

SAM4S

SER 7000 / 7040

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.

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SAM4S IRC-COMMUNICATIONS

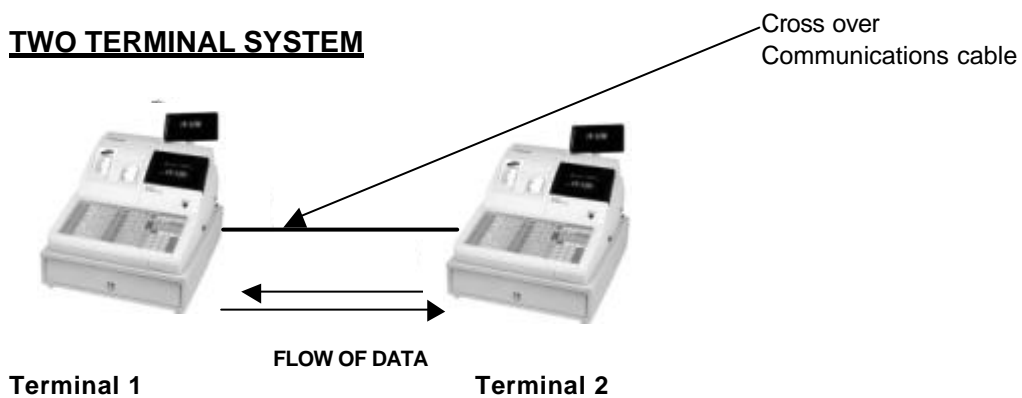
- *Real time check tracking detail transfer, as any check is updated the information is available on all terminals within the system*
- *Real time employee sale interruption, allowing operators to float around the system, opening, closing, and adding to a sale on any terminal.*
- *Network management 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

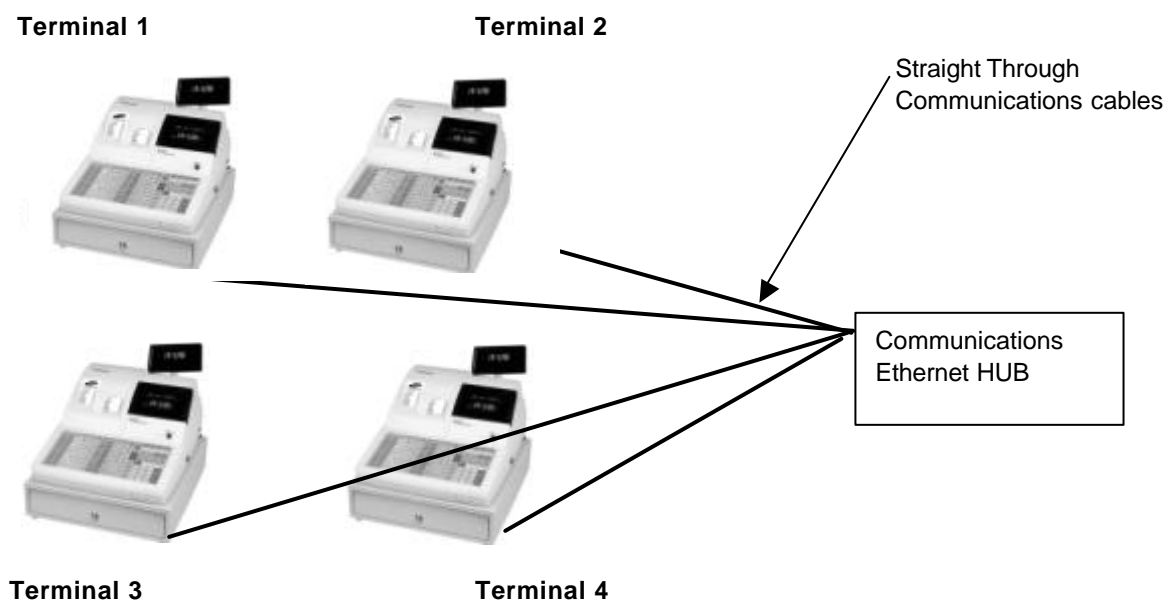
The information is transmitted real time, for example if a PLU is created on one terminal the information is automatically transmitted to all machines within the network. The real time principal is also applied to check details and employee interrupt sale data. This information is held in one terminal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

The SER 7000 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# - 1st Register Number

