select a key to program and select **IMAGE** on the right hand side of the screen.
- Select the image to allocate to the button using the **PAGE UP/PAGE DOWN** keys and press **OK**
- To remove an image from a screen button select **NO IMAGE** and press **OK**.



## Copying And Deleting Images

It is possible to copy images from the SD card and delete images from the terminal. The images saved to the SD card need to be less than 15 characters long, only contain alphabetic and numeric values and be no more than 50 x 60 pixels in size.

- To copy images stored on the SD card select the **COPY** option.
- When prompted to confirm select **YES**
- To delete an image from the terminal select the **DELETE** option. To delete all images from the terminal select **DELETE ALL**

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**NOTE :-IF THE DELETE ALL OPTION IS SELECTED THEN THE IMAGES WILL NEED TO BE RELOADED FROM EITHER THE SD CARD OR FROM THE PC. TO COPY THE IMAGES DIRECTLY FROM THE PC FOLLOW THE INSTRUCTIONS BELOW.**

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## Downloading Images To The Terminal

- Set up your PC IP address to **192.168.0.2** and then set up the subnet mask as **255.255.255.0**
- Connect the PC to the terminal using the crossover cable.
- Run the **SPS2000Update.exe** file.
- Select the **TARGET REGISTER** number to match the terminal register number.
- Select the **PICTURE UPLOAD** option this will transfer the information to the terminal.  
For further information please refer to [www.ycr.co.uk/faq](http://www.ycr.co.uk/faq)

# **SAM4S** IRC - Communications

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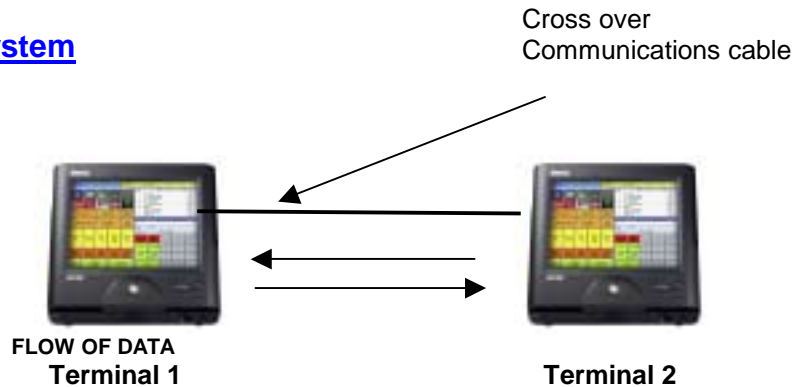
- Real time check tracking detail transfer, as any check is updated the information is available on all terminals within the system
- Real time employee sale interruption, allowing operators to float around the system, opening, closing, and adding to a sale on any terminal.
- Network management of time clock data, allowing any employee to clock into the wages system on any terminal within the system, with a centrally held time clock.
- Networked remote order printers, allow a central set-up of printers or unique output settings per terminal, with an optional centrally controlled kitchen order number
- Consolidated reports for all machines in the system, also the ability to select from a terminal list table if individual machines are required, i.e. reports required for terminal 3, 5, and 7,
- Simple networked till by till financial report allow all terminals to be cashed up from any register using the Station Totals report.
- Real time product creation, products amended or created any where on the system will automatically be transmitted throughout the network.
- Automatic file recovery, allowing the terminal to automatically create a product during report consolidation if that product does not exist on the terminal to which the report is consolidated.  
I.e. a product exists in terminal 2 with sales which is present on terminal 1, when sales consolidation takes place on terminal 1 that item is created.
- A 10 base 'T' network, which incorporates an ETHERNET HUB communications method for more than one terminal, providing efficient network management.

# IRC – Real Time Communications

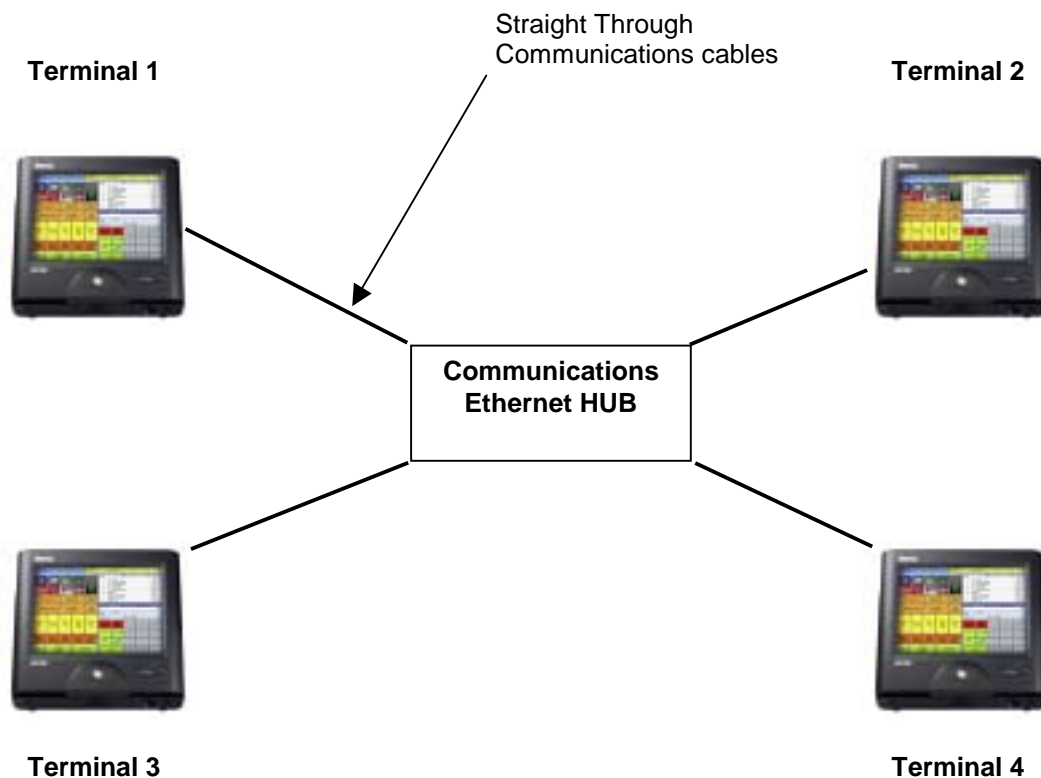
The information is transmitted real time, for example if a PLU is created on one terminal the information is automatically transmitted to all machines within the network. The real time principal is also applied to check details and employee interrupt sale data. This information is held in one terminal and can be updated and accessed on any terminal within the network

The SPS-2000 uses 10 base 'T' network, which incorporates an ETHERNET HUB communications method, this means if more than two terminals are to be connected together a hub is used, providing effective data transfer such as automatic file recovery.

## Two Terminal System



## More Than Two Terminal System



# IRC – Real Time Communications

When connecting terminals within an IRC system ensure, the main program information is identical, as the system operates a real time update of product information etc. The file sizes within the memory allocation must also be the same.

## Setting Up Two Terminals

Each of the four tracking files can be stored independently on any of the cash registers within the system.

- Select **S-MODE** then **SYSTEM OPTIONS**
- Ensure the following are set-up

**IRC: FROM REGISTER#**

1<sup>st</sup> Register Number

**IRC: TO REGISTER#**

Last Register Number

**REG# HOLDS TIME IN/OUT DATA**

The register storing the wages time clock system

**REG# HOLDS CHECK TRACKING DATA 1 to 4**

The register which stores balances

**REG# HOLDS CLERK INTERRUPT DATA**

The register which stores the central clerk data

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR				
MEMORY ALLOCATION				
KEY RELOCATION				
SYSTEM OPTIONS				
PRINTER DRIVER SELECTIONS				
DEFINE PORT				
S-MODE PROGRAM SCAN PRINTING				
PASSWORD				
LOAD DEFAULT MESSAGES				
CHECK UNLOCK				
CLERK UNLOCK				
SRAM BACKUP				
TABLE MANAGEMENT				
CARD MAINTENANCE				

S-MODE SYSTEM OPTIONS			
OPTION#1	OPTION#2	OPTION#3	
1. REGISTER # (01-32)			01
2. STORE #			000000
3. IRC : FROM REGISTER #			01
4. IRC : TO REGISTER #			02
5. IRC # OF RETRIES			00
6. PRINT/DISPLAY DECIMAL POSITION			2
7. PASSWORD (0000=NO PASSWORD)			
X	0000	Z1	0000
Z3	0000	Z4	0000
Z2	0000	Z5	0000
OK			CANCEL

S-MODE SYSTEM OPTIONS			
OPTION#1	OPTION#2	OPTION#3	
8. SEND PLU DESCRIPTOR WHEN POLLED			NO
9. REG# HOLDS TIME IN/OUT DATA			00
10. REG# HOLDS CHECK TRACKING DATA			
CHECK#1	01	CHECK#2	01
CHECK#3	01	CHECK#4	01
11. REG# HOLDS BACKUP CHECK TRACK DATA			
CHECK#1	00	CHECK#2	00
CHECK#3	00	CHECK#4	00
12. REG# HOLDS KP GLOBAL ORDER#			01
OK			CANCEL

S-MODE SYSTEM OPTIONS			
OPTION#1	OPTION#2	OPTION#3	
13. REG# HOLDS CLERK INTERRUPT DATA			01
14. DISPLAY PRINTER ERROR WHEN POLLING			YES
15. ENABLE FRONT POWER SWITCH			YES
16. USE GRAPHIC TABLE MANAGEMENT			NO
OK			CANCEL





# **SAM4S** Clerk Interrupt

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- The ability to interrupt a sale in progress and commence another sale for a different employee.
- On screen display of products when an employee returns back to transaction to enter additional products.
- The ability to open a transaction on one terminal and have that transaction available for sales on any terminal within the system.
- The interrupt feature is available along with such features as check tracking, scanning etc. allowing a truly flexible hospitality and retail system within the same network.
- Clerk Interrupt sales can also be posted to a check at the beginning of a sale or at any time during the transaction.