IRC TO REGISTER# -last Register Number

REG HOLD TIME IN/OUT – The register storing the wages time clock system

HOLDS CHECK TRACKING DATA 1 to 4 –The register which stores balances

HOLDS CLERK INTERRUPT - The register which stores the central clerk data

S-MODE PROGRAM MENU

1. SELF TESTS
 2. MEMORY CLEAR
 3. MEMORY ALLOCATION
 4. KEYBOARD KEY LOCATION
 5. **SYSTEM OPTIONS**
 6. PRINTER DRIVER SELECTION
- ▼ ENTER PAGE UP/DN - ↑ ↓ ®

S-MODE SYSTEM OPTIONS

1. REGISTER # (01 – 32) 01
 2. STORE # 000000
 3. **IRC FROM REGISTER #** 01
 4. **IRC TO REGISTER #** 01
 5. IRC #OF RETRIES 00
 6. PRN/DSP DECIMAL POSITION 2
- ▼ ENTER PAGE UP/DN - ↑ ↓ ®

S-MODE SYSTEM OPTIONS

7. PASSWORD(0000=NONE) : X = 0000
Z1= 0000
Z2= 0000
Z3= 0000
Z4= 0000
Z5= 0000
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S-MODE SYSTEM OPTIONS

8. **REG HOLDS TIME IN/OUT DATA** 01
 9. **REG# HOLDS CHECK TRACKING DATA**
CHECK#1 01
CHECK#2 01
CHECK#3 01
CHECK#4 01
- ▼ ENTER PAGE UP/DN - ↑ ↓ ®

S-MODE SYSTEM OPTIONS

10. **REG# HOLDS BACKUP TRACKING DATA**
CHECK#1 02
CHECK#2 02
CHECK#3 02
CHECK#4 02
 11. **REG# HOLDS KP GLOBAL ORDER** 01
- ▼ ENTER PAGE UP/DN - ↑ ↓ ®

S-MODE SYSTEM OPTIONS

12. **REG# HOLDS CLERK INTERRUPT** 01
 13. SEND PLU DESC. WHEN POLLED N
 14. ROM FILE DOWNLOAD PASSWD 9999
(0000=NO PASSWORD)
 15. SHOW PRINTER ERR WHEN POLL N
- ▼ ENTER PAGE UP/DN - ↑ ↓ ®

SAM4S CLERK INTERRUPT

- *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 sale lines that can be stored per employee is set within the memory allocation under the header # LINES PER CHECK#

Select **P-MODE** Then SYSTEM OPTIONS then GENERAL FUNCTIONS

Ensure **ALLOW CLERK INTERRUPT** is set to **Y** This allows user to layaway a sale without finalising

If sharing across an IRC network ensure **ALLOW FLOATING CLERK INTERRUPT** is set to **Y**
This allows users to operate a sale on more than one machine

P-MODE PROGRAMMING MENU	
1.	PLU
2.	PLU STATUS GROUP
3.	GROUP
4.	FUNCTION MENU
5.	SYSTEM OPTION
▼	ENTER PAGE UP/DN - ↵ ®

SYSTEM OPTION PROGRAM	
1.	GENERAL FUNCTIONS OPTIONS
2.	TAX OPTIONS
3.	CASH DRAWER OPTIONS
4.	TRAINING MODE OPTIONS
5.	LEVEL/MODIFIER OPTIONS
▼	ENTER PAGE UP/DN - ↵ ®

GENERAL FUNCTION OPTIONS	
▼	
41.	ALLOW PRESS CODE PLU N
42.	MULTIPLE MULTIPLICATION? N
43.	ALLOW TAX SHIFT BY ANALYSIS 2 N
44.	TAX SHIFT ITEM POP UP
45.	BASE CURRENCY LOCAL CURRENCY
46.	ALLOW CLERK INTERRUPT Y
▼	ENTER PAGE UP/DN - ↵ ®

GENERAL FUNCTION OPTIONS	
47.	ALLOW FLOATING CLERK Y
48.	CLERK CHANGE W/OUT SIGN-OFF Y
49.	GELDKARTE LOGIN PASSWD 000000
50.	SKIP IN NOT FOUND PLU :
	GROUP LINK #1 N
	DESCRIPTOR N
▼	ENTER PAGE UP/DN - ↵ ®

SAM4S CHECK TRACKING SYSTEM

- *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 per transaction 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 same 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.*
- *The ability to print relevant text messages on receipts and bills is available*

CHECK TRACKING SYSTEM

MEMORY ALLOCATION

The memory is set as part of the initial start up procedure and can not be changed once entered.

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 DISPLAY**

CHECK TRACKING METHOD – This should be set to SOFT for detail tracking
CHECK TRACKING FILES 0-4 – This options 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
HOLDS CLERK INTERRUPT - The register which stores the central clerk data

S-MODE PROGRAM MENU

1. SELF TESTS
 2. MEMORY CLEAR
 3. **MEMORY ALLOCATION DISPLAY**
 4. KEYBOARD KEY LOCATION
 5. SYSTEM OPTIONS
 6. PRINTER DRIVER SELECTION
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MEMORY ALLOCATION PROGRAMMING

6. # OF TIME I/O ENTRIES PER EMPLOYEE 24
7. USE GROUP BY EMPLOYEE Y
8. **CHECK TRACKING METHOD** SOFT
9. **# OF TRACKING FILES (0-4)** 2
10. # OF LINES PER TRANS. 035
REMAINING MEMORY 1049924BYTES
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MEMORY ALLOCATION PROGRAMMING

11. # OF LINES PER CHECK 0030
12. **MAXIMUM # OF CHECKS**
TRACK 1 00010
TRACK 2 00010
TRACK 3 00010
REMAINING MEMORY 1049924BYTES
▼ ENTER PAGE UP/DN - ↑ ↓ ®

CHECK TRACKING SYSTEM

KEYBOARD ALLOCATION

- Select **S-MODE** then **KEYBOARD RELOCATION** followed by **FUNCTION KEYS**
- Press the **KEY** to program
- Use **PAGEUP/PAGEDOWN** to find the key code
- Type in the function code and press **ENTER** the function setting will be displayed press **CL/ESC**
- Repeat for further keys if required
- Press **CL/ESC** & press **Y ENTER** to exit.
- Press **Y** then **ENTER** to save .
- Press **CL/ESC** press **Y** then **ENTER**

S-MODE PROGRAMMING MENU

1. SELF TESTS
2. MEMORY CLEAR
3. MEMORY ALLOCATION
4. **KEYBOARD KEY LOCATION**
5. SYSTEM OPTIONS
6. PRINTER DRIVER SELECTION

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KEYBOARD KEY RELOCATION

1. PLU KEYS
2. WLU KEYS
3. FUNCTION KEYS

1. **KBD LEVEL 1**
2. KBD LEVEL 2
3. KBD LEVEL 3
4. KBD LEVEL 4
5. KBD LEVEL 5

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FUNCTION KEY RELOCATION PROGRAL1
KEYBOARD LEVEL 1

- PRESS ANY KEY TO READ AND/OR CHANGE CURRENT ASSIGNMENT
- PRESS ESC TO EXIT

FUNCTION KEY RELOCATION PGM L1
KBD LEVEL: 1 KEYPOSITION: 13
CURRENT ASSIGNM :13 ADD CHECK

1 – NUMERIC 1	2 – NUMERIC 2
3 – NUMERIC 3	4 – NUMERIC 4

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 can be printed on an external printer, alternatively on the internal receipt printer. The settings below show how to program an external printer. If you wish to issue a bill using the internal receipt number the Print Check function should be programmed to printer 41 as shown in the print check programming section.

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 **SERIAL PORT DEVICE SELECTIONS**
- Press **ENTER** on the **PORT#** number (this is the physical port the printer is connected to).
- Cursor Down then press **ENTER** on **PRINTER**
- Cursor Down and then press **ENTER** on the correct printer model.

S-MODE PROGRAMMING MENU	
7.	SERIAL PORT DEVICE SELECTIONS
8.	DEFINE SERIAL PORT PARAMETERS
9.	S-MODE PROGRAM SCAN PRINTING
10.	SYSTEM PASSWORD
11.	SUPER MACRO SCAN
12.	ROM FILE DOWNLOAD
▼	ENTER PAGE UP/DN - $\overline{\rightarrow}$ ®

SERIAL PORT DEVICE SELECTIONS L1		
PORT	DEVICE	PRINTER TYPES
PORT#1	DISABLE	SAM SRP-100
PORT#2	PRINTER	SAM SRP-270
PORT#3	VIDEO	SAM SRP-350
PORT#4	POLLING	CTZEN 3551
PORT#5	SCAL F	CITIZEN 810
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SERIAL PORT DEVICE SELECTIONS		
PORT	DEVICE	
PORT 1	PRINTER	SAM SRP300
PORT 2		
PORT 3		
PORT 4		
▼ ENTER PAGE UP/DN - $\overline{\rightarrow}$ ®		