# Clerk Interrupt

The system allows one employee to interrupt the sale of another employee, this can apply to any machine within the network. The number of lines that can be stored per employee is set within the memory allocation under the header LINES PER CHECK/INTERRUPT

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION** and set **CLERK INTERRUPT** to **YES**
- Set the **REG# HOLDS CLERK INTERRUPT DATA** to the required register number.
- Select **PGM-MODE** then **SYSTEM OPTION** then **GENERAL FUNCTION OPTIONS**
- Ensure **ALLOW CLERK INTERRUPT option 44** is set to **YES**. This allows users to layaway a sale without finalising
- If sharing across an IRC network ensure **ALLOW FLOATING CLERK option 45** is set to **YES**. This allows users to operate a sale on more than one machine
- If clerks are not being signed off when using clerk interrupt then ensure **ALLOW CLERK CHANGE WITHOUT SIGN-OFF option 46** is set to **YES**

REG	REP	PGM	S	1 EMPLOYEE
PLU		GROUP		FUNCTION KEY
SYSTEM OPTION		EMPLOYEE		REPORTS
TIME		PRODUCT & INGREDIENT		TAXES
MESSAGES		PRINTER & KV ROUTING		MIX & MATCH TABLE
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS

REG	REP	PGM	SYSTEM OPTION PROGRAMMING	
PLU		GENERAL FUNCTION OPTIONS		FUNCTION KEY
SYSTEM OPTION		TAX OPTIONS		REPORTS
TIME		CASH DRAWER OPTIONS		TAXES
MESSAGES		TRAINING MODE OPTIONS		MIX & MATCH TABLE
FILE MANAGEMENT		LEVEL / MODIFIER OPTIONS		SMART CARD OPTIONS
		TRACKING FILE OPTIONS		
		KITCHEN PRINTING / VIDEO OPTIONS		
		PAGE UP	PAGE DOWN	
		CLOSE		

GENERAL FUNCTION OPTIONS						
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6	OPTION#7
44. ALLOW CLERK INTERRUPT						YES
45. ALLOW FLOATING CLERK						YES
46. ALLOW CLERK CHANGE WITHOUT SIGN-OFF						YES
47. GELDKARTE LOGIN PASSWORD						000000
48. SKIP IN NOT FOUND PLU REGISTRATION:						
GROUP LINK #1						NO
DESCRIPTOR						NO
49. SUBTRACT CHANGE FROM FOREIGN TOTAL						NO
50. RECEIPT STATUS ON OPERATOR DISPLAY						YES
51. AUDIBLE TONE ON HOT LIST						NO
CLOSE						

# SAM4S Check Tracking System

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- Four independent IRC real time tracking files can be used
- For example, restaurant checks, bar tabs, function room orders and restaurant balances.
- The List check key is available to display a list of open soft checks.
- On Screen display of current bill with complete detailed billing and the ability to recall to the display paid transactions
- Hour by Hour Analysis of each Tracking File, Independent open tracking reports
- Archived balance history for two independent check tracking files.  
For example tracking file one can maintain Restaurant checks that are open whilst tracking file two will hold for reporting purposes all paid restaurant bills, this also applies to files 3 and 4
- Guest count tracking to record the number of guests served with hourly analysis.
- Seat numbers used to identify a specific seat (or person) within a transaction. This facilitates separate payment by seat for a single check, and helps identify food requirements to the preparation staff assisting with assembling meals
- Split Payment allowing division of a guest check into equal segments for payment by more than one person. For example for people wanting to pay their share of the bill.
- An Add Check feature with the ability to Add/transfer multiple guest checks through the four tracking files.
- The balance can be recalled by either entering the check or by the table number if there are multiple checks for the same table. When the table number is entered all open checks at the table will be displayed and the operator can then open the required check.
- The option to print bitmap images on the transaction receipt. The system also has guest check billing logo messages separate from the normal receipt messages.
- There are three definable text analysis buttons; these can be used to provide hourly reports for the value of goods sold per analysis area. Pressing one of these buttons during the sale will automatically ensure the sales area totalled to the correct area. These keys can be used for BAR, FUNCTION, etc. to analyse how busy each area is per hour, also how much revenue each area produces. These keys also have the ability to change the kitchen order printing area per transaction.
- The ability to maintain balances only using the hard check system, which uses less memory than detail tracking as the balances, not products are stored.

# Check Tracking System

## Memory Allocation

This must be set as part of the system initial program and cannot be changed without resetting to defaults

**NOTE PLEASE ENSURE THE IRC PROGRAMMING SECTION HAS BEEN COMPLETED AS SHOWN PREVIOUSLY, SPECIFYING WHICH TERMINAL WILL BE STORING CHECK TRACKING DATA.**

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION**
- CHECK TRACKING METHOD**                                      This should be set to SOFT for detail tracking
- CHECK TRACKING FILES 0-4**                                      This option is the number of tracking files in use.
- LINES PER CHECK/INTERRUPT**                                      This is the number of lines per bill 1 item is 1 line
- MAX NUMBR CHECKS (ALL FILES)**                                      This is the number of checks available. This and the number of lines apply to all check files

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST		MEMORY CLEAR		MEMORY ALLOCATION
KEY RELOCATION		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		CARD MAINTENANCE

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3384656 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
1. # OF PLU					00104
2. # OF PLU STATUS GROUPS					0010
3. # OF PRICE LEVELS PER PLU (1-5)					5
4. PLU REPORT BY PRICE LEVEL					YES
5. # OF EMPLOYEES					005
6. # OF TIME ENTRIES PER EMPLOYEE					08
7. USE GROUP BY EMPLOYEE					YES
8. CHECK TRACKING METHOD					SOFT
OK			CANCEL		

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3384656 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
9. # OF TRACKING FILES (0-4)					4
10. # OF LINES PER TRANSACTION					200
11. # OF LINES PER CHECK/INTERRUPT					030
12. MAXIMUM # OF CHECKS					
TRACK 1		00010	TRACK 2		00010
TRACK 3		00010	TRACK 4		00010
13. # OF TIME PERIOD (24/48/96)					24
14. # OF PRODUCT MIX GROUPS					005
OK			CANCEL		

# Check Tracking System

## Screen Allocation

- Select **S-MODE** then **SCREEN DESIGNER**
- Use the arrow keys to scroll to the required screen, alternatively enter the screen no.
- Select a key to program and press **KEY** on the right hand side of the screen.
- Type in the function code and press the **FUNCTION** key or press the **FUNCTION** menu button to select from the list.
- Press **OK**
- Repeat for further keys if required
- Press **CLOSE** to save & exit

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST		MEMORY CLEAR		MEMORY ALLOCATION
SCREEN DESIGNER		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		

SCREEN DESIGNER									
EMPL OVER1	EMPL OVER2	EMPL OVER3	EMPL OVER4	EMPL OVER5	0. MAIN SCREEN				
SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4	SCREEN 5	FUNCTION LIST STATUS POP				
SCREEN 6	SCREEN 7	SCREEN 8	SCREEN 9	SCREEN 10	SELECT KEY/IMAGE FONT SIZE				
RECALL CHK1	STORE CHK1	LIST CHECK1	TABLE 1	GUEST #	KEY IMAGE LEVEL2				
RECALL CHK2	STORE CHK2	LIST CHECK2	PRINT CHECK	ADD CHECK	APPLY TO ALL SCREEN				
CLK IN/OUT	ALPHA TEXT	PRD RECALL	PRICE LVLS	PRICE LVLS2	APPLY				
N 1	N 2	RECEIPT	RECEIPT	CANCEL	BUTTON COLOR				
#/NO SALE	RECEIPT	REPT ON/OFF	RESE TEND	CHEQUE	BUTTON TYPE				
					RESET CLOSE				

SCREEN DESIGNER									
EMPL OVER1	EMPL OVER2	EMPL OVER3	EMPL OVER4	EMPL OVER5	0. MAIN SCREEN				
SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4	SCREEN 5	FUNCTION LIST STATUS POP				
SCREEN 6	SCREEN 7	SCREEN 8	SCREEN 9	SCREEN 10	SELECT KEY/IMAGE FONT SIZE				
RECALL CHK1	STORE CHK1	LIST CHECK1	TABLE 1	GUEST #	KEY IMAGE LEVEL2				
RECALL CHK2	STORE CHK2	LIST CHECK2	PRINT CHECK	ADD CHECK	APPLY TO ALL SCREEN				
CLK IN/OUT	ALPHA TEXT	PRD RECALL	PRICE LVLS	PRICE LVLS2	APPLY				
N 1	N 2	RECEIPT	RECEIPT	CANCEL	BUTTON COLOR				
#/NO SALE	RECEIPT	REPT ON/OFF	RESE TEND	CHEQUE	BUTTON TYPE				
					RESET CLOSE				

KEY SELECTION			
DESCRIPTOR	FUNCTION	NLD	SCREEN No.
RECALL CHK1	100. PROMPT		
DEFAULT DESC	101. QUIT		
RECALL CHK1	102. REPT ON/OFF		
	103. RECALL CHK1		
	104. RECALL CHK2		
	105. RECALL CHK3		
	106. RECALL CHK4		
	201. RECD ACCT1		
	202. RECD ACCT2		
	203. RECD ACCT3		
	204. RECD ACCT4		
	205. RECD ACCT5		
	206. RECEIPT		
	207. REPEAT		
	208. SCALE		
	209. SEAT #		
	211. SPLIT ITEM		
FUNCTION		NLD	SCREEN No.
OK		PAGE UP PAGE DOWN	
		CANCEL	

## Check Tracking Function Keys

- RECALL CHECK 1 – 4** Four different tracking files can be used to maintain checks
- STORE CHECK 1 – 4** Press one of the four STORE CHECK # keys to hold a transaction
- LIST CHECK 1 – 4** Press the List Check key to display a list of open checks
- PRINT CHECK** Used to print a bill for any of the check tracking files 1 – 4
- GUEST #** Used to record the number of customers
- ADD CHECK** Add /transfer checks
- SEAT#** Pay items from check by seat number
- SPLIT PAYMENT** Use the split payment key to divide the amount of a check equally
- TABLE#** Used to enter the table



# SAM4S Bill Printer

It is possible on a detailed check tracking system to have a complete itemised bill for the customer. This is printed on an external printer. The settings below show how to program an external printer.

There are various options available for customising the bill, for example, the ability to sort the bill so items are printed in order of their analysis groups etc, please refer to the system options

- Select **S-MODE** then **DEFINE PORT**
- Press the **SERIAL PORT#** key and select the port from the list (this is the physical port the printer is connected to).
- Press the button next to **DEVICE** and select **PRINTER**
- Select the correct printer model from the list and press **OK** twice to save and exit.

REG	REP	PGM	S	1 EMPLOYEE															
<table border="1"> <tr> <td>SELF TEST</td> <td>MEMORY CLEAR</td> <td>MEMORY ALLOCATION</td> </tr> <tr> <td>KEY RELOCATION</td> <td>SYSTEM OPTIONS</td> <td>PRINTER DRIVER SELECTIONS</td> </tr> <tr> <td>DEFINE PORT</td> <td>S-MODE PROGRAM SCAN PRINTING</td> <td>PASSWORD</td> </tr> <tr> <td>LOAD DEFAULT MESSAGES</td> <td>CHECK UNLOCK</td> <td>CLERK UNLOCK</td> </tr> <tr> <td>SRAM BACKUP</td> <td>TABLE MANAGEMENT</td> <td>CARD MAINTENANCE</td> </tr> </table>					SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION	KEY RELOCATION	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS	DEFINE PORT	S-MODE PROGRAM SCAN PRINTING	PASSWORD	LOAD DEFAULT MESSAGES	CHECK UNLOCK	CLERK UNLOCK	SRAM BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION																	
KEY RELOCATION	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS																	
DEFINE PORT	S-MODE PROGRAM SCAN PRINTING	PASSWORD																	
LOAD DEFAULT MESSAGES	CHECK UNLOCK	CLERK UNLOCK																	
SRAM BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE																	

DEFINE PORT PARAMETERS			
PORT#	SERIAL PORT#1		BITMAP DOWNLOAD
PORT DESCRIPTION	PORT1		
BAUD RATE	9600	PARITY	NONE
DATA BITS	8	STOP BITS	1
RETRIES	03	PRINT BITMAP	NO
FEED LINES BEFORE PRINTING	00	FEED LINES AFTER PRINTING	07
LOGO SIZE	NORMAL	LINES ON "HARD" SLIP	00
CUTTING AFTER PRINTING	YES		
DEVICE	DISABLE		
OK		CANCEL	

DEFINE PORT PARAMETERS			
SERIAL PORT#1 DEVICE SELECTIONS			
PC DEVICE	PRINTER TYPE		
BA	DISABLE	ELLIX 30	
DA	PRINTER	ELLIX 20	
RE	VIDEO	SAM SPP-270	
PE	POLLING	SAM SPP-350	
RE	SCALE	CITIZEN 3551	
LC	SCANNER	CITIZEN 810	
CL	PAGE UP	PAGE DOWN	PAGE UP
PP	PAGE UP	PAGE DOWN	PAGE DOWN
DE	OK		CANCEL
	OK		CANCEL



# Bill & Receipt Printer

## Allocating The External Printer To The System List

The system stores a master list of all printers used in the system, these are then allocated to a particular task.

- Select **PGM-MODE** then **PRINTER & KV ROUTING** followed by **SYSTEM PRINTER CONFIGURATION**
- Type in the name of the printer in the first available number i.e. #1 RECEIPT TILL 1
- Select the register number the printer is linked to, then select the physical port number from the list i.e. 01 1 means REG 1, port 1.

The same REG number and port can be used for various print jobs

REG	REP	PGM	S	1 EMPLOYEE
PLU		GROUP		FUNCTION KEY
SYSTEM OPTION		EMPLOYEE		REPORTS
TIME		PRODUCT & INGREDIENT		TAXES
MESSAGES		PRINTER & KV ROUTING		MIX & MATCH TABLE
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS

SYSTEM PRINTER CONFIGURATION					
PRINTER	DESCRIPTOR	MAIN		BACK UP	
		REG#	PORT#	REG#	PORT#
# 1	RECEIPT	01	1	00	0
# 2		00	0	00	0
# 3		00	0	00	0
# 4		00	0	00	0
# 5		00	0	00	0
# 6		00	0	00	0
# 7		00	0	00	0
# 8		00	0	00	0
# 9		00	0	00	0
#10		00	0	00	0
PAGE UP		PAGE DOWN		CLOSE	

REG	REP	PGM	S	1 EMPLOYEE
PLU		PRINTER & KV ROUTING MENU		FUNCTION KEY
SYSTEM OPTION		SYSTEM PRINTER CONFIGURATION		REPORTS
TIME		KITCHEN VIDEO ROUTING		TAXES
MESSAGES		KITCHEN PRINTER ROUTING		MIX & MATCH TABLE
		RECEIPT PRINTER ROUTING		
		DETAIL PRINTER ROUTING		
		CLOSE		
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS

# Bill & Receipt Printer

## Programming The Print Check Key

The bill can be printed to any one of the 40 external printers.

- Select **PGM-MODE** then **FUNCTION KEY**
- Use the **PAGE UP/PAGE DOWN** buttons and select the **PRINT CHECK** key.
- Enter the printer # to be used, this is the printer number from the system printer configuration list i.e. 01 for RECEIPT PRINTER 1
- Press **CLOSE** and **CLOSE** again to quit and save

PLU	GROUP	FUNCTION KEY
SYSTEM OPTION	EMPLOYEE	REPORTS
TIME	PRODUCT & INGREDIENT	TAXES
MESSAGES	PRINTER & KV ROUTING	MIX & MATCH TABLE
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS

SELECT FUNCTION KEY	
190	PRINT
191	PRINT CHECK
192	PRINT HOLD
193	PROMO
195	QUIT
196	ROPT ON/OFF
197	RECALL CHK1
198	RECALL CHK2
199	RECALL CHK3
200	RECALL CHK4

FUNCTION KEY LIST	
PAGE UP	PAGE DOWN
0	
7	8
4	5
1	2
0	00
OK	
CLOSE	

FUNCTION KEY #191 PROGRAMMING	
FUNCTION KEY #	191
DEFAULT DESC	PRINT CHECK
DESCRIPTOR	PRINT CHECK
PRINT CHECK ON PRINTER # (0-40)	02
PRINT CHECK AUTOMATICALLY SERVICE CHK?	NO
PRINT CONSEC# ON GUEST CHECK?	YES
PAGE UP	
PAGE DOWN	
CLOSE	



# **SAM4S** Remote Order Printing

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- The ability to allocate the nine different printing groups to 40 different combinations of locations.
- Sorting of the kitchen order by the printer groups, i.e. starters, mains etc. with optional cutting per group
- Automatic timed change of the printing locations. For example switch from food printing in the bar to printing in the restaurant on an evening.
- The ability to change the printer location within a sale using either the KP routing function key or using one of the three area analysis keys.
- Optional display of the current printing area, and of the currently printed order number
- Optional global order numbering so all terminals issue a consecutive kitchen order
- There is a great degree of flexibility in formatting the kitchen ticket, i.e. Print Retail price, Sale total, Consolidation of like items etc...
- The ability to hold an ordered check item so the selected items will not print on the printer at balance hold. The items will be highlighted ready for print when required
- The ability to print items to the order printer on request using a Print key.
- The ability to customise the kitchen printer ticket with logo, price, PLU number etc.

# Remote Order Printing

Each product can be allocated to any one of nine print groups. This print group can be sent to any one of 40 different printer locations.

Whenever the product print group appears in the printer table it will be printed at that printer. The same print group can be entered more than once causing products to print at more than one location simultaneously and/or multiple tickets at the same location.

## Example PLU Setup

PLU 1 SOUP	- PRINT GROUP 1 -	RESTAURANT
PLU 2 STEAK	- PRINT GROUP 1 -	RESTAURANT
PLU 3 GLASS of WINE	- PRINT GROUP 2 -	BAR
PLU 4 GLASS of BEER	- PRINT GROUP 2 -	BAR
PLU 5 BOTTLE OF CHAMPAGNE	- PRINT GROUP 1 & 2	RESTAURANT & BAR

## Example Printer Matrix

**Note** Every time the PLU printer GROUP appears the item is printed on that printer

KITCHEN PRINTER ROUTING										
PERIOD#1										
PT#	DESCRIPTOR	KP#	KP#	KP#	KP#	KP#	KP#	KP#	KP#	KP#
02	KITCHEN	1	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0

Print Groups that each printer will Print Out

The printers can switch automatically to print a completely different set of PLU print Groups, For example separate hot and cold food kitchen printers may be active during lunch and a single kitchen printer active during dinner, you can make assignments to four different time periods.

The system also has extensive kitchen order print formatting, i.e. print all products in kitchen printer group order, i.e. all starters together etc, print retail prices, sales totals etc. all can be set to customise the print out.

Some items may be programmed as auto grill so they will always be sent to the designated grill printer. The advantage of using the auto grill group is the item is sent to the printer immediately after the sale of the next item or when the print key is pressed. This allows for speedy service in fast food environments

A seat number (person number) system can also be used in a soft check system. The purpose is to separate orders by individuals so that they can be identified as individuals on kitchen requisitions. This also facilitates separate payments.