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

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

P-MODE PROGRAMMING MENU

7. MESSAGES
 8. WINDOW LOOK UP (WLU)
 9. TIME PERIOD
 10. EMPLOYEE
 11. AUTHORITY LEVEL
 12. PRINTER TABLES & KV ROUTING
- ▼ ENTER PAGE UP/DN - ↵ ®

PRINTERS & KV ROUTING

1. SYSTEM PRINTING CONFIGURATION
2. KITCHEN VIDEO ROUTING
3. KITCHEN PRINTER ROUTING
4. RECEIPT PRINTER ROUTING
5. DETAIL PRINTER ROUTING

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SYSTEM PRINTER CONFIGURATION

P DESCR	MAIN	BACKUP
	RG#-P#	RG#-P#
#1 RECEIPT TILL 1	01-2	02-2
#2 DETAIL TILL 1	01-1	02-1
#3 RECIEPT TILL 2	02-2	01-2
#4 DETAIL TILL 2	02-1	01-1

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PROGRAMMING THE PRINT CHECK KEY

The bill can be printed to the internal receipt (printer 41) or alternatively to any one of the 40 external printers.

- Select **P-MODE** then **FUNCTION MENU**
- Following the display message press the **PRINT CHECK** key
- Enter the printer # to be used is this the printer number from the system printer configuration list i.e. 01 for RECEIPT TILL 1. The internal receipt number is printer 41.
- Press **ENTER** then **ESC/CL** to quit and save

P-MODE PROGRAMMING MENU

1. PLU
2. PLU STATUS GROUP
3. GROUP
4. FUNCTION MENU
5. SYSTEM OPTION
6. TAXES

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FUNCTION KEY #214 PROGRAMMING

DEFAULT DESC PRINT CHECK
 DESCRIPTOR PRINT CHECK
PRINT CHECK ON PRINTER (0-40) 2
 PRINT CHK AUTOMATICALLY SERVC CHK Y
 PRINT CHECK ON RECEIPT N
 PRINT CONSEC# ON GUEST CHECK Y

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SAM4S REMOTE ORDER PRINTING

- *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 printing, 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, or printer 41 the internal receipt printer

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

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

PRINTER	DESCRIPTION	1	2	3	4	5	6	7	8	9
#1 BAR PRINTER		1								
#2 KITCHEN PRINTER		2								
#3 BAR & RESTAURANT WINE		1	2							

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 using the auto grill feature, 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 when the next item is registered 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 by 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

PRINTER 3

REGISTER 2 - RESTAURANT



PHYSICALLY CONNECTED	
1	BAR PRINTER REG 1 - PORT 1
2	FOOD PRINTER REG 2 - PORT 1
4	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 1st – 9th Print groups can have the print groups entered in any order up to 9 of them i.e. the 1st, 2nd etc..

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

	1 st PRINT GROUP	2 nd PRINT GROUP	3 rd PRINT GROUP	4 th PRINT GROUP	5 th PRINT GROUP	6 th PRINT GROUP	7 th PRINT GROUP	8 th PRINT GROUP	9 th PRINT GROUP
BAR PRINTER	3	2	1	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 st PRINT GROUP	2 nd PRINT GROUP	3 rd PRINT GROUP	4 th PRINT GROUP	5 th PRINT GROUP	6 th PRINT GROUP	7 th PRINT GROUP	8 th PRINT GROUP	9 th 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 seven physical printers to one terminal and nine printers per product through an inter register communications network, of up to 40 printers. The system has three printing ports as standard with the ability to upgrade to further ports using an expansion board. Alternatively, the kitchen order can be printed on the internal receipt printer number 41.

SETTING THE SERIAL PORT

- Select **S-MODE** then **SERIAL PORT DEVICE SELECTIONS**
- Press **ENTER** on the **PORT#** number (this is the physical port the printer is connected to).
- Cursor Down then press **ENTER** on **PRINTER**
- Cursor Down and press **ENTER** on the correct printer model.