Another feature is used in table check management to prevent kitchen printer orders from being printed immediately after items are registered and serviced.

For example a server registers a customers order consisting of appetisers and main courses, without this feature both the appetisers and main courses are printed at the same time. With this feature the server can 'Hold' MAIN course items, which prevents them from being printed. At a later time the server can recall the check where the items were registered and fire the main course items so they can be prepared and served when the customer is ready

# Remote Order Printing

**EXAMPLE** During the day the restaurant is not open so the wines and food that are ordered at the bar cannot print to the restaurant printer. They must print on the bar printer, During the evening the restaurant will be open and they will deal with any wine and food orders.

## BAR

BAR

PRINTER 1

REGISTER 1 - BAR



## RESTAURANT

RESTAURANT

WINES

PRINTER 2

PRINTER3

REGISTER 2 - RESTAURANT



PHYSICALLY CONNECTED		
1	BAR PRINTER	REG 1 - PORT 1
2	FOOD PRINTER	REG 2 - PORT 1
3	WINES PRINTER	REG 2 - PORT 1

## PLUs to be printed in these locations

### ITEMS

BAR DRINKS  
BAR FOOD  
WINES  
RESTAURANT FOOD

### DAY TIME

- Prints in the BAR  
- Prints in the BAR  
- Print in the BAR  
- Restaurant Shut

### EVENING

- Prints in the BAR  
- Prints in the Restaurant  
- Prints in the Restaurant  
- Prints in the Restaurant

## PLU Print Groups allocated

### ITEMS

FOOD  
DRINK  
WINES

### PRINT GROUP

- GROUP 1  
- GROUP 2  
- GROUP 3

The 1<sup>st</sup> – 9<sup>th</sup> Print groups can have the print groups entered in any order up to 9 of them i.e. the 1<sup>st</sup>, 2<sup>nd</sup> etc..

**PRINTER ROUTING – DAYTIME** – Everything to be printed in the bar as restaurant is closed

	1 <sup>ST</sup> PRINT GROUP	2 <sup>nd</sup> PRINT GROUP	3 <sup>rd</sup> PRINT GROUP	4 <sup>th</sup> PRINT GROUP	5 <sup>th</sup> PRINT GROUP	6 <sup>th</sup> PRINT GROUP	7 <sup>th</sup> PRINT GROUP	8 <sup>th</sup> PRINT GROUP	9 <sup>th</sup> PRINT GROUP
BAR PRINTER	1	2	3	0	0	0	0	0	0
FOOD PRINTER	0	0	0	0	0	0	0	0	0
WINES PRINTER	0	0	0	0	0	0	0	0	0

**PRINTER ROUTING – EVENING** – BAR FOOD & Wines are to be printed in the RESTAURANT

	1 <sup>ST</sup> PRINT GROUP	2 <sup>nd</sup> PRINT GROUP	3 <sup>rd</sup> PRINT GROUP	4 <sup>th</sup> PRINT GROUP	5 <sup>th</sup> PRINT GROUP	6 <sup>th</sup> PRINT GROUP	7 <sup>th</sup> PRINT GROUP	8 <sup>th</sup> PRINT GROUP	9 <sup>th</sup> PRINT GROUP
BAR PRINTER	1	0	0	0	0	0	0	0	0
FOOD PRINTER	2	0	0	0	0	0	0	0	0
WINES PRINTER	3	0	0	0	0	0	0	0	0

# Remote Order Printing

It is possible to set five physical printers to one terminal and nine printers per product through an inter register communications network, of up to 40 printers.

## Setting the Serial Port

- Select **S-MODE** then **DEFINE PORT**
- Press the **SERIAL PORT#** key and select the port from the list (this is the physical port the printer is connected to).
- Press the button next to **DEVICE** and select **PRINTER**
- Select the correct printer model from the list and press **OK** twice to save and exit.

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR		MEMORY ALLOCATION		
KEY RELOCATION		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		CARD MAINTENANCE

DEFINE PORT PARAMETERS			
PORT#	SERIAL PORT#1		BITMAP DOWNLOAD
PORT DESCRIPTION	PORT1		
BAUD RATE	9600	PARITY	NONE
DATA BITS	8	STOP BITS	1
RETRIES	03	PRINT BITMAP	NO
FEED LINES BEFORE PRINTING	00	FEED LINES AFTER PRINTING	07
LOGO SIZE	NORMAL	LINES ON "HARD" SLIP	00
CUTTING AFTER PRINTING	YES		
DEVICE	DISABLE		
OK		CANCEL	

DEFINE PORT PARAMETERS			
SERIAL PORT#1 DEVICE SELECTIONS			
PC DEVICE	PRINTER TYPE		
BA	DISABLE	ELLIX 10	
DA	PRINTER	ELLIX 20	
FE	VIDEO	SAM SPP-270	
FE	POLLING	SAM SPP-350	
DE	SCALE	CITIZEN 3553	
LC	SCANNER	CITIZEN 810	
CL	PAGE UP	PAGE DOWN	PAGE UP PAGE DOWN
DE	OK		CANCEL
	OK		CANCEL

# Remote Order Printing

## Allocating The External Printer To The System List

The system stores a master list of all printers used in the system, these are then allocated to a particular task.

- Select **PGM-MODE** then **PRINTER & KV ROUTING** then **SYSTEM PRINTER CONFIGURATION**
- Type in the name of the printer in the first available numbered row i.e. #1 **RECEIPT TILL 1**
- Select the register number the printer is linked to then select the physical port number from the list i.e. 01 1 means REG 1, port 1. The same REG number and port can be used for various print jobs

REG	REP	PGM	S	1 EMPLOYEE
PLU				
GROUP				
FUNCTION KEY				
SYSTEM OPTION				
EMPLOYEE				
REPORTS				
TIME				
PRODUCT & INGREDIENT				
TAXES				
MESSAGES				
PRINTER & KV ROUTING				
MIX & MATCH TABLE				
FILE MANAGEMENT				
P-MODE PGM SCAN				
SMART CARD OPTIONS				

REG	REP	PGM	S	1 EMPLOYEE
PLU				
PRINTER & KV ROUTING MENU				
SYSTEM PRINTER CONFIGURATION				
KITCHEN VIDEO ROUTING				
KITCHEN PRINTER ROUTING				
RECEIPT PRINTER ROUTING				
DETAIL PRINTER ROUTING				
CLOSE				
FUNCTION KEY				
REPORTS				
TAXES				
MIX & MATCH TABLE				
FILE MANAGEMENT				
P-MODE PGM SCAN				
SMART CARD OPTIONS				

SYSTEM PRINTER CONFIGURATION					
PRINTER	DESCRIPTOR	REG#	PORT#	BACK UP REG#	BACK UP PORT#
# 1	RECEIPT	01	1	00	0
# 2	KITCHEN	01	2	00	0
# 3		00	0	00	0
# 4		00	0	00	0
# 5		00	0	00	0
# 6		00	0	00	0
# 7		00	0	00	0
# 8		00	0	00	0
# 9		00	0	00	0
# 10		00	0	00	0
PAGE UP		PAGE DOWN		CLOSE	



# Remote Order Printing

## Allocating A PLU To Kitchen Print Group

Each PLU is assigned to a kitchen printer group via PLU Status Group programming. These are then linked to a printer number for printing.

- Select **PGM-MODE** then **PLU** then **PLU STATUS GROUP**
- Select the relevant PLU Status Group as defined by the PLU in question.
- Press the **OPTION#4** tab and select **PRINT ON KP** option and change to **YES**
- Put a tick in the desired Product Printing group box. i.e. 1 BAR KP items, 2 FOOD KP items.

REG	REP	PGM	S	1 EMPLOYEE
PLU		GROUP	FUNCTION KEY	
SYSTEM OPTION		EMPLOYEE	REPORTS	
TIME		PRODUCT & INGREDIENT	TAXES	
MESSAGES		PRINTER & KV ROUTING	MIX & MATCH TABLE	
FILE MANAGEMENT		P-MODE PGM SCAN	SMART CARD OPTIONS	

PLU STATUS GROUP# 1 PROGRAMMING	
PLU STATUS GROUP#	1
DESCRIPTION	PLU STS 1
OPTION#1   OPTION#2   OPTION#3   OPTION#4   OPTION#5   OPTION#6	
25. PRINT ON KV?	NO
26. KITCHEN VIDEO GROUP #	00
27. COLOR TO DISPLAY ON KV (0-31)	00
28. PRINT ON KP?	NO
29. PRINT ON KP GROUP#	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9
30. PRINT RED ON KITCHEN PRINTER?	NO
31. PRINT RED ON RECEIPT?	NO
PAGE UP   PAGE DOWN   CLOSE	

REG	REP	PGM	S	1 EMPLOYEE
PLU		PLU ADD & CHANGE		FUNCTION KEY
SYSTEM OPTION		PLU DELETE		REPORTS
TIME		PLU STATUS GROUP		TAXES
MESSAGES		PLU STOCK		MIX & MATCH TABLE
FILE MANAGEMENT		PLU MINIMUM STOCK		SMART CARD OPTIONS
		NON-PLU CODE		
		MENU		
		CLOSE		

# Remote Order Printing

## Allocating Printer Group to a printer

Any printer which is defined in the system can then be allocated a PLU Printer group

- Select **PGM-MODE** then **PRINTER & KV ROUTING** then **KITCHEN PRINTER ROUTING** Period one is automatically selected
- Enter the number for the printer to be used, this is the number given to the printer in system printing configuration.
- Enter the PLU Printer groups that product will print. i.e. 1 BAR DRINKS, 2 BAR FOOD

REG	REP	PGM	S	1 EMPLOYEE
PLU		GROUP		FUNCTION KEY
SYSTEM OPTION		EMPLOYEE		REPORTS
TIME		PRODUCT & INGREDIENT		TAXES
MESSAGES		PRINTER & KV ROUTING		MIX & MATCH TABLE
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS

REG	REP	PGM	S	1 EMPLOYEE
PLU		PRINTER & KV ROUTING MENU		FUNCTION KEY
SYSTEM OPTION		SYSTEM PRINTER CONFIGURATION		REPORTS
TIME		KITCHEN VIDEO ROUTING		TAXES
MESSAGES		KITCHEN PRINTER ROUTING		MIX & MATCH TABLE
FILE MANAGEMENT		RECEIPT PRINTER ROUTING		SMART CARD OPTIONS
		DETAIL PRINTER ROUTING		
		CLOSE		

KITCHEN PRINTER ROUTING										
PERIOD#1										
PT#	DESCRIPTOR	KP#	KP#	KP#	KP#	KP#	KP#	KP#	KP#	KP#
02	KITCHEN	1	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
00		0	0	0	0	0	0	0	0	0
PAGE UP		PAGE DOWN				CLOSE				



# **SAM4S** Employee Sign on with MCR

---

- The SPS2000 supports a multiple track magnetic card reader.
- Card formats can be specified within the system set-up determining which aspect of the code is read from the card.
- It is possible to utilise the magnetic card for clerk sign on.
- The system allows clerk balance layaway using the magnetic card clerk function.

# Employee Sign on with MCR

## Enabling the Card Reader

- Select **PGM-MODE**, select **SYSTEM OPTIONS** then **GENERAL FUNCTION OPTIONS**
- Set the **EMPLOYEE SIGN-ON** option to **OPERATING CODE**.
- Set the **CARD READER ENABLE** option to **YES**

GENERAL FUNCTION OPTIONS						
PAGE #1	PAGE #2	PAGE #3	PAGE #4	PAGE #5	PAGE #6	PAGE #7
14. SILENT KEY DEPRESSION				NO		
15. ALLOW OPEN ENTRY FOR SCALE PLUS				NO		
16. DEACTIVATE VOID MODE				NO		
17. ALLOW PLU COPY BY RANGE				NO		
18. ALLOW POST TENDERING				NO		
19. EMPLOYEE: POP UP / STAY DOWN				STAY DOWN		
20. EMPLOYEE SIGN-ON				OPERATING CODE		
21. QTY LIMIT FOR X/TIME KEY				000.000		
22. ERROR BUZZER IS SPOT				YES		
23. GUEST CHECK BALANCE HALO(0=NO LIMIT)				0000000.00		
CLOSE						

GENERAL FUNCTION OPTIONS						
PAGE #1	PAGE #2	PAGE #3	PAGE #4	PAGE #5	PAGE #6	PAGE #7
44. ALLOW FLOATING CLERK				NO		
45. ALLOW CLERK CHANGE WITHOUT SIGN-OFF				NO		
46. SKIP IN NOT FOUND PLU REGISTRATION:						
GROUP LINK #1				NO		
DESCRIPTOR				NO		
47. RECEIPT STATUS ON OPERATOR DISPLAY				YES		
48. CARD READER ENABLE				YES		
49. ALLOW SALES FOR 0 STOCK ITEMS				YES		
50. DATE OF BIRTH ENTRY COMPULSORY				YES		
51. CHECK DIGIT IS SENT FROM BCR				YES		
CLOSE						

## Setting The Employee Card Format

- Select **PGM-MODE**, then **EMPLOYEE** and select **EMPLOYEE CARD**

EMPLOYEE CARD READ FORMAT	
1. READ	TRACK 2
2. CARD ID	0000000000
3. CHECK CARD ID?	NO
4. COLUMN OF CARD ID	
START	00
DIGIT	00
5. COLUMN OF NUMBER	
START	02
DIGIT	04
CLOSE	

### READ

Set to the Track (1 or 2) that you wish to read.

### CARD ID

If ID numbers are to be used, enter the ID number (up to 10 digits) from the magnetic cards that will be accepted. If ID numbers are not to be used, ignore this field.

### CHECK CARD ID?

Enter Y to use card ID numbers, or N if you do not wish to use card ID numbers.

### COLUMN OF CARD ID

Enter the number of the column that the Card ID starts.

### CARD ID DIGITS

Enter the number of digits to be read for the Card ID.

### COLUMN OF NUMBER

Enter the number of the column that the Card number starts.

### CARD NUMBER DIGITS

Enter the number of digits to be read for the Card number.

# Employee Sign on with MCR

## Assigning The Card

- Select **PGM-MODE**, then **EMPLOYEE** then select **EMPLOYEE** again.
- Select the **OPERATING CODE** option and either swipe the employee card through the reader or enter the employee operating code.

EMPLOYEE# 1 PROGRAMMING

EMPLOYEE # 1 NAME 1 EMPLOYEE

PAGE #1 PAGE #2

SOCIAL SEC # 1

CLOCK IN CODE 7 8 9 CLEAR 0000000001

OPERATING CODE 4 5 6 CLEAR 0000000001

LINK TO AUTHORITY 1 1

JOB CODE# 1 2 3 00 00

PAY RATE# 0 00 00 00

OPEN DRAWER# DIR OK CANCEL 1

PREV. RECORD NEXT RECORD CLOSE

- Select **PGM-MODE**, then **EMPLOYEE** and select **AUTHORITY LEVEL**
- Select the required authority level and set the **SIGN IN/OUT USING MCR** option to **YES**

AUTHORITY LEVEL PROGRAMMING

AUTHORITY LEVEL 1 DESCRIPTOR LEVEL 1

PAGE #1 PAGE #2 PAGE #3 PAGE #4 PAGE #5

9. ALLOW CANCEL AFTER RECALL YES

10. CLOCK IN/OUT USING MCR YES

11. SIGN IN/OUT USING MCR YES

12. ALLOW EDIT ANY CHECKS YES

13. ALLOW DESTINATION CHANGE YES

14. CAN COMBINE OWN SOFT CHKS NO

15. CAN COMBINE ANY SOFT CHKS YES

16. TABLE # TRANSFER IN R-MODE YES

PREV. RECORD NEXT RECORD CLOSE

# Employee Sign on with MCR

---

## Employee Time Keeping With MCR

If you wish to use Employee time keeping with the Magnetic card reader then ensure the following options are set:-

- Select **PGM-MODE**, then **SYSTEM OPTIONS**, **PAGE DOWN** and select **TIME KEEPING OPTIONS** and ensure **EMPLOYEE SIGN-IN/OUT** is set to **CLOCK IN CODE**
- Select **PGM-MODE** then **EMPLOYEE**, then **EMPLOYEE** again.
- Select the **CLOCK IN CODE** option and either swipe the employee card or enter the employee clock in code.
- Select a **JOB CODE** and a **PAY RATE** for the employee
- Select **PGM-MODE**, then **EMPLOYEE** and select **AUTHORITY LEVEL**
- Select the required authority level and set the **CLOCK IN/OUT USING MCR** option to **YES**
- In **REG** mode, press the **CLK IN/OUT** button to time in/out the clerk and swipe the employee card.
- Select the **JOB CODE** and press **OK**.

# SAM4S Receipt Graphics

---

- Graphical receipt header can be printed on the external printer
- Graphical images can be printed for each product status groups for voucher issuance etc.
- The images can be sent directly from the PC to the printer, alternatively sent via the PC to the register then to the printer, if they are to be changed regularly.



# Receipt Graphics

The bitmap images can be stored either in the printer or sent via the PC to the SPS-2000 and then to the printer. Used when the images are to change frequently and it is not possible to connect the printer to the PC each time for image downloading. The following section, assumes the images have been downloaded to the printer, using the correct printer utility.

## External Image Printing Receipt Header

Using the printer utility and the documents supplied, download the images to the printer

- Ensure within **S-MODE – DEFINE PORT** that printer is programmed to the port
- Ensure within **PGM-MODE – PRINTER & KV ROUTING** menu the receipt printer is programmed
- Within the **S-MODE – PRINTER DRIVER SELECTIONS** select the required printer type and select the **LOGO** option. The current setting should be changed to the appropriate printer control command found within the printer manual for example the SRP350 is 1c7xxx where xxx is image No.

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR				
MEMORY ALLOCATION				
KEY RELOCATION				
SYSTEM OPTIONS				
PRINTER DRIVER SELECTIONS				
DEFINE PORT				
S-MODE PROGRAM SCAN PRINTING				
PASSWORD				
LOAD DEFAULT MESSAGES				
CHECK UNLOCK				
CLERK UNLOCK				
SRAM BACKUP				
TABLE MANAGEMENT				
CARD MAINTENANCE				

PRINTER DRIVER SELECTIONS			
PRINTER TYPE		START	CANCEL
ELLIX 10	INITIALIZE	1B40	
ELLIX 20	COMPRESSED		
SAR SRP-270	RED/REV	1D4201	1D4200
SAR SRP-350	EXPANDED	1D2110	1D2100
CITIZEN 3551	BOLD	1B4501	1B4500
CITIZEN 810	UNDERLINE	1B2001	1B2000
CITIZEN 230	LONG FEED	1B54	
EPSON T88-2	FULL CUT	1D5600	
	PART. CUT	1D5601	
	STANDARD	1D2A	
	LOGO	1D3F	
PAGE UP PAGE DOWN			
CLOSE			

## External Image Printing PLU Images

The following section allows printing of a graphical image per product status group

- Using the printer utility and the documents supplied, download the images to the printer
- From the **PGM-MODE** menu select **PLU** then **PLU STATUS GROUP** and enter the image number in the **LINKED NV IMAGE #** section

REG	REP	PGM	S	1 EMPLOYEE
PLU				
PLU ADD & CHANGE				
FUNCTION KEY				
PLU DELETE				
REPORTS				
PLU STATUS GROUP				
PLU STOCK				
TAXES				
PLU MINIMUM STOCK				
MIX & MATCH TABLE				
NON-PLU CODE				
NLU				
SMART CARD OPTIONS				
CLOSE				