<p>S-MODE PROGRAM MENU</p> <ol style="list-style-type: none"> 7. SERIAL PORT DEVICE SELECTIONS 8. DEFINE SERIAL PORT PARAMETERS 9. S-MODE PROGRAM SCAN PRINTING 10. SYSTEM PASSWORD 11. SUPER MACRO SCAN 12. ROM FILE DOWNLOAD <p>▼ ENTER PAGE UP/DN - ^</p>	<p>SERIAL PORT DEVICE SELECTIONS</p> <table border="1"> <thead> <tr> <th>PORT</th> <th>PRINTER</th> <th>PRINTER TYPES</th> </tr> </thead> <tbody> <tr> <td>PORT#1</td> <td>DISABLE</td> <td>SRP-100</td> </tr> <tr> <td>PORT#2</td> <td>PRINTER</td> <td>SRP-250</td> </tr> <tr> <td>PORT#3</td> <td>VIDEO POLLING</td> <td>SRP-350</td> </tr> </tbody> </table> <p>Arrows indicate cursor movement: from PORT#2 to PRINTER, and from PRINTER to SRP-350.</p>	PORT	PRINTER	PRINTER TYPES	PORT#1	DISABLE	SRP-100	PORT#2	PRINTER	SRP-250	PORT#3	VIDEO POLLING	SRP-350
PORT	PRINTER	PRINTER TYPES											
PORT#1	DISABLE	SRP-100											
PORT#2	PRINTER	SRP-250											
PORT#3	VIDEO POLLING	SRP-350											

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

<p>P-MODE PROGRAMMING MENU</p> <ol style="list-style-type: none"> 7. MESSAGES 8. WINDOW LOOK UP (WLU) 9. TIME PERIOD 10. EMPLOYEE 11. AUTHORITY LEVEL 12. PRINTER TABLES & KV ROUTING <p>▼ ENTER PAGE UP/DN - ^</p>	<p>PRINTER TABLES & KV ROUTING</p> <ol style="list-style-type: none"> 1. SYSTEM PRINTING CONFIGURATION 2. KITCHEN VIDEO ROUTING 3. KITCHEN PRINTER ROUTING 4. RECEIPT PRINTER ROUTING 5. DETAIL PRINTER ROUTING <p>▼ ENTER PAGE UP/DN - ^ - ^ ®</p>
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SYSTEM PRINTER CONFIGURATION		
P DESCR	MAIN	BACKUP
	RG#-P#	RG#-PT#
#1 RECEIPT TILL 1	01-2	02-2
#2 DETAIL TILL 1	01-1	02-1
#3 RECEIPT TILL 2	02-2	01-2
#4 DETAIL TILL 2	02-1	01-1

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REMOTE ORDER PRINTING

ALLOCATING A PLU TO KITCHEN PRINT GROUP

Each group of PLUs is allocated a KP group is then set to a printer number for printing

Select P-MODE then PLU STATUS GROUPS

After selecting the correct group for items that are to be printed on the printer

Cursor to **PRINT ON KP** Option and change to **Y**

Answer **Y** to the desired Product Printing group. i.e. 1 BAR K P items, 2 FOOD KP items.

P-MODE PROGRAMMING MENU	
1. PLU	
2. PLU STATUS GROUP	
3. GROUP	
4. FUNCTION MENU	
5. SYSTEM OPTION	
6. TAXES	
7. MESSAGES	
▼ ENTER	PAGE UP/DN - ^

PLU STATUS GROUP#	1 PROGRAM	
23. COMPULSORY VALIDATION		N
24. IS NON ADD # COMPULSORY ?		N
25. PRINT ON KV		N
26. KITCHEN VIDEO GROUP #		00
27. DISPLAY COLOUR ON KV (0-31)		00
28. PRINT ON KP ?		N
▼ ESC Y/N ENTER PAGE UP/DN - ^ → ®		

PLU STATUS GROUP#	1 PROGRAM	1	2	3	4	5	6	7	8	9
29. PRINT ON KP		N	N	N	N	N	N	N	N	N
30. PRINT RED ON KP										N
31. PRINT RED ON RECEIPT										N
32. PRINT ON RECEIPT										Y
33. PRINT ON JOURNAL										Y
▼ ESC Y/N ENTER PAGE UP/DN - ^ → ®										

ALLOCATING PRINTER GROUP TO A PRINTER

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

Select P-MODE then PRINTER TABLES & 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

P-MODE PROGRAMMING MENU	
7. MESSAGES	
8. WINDOW LOOK UP (WLU)	
9. TIME PERIOD	
10. EMPLOYEE	
11. AUTHORITY LEVEL	
12. PRINTER TABLES & KV ROUTING	
▼ ENTER	PAGE UP/DN - ^