PLU STATUS GROUP# 1 PROGRAMMING		
PLU STATUS GROUP#	1	DESCRIPTOR
OPTION#1	OPTION#2	OPTION#3
40. COOKING ITEM#		PLU STS 1
41. LINKED NV IMAGE#		00
PAGE UP PAGE DOWN CLOSE		

# Receipt Graphics

- From the **PGM-MODE** menu select **PLU** then **PLU ADD & CHANGE**, select the required PLU and ensure that under the **OPTION#2** tab that **PRINT NV IMAGE** is set to **YES**

REG	REP	PGM	S	1 EMPLOYEE
PLU				
GROUP		FUNCTION KEY		
SYSTEM OPTION		EMPLOYEE		REPORTS
TIME		PRODUCT & INGREDIENT		TAXES
MESSAGES		PRINTER & KV ROUTING		MIX & MATCH TABLE
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS

REG	REP	PGM	S	1 EMPLOYEE
PLU				
PLU ADD & CHANGE				
PLU DELETE				
PLU STATUS GROUP				
PLU STOCK				
PLU MINIMUM STOCK				
MIN-PLU CODE				
MENU				
CLOSE				

SELECT PLU									
PLU1	PLU2	PLU3	PLU4	PLU5	KEY LIST1				
PLU6	PLU7	PLU8	PLU9	PLU10	PAGE UP PAGE DOWN				
PLU11	PLU12	PLU13	PLU14	PLU15	0				
PLU16	PLU17	PLU18	PLU19	PLU20	7	8	9		
PLU21	PLU22	PLU23	PLU24	PLU25	4	5	6		
PLU26	PLU27	PLU28	PLU29	PLU30	1	2	3		
PLU31	PLU32	PLU33	PLU34	PLU35	0	00	←		
PLU36	PLU37	PLU38	PLU39	DONE	OK				
					CLOSE				

PLU#00000000000000000002 PROGRAMMING		
PLU#	00000000000000000002	
OPTION#1	OPTION#2	PRICES
MISMATCH TABLE#	0	
PRINT NV IMAGE	YES	
INACTIVE	NO	
PRESET	YES	
ALLOW PRICE CHANGE	NO	
ALLOW PRESET/HALO OVERRIDE	YES	
FUNCTION LIST KEY LINK	000	
PAGE UP PAGE DOWN CLOSE		



# **SAM4S** Retail Barcode Scanning

---

- The option of scanning both EAN 8, EAN 13, UPC-E, UPC-A and Addendum barcodes
- The ability to combined hospitality and retail scanning systems in the same IRC (inter register communications) network
- Complete random access product file, creation and deletion, with expansion memory chips available for larger product files
- The ability to deal with price inclusive scaleable barcodes
- Various scanner types available for selection, including hand held, fixed unit, etc
- The system also incorporates all the regular retail features such as price inquiry, Not found product creation, price change, mix and match features etc.

# Retail Barcode Scanning

## Allocation Of The Scanner To A Port

- Select **S-MODE** then **DEFINE PORT**
- Press the **SERIAL PORT#** key and select the port from the list (this is the physical port the scanner is connected to).
- Press the button next to **DEVICE** and select **SCANNER**

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR				
MEMORY ALLOCATION				
KEY RELOCATION				
SYSTEM OPTIONS				
PRINTER DRIVER SELECTIONS				
DEFINE PORT				
S-MODE PROGRAM SCAN PRINTING				
PASSWORD				
LOAD DEFAULT MESSAGES				
CHECK UNLOCK				
CLERK UNLOCK				
SRAM BACKUP				
TABLE MANAGEMENT				
CARD MAINTENANCE				

DEFINE PORT PARAMETERS	
SERIAL PORT#1 DEVICE SELECTIONS	
PC DEVICE	
BA	DISABLE
DA	PRINTER
PE	VIDEO
FE	POLLING
BE	SCALE
LC	SCANNER
CL	
PI	PAGE UP PAGE DOWN
DE	OK CANCEL
	OK CANCEL

## Serial Port Settings

- Select **S-MODE** then select **DEFINE PORT**
- Enter the appropriate BAUD RATE, PARITY, DATA & STOP bit settings that match the settings found on the scanner setup sheet.

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR				
MEMORY ALLOCATION				
KEY RELOCATION				
SYSTEM OPTIONS				
PRINTER DRIVER SELECTIONS				
DEFINE PORT				
S-MODE PROGRAM SCAN PRINTING				
PASSWORD				
LOAD DEFAULT MESSAGES				
CHECK UNLOCK				
CLERK UNLOCK				
SRAM BACKUP				
TABLE MANAGEMENT				
CARD MAINTENANCE				

DEFINE PORT PARAMETERS			
PORT#	SERIAL PORT#1	BITMAP DOWNLOAD	
PORT DESCRIPTION		PORT1	
BAUD RATE	9600	PARITY	NONE
DATA BITS	8	STOP BITS	1
RETURNS	03	PRINT BITMAP	NO
FEED LINES BEFORE PRINTING	00	FEED LINES AFTER PRINTING	07
LOGO SIZE	NORMAL	LINES ON "HARD" SLIP	00
CUTTING AFTER PRINTING	YES		
DEVICE	SCANNER		
OK		CANCEL	

# **SAM4S** PLU Stock Control

---

- Current stock maintenance for saleable PLUs (Price Look Up) codes, real time update during maintenance and inquire giving a true figure for the stock holding of all terminals in the network.
- Mode lock and employee authority restriction for maintenance features, stock addition, subtraction and overwrite
- Wastage functions keys, to enable operator access to wastage of retail products within the register or manager modes.
- Current stock and minimum stock reorder analysis reports.
- The ability to included or exclude items by categories using the PLU status group programming
- Parent product links allowing integer or decimal subtraction of stock automatically from a master product such as a half pint stock subtracting from a pint.
- Detailed stock report by various reporting options both standalone and networked

# PLU Stock Control

## Allowing Plus To Use Stock Control

- Select **PGM-MODE** then **PLU** then **PLU STATUS GROUP**
- After selecting the correct group change the flag **STOCK PLU?** to **YES**

REG

REP

PGM

S

1 EMPLOYEE

PLU

SYSTEM OPTION

TIME

MESSAGES

FILE MANAGEMENT

PLU

PLU ADD & CHANGE

PLU DELETE

PLU STATUS GROUP

PLU STOCK

PLU MINIMUM STOCK

NON-PLU CODE

NLU

CLOSE

FUNCTION KEY

REPORTS

TAXES

MIX & MATCH TABLE

SMART CARD OPTIONS

PLU STATUS GROUP# 1 PROGRAMMING

PLU STATUS GROUP# 1

DESCRIPTOR

PLU STS 1

OPTION#1

OPTION#2

OPTION#3

OPTION#4

OPTION#5

OPTION#6

9. IS PLU HASH?

10. DOES PLU USE GALLONAGE?

11. IS PLU FOOD STAMP ELIGIBLE?

12. IS PLU MEMO?

13. IS PLU SCALEABLE?

14. AUTO SCALE ON THIS PLU?

15. AUTO TARE# (0-20)

16. STOCK PLU?

PAGE UP

PAGE DOWN

CLOSE

## Entering The Minimum Stock Value

- Select **PGM-MODE** then **PLU** then **PLU MINIMUM STOCK**
- Select the required **PLU** from the list.
- Following the on screen prompt select the required item.
- Enter the appropriate minimum stock figure in units.

REG

REP

PGM

S

1 EMPLOYEE

PLU

SYSTEM OPTION

TIME

MESSAGES

FILE MANAGEMENT

PLU

PLU ADD & CHANGE

PLU DELETE

PLU STATUS GROUP

PLU STOCK

PLU MINIMUM STOCK

NON-PLU CODE

NLU

CLOSE

FUNCTION KEY

REPORTS

TAXES

MIX & MATCH TABLE

SMART CARD OPTIONS

PLU#000000000000000002 MIN. STOCK PGM

PLU#

DESCRIPTOR

MINIMUM STOCK

000000000000000002

BOTTLED BEER

10.00

PAGE UP

PAGE DOWN

CLOSE

# PLU Stock Control

## Stock Entry

- Select **PGM-MODE** then **PLU** then **PLU STOCK**, select the desired option to allow addition, subtract and overwrite of stock quantities.
- It should be noted within PLU programming it is possible to link two products together to deduct from one stock quantity, please refer to the programming manual.

REG	REP	PGM	S	1 EMPLOYEE	
PLU	PLU		FUNCTION KEY		
	PLU ADD & CHANGE				
SYSTEM OPTION	PLU DELETE		REPORTS		
	PLU STATUS GROUP				
TIME	PLU STOCK		TAXES		
	PLU MINIMUM STOCK				
MESSAGES	NON-PLU CODE		MIX & MATCH TABLE		
	NLU				
FILE MANAGEMENT	CLOSE		SMART CARD OPTIONS		

REG	REP	PGM	S	1 EMPLOYEE	
PLU	PLU		FUNCTION KEY		
	PLU STOCK				
SYSTEM OPTION	ADD		REPORTS		
	OVERRIDE				
TIME	SUBTRACT		TAXES		
	CLOSE				
MESSAGES	NON-PLU CODE		MIX & MATCH TABLE		
	NLU				
FILE MANAGEMENT	CLOSE		SMART CARD OPTIONS		





# SAM4S Ingredient Inventory

- The ability to store 999 Independent ingredients for recipe inventory analysis in addition to the normal PLU stock control feature.
- Ingredients allocated to a recipe to provide an accurate stock usage analysis
- Recipes allocated to PLU saleable products for menu explosion of inventory usage.
- Sub nesting of recipes, for true recipe management.
- Manager Controlled inventories input of receipts, transfers, wastage etc for ingredient lines.
- Detailed or abbreviated inventory reporting analysis of usage
- Comprehensive food costing report analysis

INVENTORY REPORT		
X1 REPORT	X1 0003	X2
0001		
CONSOLIDATED 01-02		
INV #002 BURGER		
BEGINING INVENTORY		1000.00
RECEIPTS		100.00
TRANSFER INS		25.00
TRANSFER OUTS		10.00
RAW WASTE		-5.00
THEORETICAL USAGE		110.00
SHELF COUNT		1000.00
ACTUAL USEAGE		112.00
ENDING INVENTORY		998.00
VALUE OF INVENTORY		2245.50
VARIANCE +/-		-2.00
VARIANCE COST		-4.50
-----		
NET SALE		1376.15
FOOD COST		312.00
VALUE OF INVENTORY		2245.50
VARIANCE COST		-4.50
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

FOOD COST REPORT		
X1 REPORT		
0003		
BURGER	PRICE \$	1.95
PLU# 01234567890123456		
USAGE COUNT		28
ITEM COST		1.200
USAGE COST		33.60
SALES COUNT		28
NET SALES		54.60
-----		
STEAK	PRICE	11.95
PLU#01234567890123456		
USAGE COUNT		105
ITEM FOOD COST		2.250
USAGE COST		236.25
SALES COUNT		105
NET SALES		1254.75
-----		
TOTAL FOOD COST		269.85
TOTAL SALES COUNT		133
NET SALES TOTAL		1309.35
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# Ingredient Inventory

It is possible to program a list of ingredients, which can then be linked to create a recipe. This recipe is then allocated to a PLU number ensuring that when the PLU is sold, the stock is deducted from the ingredients

For example **PLU 1**                      **SIRLOIN STEAK**                      is linked to recipe number 10

## RECIPE 10    Is the whole meal including

- 1 x Portion of Potatoes
- 1 x Portion of Carrots
- 1 x 8oz Steak
- 1 x Side Salad - This is also a recipe number 9, comprising of lettuce etc.

When PLU 1 SIRLOIN STEAK is sold the sales quantities and values are registered as normal. Then the stock is reduced through Recipe 10 to each of the meal ingredients, then through Recipe 9 to the side salad ingredients.

## Memory Allocation

This must be set as part of the system initial program and cannot be changed without resetting to defaults

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION**

**# OF RECIPE**                                      This is the number of recipes that can be created

**# INVENTORY INGREDIENT**                      This is the number of ingredients available to be allocated to recipes

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST		MEMORY CLEAR		MEMORY ALLOCATION
KEY RELOCATION		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		CARD MAINTENANCE

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS			3085820 BYTES		
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
15. # OF PRODUCT MIX TIME PERIOD (24/48/96)			24		
16. PROJECTIONS			YES		
17. # OF RECIPE			005		
18. # OF INVENTORY INGREDIENT			003		
19. # OF LINES FOR ELECTRIC JOURNAL			00100		
20. # OF PAID RECALL TRANSACTIONS			03		
21. CLERK INTERRUPT			YES		
OK			CANCEL		

## Recipe Set-Up

- Select **PGM-MODE** then **PRODUCT & INGREDIENT** then **EDIT INGREDIENT**
- For edit ingredients, enter the description of each ingredient and the cost price of the lowest usable unit. I.e. If melons are served halved it is the cost per half of melon.
- Once the ingredients have been entered press **CLOSE** to go back to the sub menu and select **RECIPE TABLE** and link all the ingredients to a recipe
- Ensure the recipe number is linked to the PLU within the **PGM-MODE** option

REG	REP	PGM	S	1 EMPLOYEE
PLU	GROUP	FUNCTION KEY		
SYSTEM OPTION	EMPLOYEE	REPORTS		
TIME	PRODUCT & INGREDIENT	TAXES		
MESSAGES	PRINTER & KV ROUTING	MIX & MATCH TABLE		
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS		

REG	REP	PGM	S	1 EMPLOYEE
PLU	GROUP	FUNCTION KEY		
SYSTEM OPTION	<b>PRODUCT &amp; INGREDIENT</b> ROOT INGREDIENT RECIPE TABLE PRODUCT MIX ITEMS PRODUCT MIX GROUP TIME PERIODS CLOSE			REPORTS
TAXES				TAXES
MESSAGES				MIX & MATCH TABLE
FILE MANAGEMENT	P-HIDE PGM SCREEN			SHIFT CARD OPTIONS

INGREDIENT PROGRAMMING		
INGREDIENT#	DESCRIPTOR	COST
001	BURGER	000.120
002	BREAD BUN	000.060
003	RELISH PACK	000.010

PAGE UP

PAGE DOWN

CLOSE

RECIPE# 1 PROGRAMMING				
RECIPE#	1	DESCRIPTOR	BURGER	
	ING/RECIPE	#	DESCRIPTOR	QTY
01	INGRED DENT	1	BURGER	00.001
02	INGRED DENT	2	BREAD Bun	00.001
03	INGRED DENT	0		00.000
04	INGRED DENT	0		00.000
05	INGRED DENT	0		00.000
06	INGRED DENT	0		00.000
07	INGRED DENT	0		00.000
08	INGRED DENT	0		00.000
09	INGRED DENT	0		00.000
10	INGRED DENT	0		00.000

PAGE UP

PAGE DOWN

CLOSE



# SAM4S Product Usage Analysis

- This will provide a usage report showing how many unit have been used from a case for each product linked to the group.
- I.e. How many pints used per gallon, How many burgers used from a box?
- Automatically updated by the system as sales are made no need for manual entries
- Hourly / ½ Hourly / 15 Minute unit usage analysis
- Option of abbreviated or detailed reporting for usage analysis,

## Product Mix

PRODUCT MIX REPORT			
X1 REPORT		X1 0003	X2 0001
<u>PRODUCT/TIME</u>	<u>UNIT#PC</u>	<u>COUNT</u>	<u>TOTAL</u>
BOTTLE BECKS	(CASE)		
00:00-05:59	0001#084	204	222.36
00:00-15:59	0001#084	204	222.36
00:00-23:59	0001#084	204	222.36
TOTAL	0005#012	612	667.08
EMPLOYEE:	DEBI BARTON		#01
TIME 09:03			NO.000000

# Product Usage Analysis

Product mix groups can be used to program each product with a piece count usage of a case, with the product group defining how many units are in each outer. This will then provide reporting on how many units and case have been used per group and per time period.

## Memory Allocation

This must be set as part of the system initial program and cannot be changed without resetting to defaults. Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION**

- # OF PRODUCT MIX GROUPS
- This is the number of groups available for items to be linked to
- # OF PRODUCT MIX TIME PRD
- This is how the groups will be reported, hour, ½ hour, or 15 mins

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST		MEMORY CLEAR		MEMORY ALLOCATION
KEY RELOCATION		SYSTEM OPTIONS		PRINTER DRIVER SELECTIONS
DEFINE PORT		S-MODE PROGRAM SCAN PRINTING		PASSWORD
LOAD DEFAULT MESSAGES		CHECK UNLOCK		CLERK UNLOCK
SRAM BACKUP		TABLE MANAGEMENT		CARD MAINTENANCE

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3385820 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
9. # OF TRACKING FILES (0-4)				4	
10. # OF LINES PER TRANSACTION				200	
11. # OF LINES PER CHECK/INTERRUPT				030	
12. MAXIMUM # OF CHECKS					
TRACK 1		00010	TRACK 2		00010
TRACK 3		00010	TRACK 4		00010
13. # OF TIME PERIOD (24/48/96)				24	
14. # OF PRODUCT MIX GROUPS				005	
OK			CANCEL		

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3385820 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
15. # OF PRODUCT MIX TIME PERIOD (24/48/96)				24	
16. PROJECTIONS				YES	
17. # OF RECIPE				005	
18. # OF INVENTORY INGREDIENT				003	
19. # OF LINES FOR ELECTRIC JOURNAL				00100	
20. # OF PAID RECALL TRANSACTIONS				03	
21. CLERK INTERRUPT				YES	
OK			CANCEL		

# Product Usage Analysis

## Product Mix Creation

- Select **PGM-MODE** then **PRODUCT & INGREDIENT** followed by **PRODUCT MIX ITEMS**

ITEM#	This is a sequential product mix group number
DESCRIPTOR	The description of the item to be tracked i.e. beef burgers or bottles of becks
PCS/UNITS	This is the number of items in a case i.e. 12 burgers or 24 bottles
UNIT DESC	This is the description of the case i.e. 12 Burgers are a DZEN or CASE

REG	REP	PGM	S	1 EMPLOYEE
PLU	GROUP	FUNCTION KEY		
PRODUCT & INGREDIENT				
SYSTEM OPTION	EDIT INGREDIENT		REPORTS	
TIME	RECIPE TABLE		TAXES	
MESSAGES	PRODUCT MIX ITEMS		MIX & MATCH TABLE	
	PRODUCT MIX GROUP TIME PERIODS			
	CLOSE			
FILE MANAGEMENT	P-MODE PGM SCAN		SMART CARD OPTIONS	

PRODUCT MIX ITEM PROGRAMMING			
ITEM#	DESCRIPTOR	PCS/UNIT	UNIT DESC
001	BRANDY	032	
002	TETLEY DRUG	016	1/25
003		000	
004		000	
005		000	
CLOSE			

- Select **PGM-MODE** then **PLU** then **PLU ADD & CHANGE**. Ensure the PLU is linked to the **PRODUCT MIX GROUP**

REG	REP	PGM	S	1 EMPLOYEE
PLU	PLU			FUNCTION KEY
SYSTEM OPTION	PLU ADD & CHANGE		REPORTS	
TIME	PLU DELETE		TAXES	
MESSAGES	PLU STATUS GROUP		MIX & MATCH TABLE	
FILE MANAGEMENT	PLU STOCK		SMART CARD OPTIONS	
	PLU MINIMUM STOCK			
	NON-PLU CODE			
	NLU			
	CLOSE			