KITCHEN PRINTER ROUTING PERIOD1							
PT DESCRIPTOR	KP	KP	KP	KP	KP	KP	KP
05 KITCHEN 1	1	0	0	0	0	0	0
00	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0
00	0	0	0	0	0	0	0
▼ ESC Y/N ENTER PAGE UP/DN - ^ → ®							

SAM4S WLU - WINDOW LOOK UP UNITS

- *Three types of items can be set in a WLU, these are condiments, function keys, and PLUs.*
- *The same WLU can contain any combination of condiments, functions, and PLUs*
- *A specific WLU can be activated automatically after a PLU is entered.*
- *Individual WLU keys can be programmed to the keyboard to recall a selected list of items*
- *WLU's can be accessed by code number using the WLU code key,*
- *A WLU can be linked to a subsequent WLU in order to lead the operator through a sequence of selections.*
- *WLU's can be displayed for single item selection closing after registration or multiple items closing on request.*
- *The option to print a copy of the current screen on the receipt printer is available if a hard copy is required.*
- *The WLU has various operator controls such as requesting that a set number of items are sold from a window.*
- *Up to 999 WLU's can be allocated with a maximum of 50 items per menu, these can be nested to create further item selections.*

WLU - WINDOW LOOK UP UNITS

PROGRAMMING WLU SELECTIONS

This will assign the items that are to be displayed, when the WLU is recalled.

- Select **P-MODE** then **WINDOW LOOK UP (WLU)**
- Enter the WLU number to be programmed and press **ENTER**
- Ensure all the options listed opposite are answered as required.
- Continue by selecting **EDIT ITEMS**

<p>P-MODE PROGRAMMING MENU</p> <p>7. MESSAGES 8. WINDOW LOOK UP (WLU) 9. TIME PERIOD 10. EMPLOYEE 11. AUTHORITY LEVEL</p> <p>▼ ENTER PAGE UP/DN - -</p>	<p>WLU 1 PROGRAMMING</p> <table style="width: 100%;"> <tr> <td>1. TITLE:</td> <td style="text-align: right;">STARTERS</td> </tr> <tr> <td>2. ALLOW CONDIMENT</td> <td style="text-align: right;">Y</td> </tr> <tr> <td> ALLOW PLU</td> <td style="text-align: right;">Y</td> </tr> <tr> <td> ALLOW FUNCTIONS</td> <td style="text-align: right;">N</td> </tr> <tr> <td>3. # OF ITEM CHOICE (0=NOLIMIT)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>4. ITEM MULTIPLICATION ?</td> <td style="text-align: right;">0</td> </tr> </table> <p>▼ ESC Y/N ENTER PAGE UP/DN - -</p>	1. TITLE:	STARTERS	2. ALLOW CONDIMENT	Y	ALLOW PLU	Y	ALLOW FUNCTIONS	N	3. # OF ITEM CHOICE (0=NOLIMIT)	0	4. ITEM MULTIPLICATION ?	0
1. TITLE:	STARTERS												
2. ALLOW CONDIMENT	Y												
ALLOW PLU	Y												
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4. ITEM MULTIPLICATION ?	0												
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3. # OF ITEM CHOICE (0=NOLIMIT)	0												
4. ITEM MULTIPLICATION ?	0												
5. EXIT FROM TABLE WITH DONE Y													
6. LINK TO WLU# (0=NO LINK)	00												
PLU FUNCTION ESC VOID ITEM DONE	1. SOUP 2. MELON 3. SALMON 4. PATE 5. SORBET 6. SPECIAL 2												

TITLE	This is the name of the window for display purposes only
CONDIMENT	This indicates whether the window is to include condiment PLUs
PLU	This indicates whether the window is to include PLUs
FUNCTIONS	This indicates whether the window is to include function keys
# No. OF CHOICES	This is the number of choices to be made from the window
CONDIMENT MULTIPL	This forces the operator to enter a quantity for the item to be sold.
ALLOW EXIT FROM TABLE WITH DONE	This allows the user to leave the window without fulfilling the entire compulsory requirements such as number of choices.
LINK TO TABLE#	It is possible to link windows together, so that when the requirements of one window has been completed the next window is displayed.