PLU#000000000000000001 PROGRAMMING		
PLU#	000000000000000001	
OPTION#1	OPTION#2	PRICES
DESCRIPTOR	PLU1	
STOCK LINK PLU #	000000000000000000	
MODIFIER QTY	00.00	
GROUP LINK #1	01	
PLU STATUS GROUP LINK#	01	
PIECE COUNT	000	
PRODUCT MIX#	0	
RECIPE#	0	
PAGE UP	PAGE DOWN	CLOSE





- Complete flexibility in determining exactly what is saved to the electronic journal. Information that may or may not be saved are :-
  - Cash finalised transactions
  - Cheque finalised transactions
  - Miscellaneous tender finalised transactions
  - Transactions with discount, premium operations
  - Received on account and Paid out transactions
  - Return Merchandise transactions
  - Transactions with error correct and void sales
  - No Sale Transactions
  - Cancelled Transactions
  - Transactions with negative items
  - Reports printed
  - Program Read
  - Check tracking sales
  - Clerk Interrupt sales
  
- Complete analysis for reporting purposes any combination of the following can be printed
  - Cash finalised transactions
  - Cheque finalised transactions
  - Miscellaneous tender finalised transactions
  - Transactions with discount, premium operations
  - Received on account and Paid out transactions
  - Return Merchandise transactions
  - Transactions with error correct and void sales
  - No Sale Transactions
  - Cancelled Transactions
  - Transactions with negative items
  - Reports printed
  - Program Read
  - Check tracking sales
  - Clerk Interrupt sales
  
- Optional display of Journal full warning
  
- Optional Wrap round journal maintenance, i.e. when the maximum storage is reach the oldest data will be overwritten

# Electronic Journal

There is a greater degree of flexibility with the information that can be stored and retrieved from the electronic journal. *This can be used to CUSTOMISE your reporting.*

## Memory Allocation

This must be set as part of the system initial program and cannot be changed without resetting the defaults

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION**

**# OF LINES FOR  
ELECTRONIC JOURNAL**

This is the number of lines that can be stored. One line printed on a conventional journal is the equivalent of one line stored

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST				
MEMORY CLEAR				
MEMORY ALLOCATION				
KEY RELOCATION				
SYSTEM OPTIONS				
PRINTER DRIVER SELECTIONS				
DEFINE PORT				
S-MODE PROGRAM SCAN PRINTING				
PASSWORD				
LOAD DEFAULT MESSAGES				
CHECK UNLOCK				
CLERK UNLOCK				
SRAM BACKUP				
TABLE MANAGEMENT				
CARD MAINTENANCE				

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS 3385820 BYTES					
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
15. # OF PRODUCT MIX TIME PERIOD (24/48/96)	24				
16. PROJECTIONS	YES				
17. # OF RECIPE	005				
18. # OF INVENTORY INGREDIENT	003				
19. # OF LINES FOR ELECTRIC JOURNAL	00100				
20. # OF PAID RECALL TRANSACTIONS	00				
21. CLERK INTERRUPT	YES				
OK					
CANCEL					

## System Options

- Select **PGM-MODE** then **SYSTEM OPTION** and **PAGE DOWN** to **E.J. & DETAIL PRINTING OPTIONS**
- Ensure all the required options are set to **YES**
- Sales will now be stored in the electronic journal available for X and Z reporting.

REG	REP	PGM	S	1 EMPLOYEE
SYSTEM OPTION PROGRAMMING				
VALIDATION / SUBTOTAL PRT OPTIONS				
GENERAL PRINTING OPTIONS				
REPORT PRINTING OPTIONS				
REPORT OPTIONS				
TIME KEEPING OPTIONS				
E.J. & DETAIL PRINTING OPTIONS				
PAGE UP				
PAGE DOWN				
CLOSE				

E.J. & DETAIL PRINTING OPTIONS		
OPTION#1	OPTION#2	OPTION#3
1. ACTIVATE ELECTRONIC JOURNAL?	YES	
2. DISPLAY E.J. BUFFER FULL WARNING?	NO	
3. E.J. OVERRIDE WHEN BUFFER FULL?	YES	
4. SEND TO ELECTRONIC JOURNAL:		
CASH TRANSACTIONS	YES	
CHEQUE TRANSACTIONS	YES	
MISC TENDER TRANSACTIONS	YES	
TRANSACTIONS WITH %	NO	
REC'D ACCT & PAID OUT	NO	
RETURN TRANSACTIONS	NO	
CLOSE		

# **SAM4S** Groups by Employee

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- The system allows reporting of group sales analysis per employee for up to 30 groups
- Each employee can be programmed with a different set of 30 groups
- The copy program option allows quick transfer of the same groups from one employee to another.

# Groups by Employee

It is possible to link sales groups to individual employees for reporting purposes up to 30 groups can be allocated for each individual employee.

## Memory Allocation

This must be set as part of the system initial program and cannot be changed without resetting to defaults

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION**

**USE GROUP BY EMPLOYEE** – This allows allocation of groups per employee for sales reporting

**MEMORY ALLOCATION PROGRAMMING**

REMAINING MEMORY IS 3085820 BYTES

OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
1. # OF PLU					
2. # OF PLU STATUS GROUPS					
3. # OF PRICE LEVELS PER PLU (1-5)					
4. PLU REPORT BY PRICE LEVEL					
5. # OF EMPLOYEES					
6. # OF TIME ENTRIES PER EMPLOYEE					
7. USE GROUP BY EMPLOYEE					
8. CHECK TRACKING METHOD					

OK CANCEL

REG REP PGM S 1 EMPLOYEE

SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION
KEY RELOCATION	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS
DEFINE PORT	S-MODE PROGRAM SCAN PRINTING	PASSWORD
LOAD DEFAULT MESSAGES	CHECK UNLOCK	CLERK UNLOCK
SPAN BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE

## Program Employee Groups

- Select **PGM-MODE** then **EMPLOYEE** then **GROUPS BY EMPLOYEE**

**EMPLOYEE** This is the employee number these groups total to for reporting  
**GROUP#** Entered here is any one of the 99 group numbers to be linked  
**DESCRIPTOR** Displayed here is the name of the group selected

It is possible to enter a different selection of groups for employee 2 alternatively copy program can be used to make the settings identical.

REG REP PGM S 1 EMPLOYEE

PLU	GROUP	FUNCTION KEY
SYSTEM OPTION	EMPLOYEE	REPORTS
TIME	AUTHORITY LEVEL	TAXES
MESSAGES	GROUPS BY EMPLOYEE	MIX & MATCH TABLE
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS

**GROUPS BY EMPLOYEE# 1 PROGRAMMING**

GROUPS BY EMPLOYEE# 1

#	GROUP#	DESCRIPTOR
01	01	DRAUGHT BEER
02	02	BOTTLED BEER
03	03	RED WINE
04	00	
05	00	
06	00	
07	00	
08	00	
09	00	

# **SAM4S** Program Backup and Restore

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- It is possible using the SD flash card to backup and restore the full terminal program
- The SD card can also be used to save reports, which can then be viewed via the PC
- Graphical images used within the screen designer can also be backedup

# SAM4S Program Backup & Restore

It is possible to backup and restore an SPS-2000 program to a removable SD flash card for future use. It is also possible to save terminal reports to the SD card. The report is saved in a separate folder named with the current date and time.

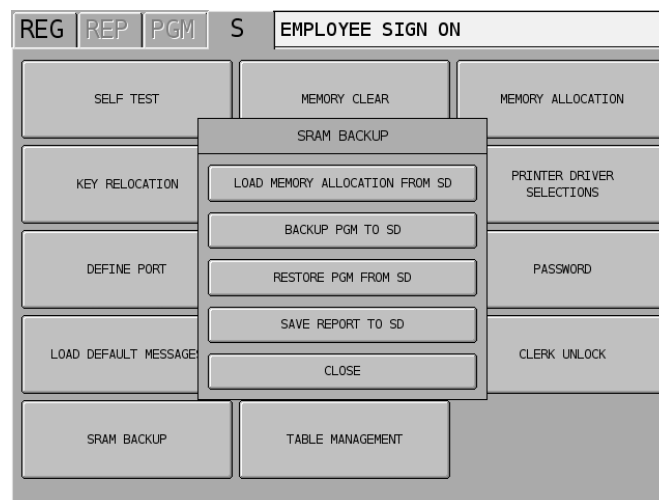
## Backing Up The Program To The SD Card

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**CAUTION:** WHEN BACKING UP AND RESTORING DATA ENSURE THE IRC SETTINGS ARE SET FROM REGISTER 1 TO REGISTER 1

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- Select **S** mode, **SRAM BACKUP** then select **BACKUP PGM TO SD**
- When prompted select **YES**
- The terminal will beep when the operation is complete



## Restoring The Program From The SD Card

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**CAUTION:** IF THE MEMORY ALLOCATION IS DIFFERENT FROM THE PROGRAM SAVED ON THE SD CARD THE DATA MAY NOT BE RESTORED. IN ORDER TO LOAD THE PROGRAM CORRECTLY MAKE SURE THE MEMORY ALLOCATION IS LOADED FROM THE SD CARD

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- Select **S** mode, **SRAM BACKUP** and select **LOAD MEMORY ALLOCATION FROM SD**
- When prompted select **YES**
- Then select **RESTORE PGM FROM SD**
- When prompted select **YES**
- The terminal will beep when the operation is complete

## Saving Reports To The SD Card

- Select **S** mode, **SRAM BACKUP** and select **SAVE REPORT TO SD**
- When prompted select **YES**
- The terminal will beep when the operation is complete.
- It is possible to save individual reports by pressing **SAVE** when the report is on screen

CE