SAM4S SMART CARD PAYMENT

- The ability to finalise a sale using cashless smart card payment
- Points gained calculated for each of the five price levels.
- Points calculation can be a multiplication of the retail price or a simple addition.
- Card Issuance can be carried out at the ECR or back office software is available.
- Comprehensive function keys for balance and point management including redemption.
- Hotlist file for tracking lost or stolen cards.
- Smart card categories can be utilised for incentive schemes, allowing automatic % discounts, premiums and bonus point calculations.
- Redemption of points for cash balance, inside or outside of transaction
- Card absent sale options
- The ability to send the card sales and hot list information to and from the register for PC collection

SMART CARD PAYMENT

MEMORY ALLOCATION

The memory is set as part of the initial start up procedure and can not be changed once entered.

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

of category (0- 255) - This enables rewarding of specific card holders, for example CATEGORY 1 card holder may receive 10% discount or points gained multiplied by 2 etc..

of HOT LIST (0 - 999) -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 sale finalisation is attempted.

S-MODE PROGRAM MENU	
1.	SELF TESTS
2.	MEMORY CLEAR
3.	MEMORY ALLOCATION
4.	KEYBOARD KEY LOCATION
5.	SYSTEM OPTIONS
6.	PRINTER DRIVER SELECTION
▼ ESC ENTER PAGE UP/DN - ^	

MEMORY ALLOCATION DISPLAY		L1
MIX & MATCH	Y	N N N N
35. # OF CATEGORY (0 – 255)		000
36. # OF HOT LIST (0 – 999)		000
37. NV BUFFER (0 – 999999)		000000
38. CARD AUDIT MEMORY		000000
REMAINING MEMORY		1049924BYTES
▼ ESC PAGE UP/DN		

DEVICE ALLOCATION

It is required that the smartcard reader be programmed to one of the serial ports. The baud rate etc is default and does not need changing (9600, ODD, NO PARITY).

- Select **S-MODE** then **SERIAL PORT DEVICE SELECTIONS**
- Press **ENTER** on the **PORT#** number (this is the physical port the Smartcard is connected to).
- Cursor Down then press **ENTER** on **SMARTCARD**

S-MODE PROGRAM MENU	
7.	SERIAL PORT DEVICE SELECTIONS
8.	DEFINE SERIAL PORT PARAMETERS
9.	S-MODE PROGRAM SCAN PRINTING
10.	SYSTEM PASSWORD
11.	SUPER MACRO SCAN
12.	ROM FILE DOWNLOAD
▼ ENTER PAGE UP/DN - ^	

SERIAL PORT DEVICE SELECTIONS	
PORT	PRINTER PRINTER TYPES
PORT#1	SMARTCARD
PORT#2	
PORT#3	

SMART CARD PAYMENT

ALLOCATING FUNCTIONS

- Select **S-MODE** then **KEYBOARD RELOCATION** then **FUNCTION KEYS**
- Press the **KEY** to program
- Use **PAGEUP/PAGEDOWN** to find the key code
- Type in the function code and press **ENTER** the function setting will be displayed press **CL/ESC**
- Repeat for further keys if required
- Press **CL/ESC** & press **Y** then **ENTER** to exit.
- Press **Y** then **ENTER** to save .
- Press **CL/ESC** press **Y** then **ENTER**

S-MODE PROGRAMMING MENU

7. SELF TESTS
 8. MEMORY CLEAR
 9. MEMORY ALLOCATION
10. KEYBOARD KEY LOCATION
 11. SYSTEM OPTIONS
 12. PRINTER DRIVER SELECTION

▼ ENTER PAGE UP/DN - "

KEYBOARD KEY RELOCATION

PLU KEYS
 WLU KEYS
 FUNCTION KEYS

↘

6. KBD LEVEL 1
 7. KBD LEVEL 2
 8. KBD LEVEL 3
 9. KBD LEVEL 4
 10. KBD LEVEL 5

FUNCTION KEY RELOCATION

KEYBOARD LEVEL 1

- PRESS ANY KEY TO READ AND/OR CHANGE CURRENT ASSIGNMENT
- PRESS ESC TO EXIT

FUNCTION KEY RELOCATION

KBD LEVEL 1 KEY POSITION 13
 CURRENT ASSIGNM :13 ADD CHECK

1 – NUMERIC 1 2 – NUMERIC 2
 3 – NUMERIC 3 4 – NUMERIC 4

▼ ESC ENTER PAGE UP/DN - "

ADD/SUBTRACT BALANCE

These are smart card functions used to add or subtract monies to the card

ADD/SUBTRACT POINTS

These are smart card functions used to manually increase or decrease the number of points on a card

DISPLAY/PRINT CARD

This is a smart card function key used to display a card holders details. The detail of the displayed/printed information is definable.

REDEEM POINTS

This function key allows redemption of the points for cash. Points can be calculated for each price level of each PLU sold.

ABSCENT CARD

This is used to register a smartcard sale when the card is not present.

ADD/DEL HOTLIST

This is a smart card function used to mark a card as lost or stolen. The details are then placed in a hot list file, the maximum of which is set by the memory allocation.

MISC TEND 1 - 16

This key can be programmed to allow card payment, i.e become a smart card finalisation key

%9 - %10

These keys are used when card categories are used for automatic Discount (%9) / premium (%10)

SMART CARD PAYMENT

PROGRAMMING FUNCTION KEYS

It is possible to set various flags for each function, the following outlines the smartcard options

Select P-MODE then FUNCTION MENU
 Following the display message press the required tender key
 Select the desired options.
 Then press ENTER then Press ESC/CL to quit and save

FUNCTION KEY #119 PROGRAMMING	
COIN CHANGE PORT (0-7)	0
CONNECT EFT TERMINAL	N
ENABLE SMARTCARD SALE	Y
PRINT SIGNATURE	Y
PRINT CARD DETAIL	Y
EFT TERMINAL TRANSACTION KEY (0-7)	0
▼ ENTER PAGE UP/DN - -	

FUNCTION KEY #119 PROGRAMMING	
ENABLE PAY BY POINTS	N
POINTS REDEEM VALUE	00.00
▼ ENTER PAGE UP/DN - -	

PROGRAMMING SYSTEM FLAGS.

It is possible to set various flags to enable such options as smart card issuance and card category calculations.

- Select **P-MODE** then **SYSTEM OPTIONS**
- Select GENERAL OPTIONS
- Change the required system flags.
- Then press **ENTER** then Press **ESC/CL** to quit and save

P-MODE PROGRAMMING MENU	
1. PLU	
2. PLU STATUS GROUP	
3. GROUP	
4. FUNCTION MENU	
5. SYSTEM OPTION	
6. TAXES	
▼ ENTER PAGE UP/DN - -	

SYSTEM OPTION PROGRAM	
1. GENERAL FUNCTIONS OPTIONS	
2. TAX OPTIONS	
3. CASH DRAWER OPTIONS	
4. TRAINING MODE OPTIONS	
5. LEVEL/MODIFIER OPTIONS	
▼ ENTER PAGE UP/DN - -	

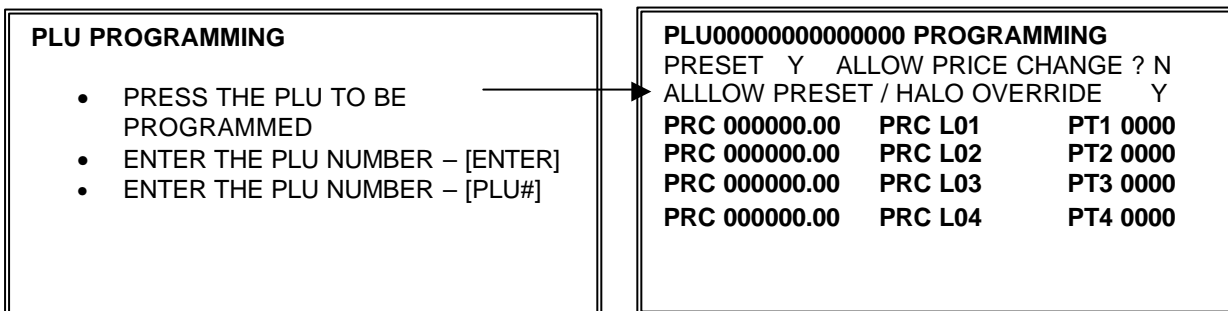
GENERAL FUNCTION OPTIONS	
51. SUB CHNG FROM FOREIGN1 TTL	N
52. RECEIPT STATUS ON DISPLAY	N
53. AUDIBLE TONE ON HOTLIST	Y
54. ALLOW CARD ISSUE	Y
55. CHECK CARD BIRTHDAY	Y
56. USE SMART CARD GROUPS	Y
▼ ENTER PAGE UP/DN - -	

SMART CARD PAYMENT

ALLOCATING POINTS

It is possible when using a smart card to gain points for products sold. There are two possibilities for points calculation. The points per £ can be programmed the value is then used to calculate the points. Alternatively it is possible to have a points addition system, where the value entered against the points field is added and not multiplied. This is available only if smart card groups are programmed with this option.

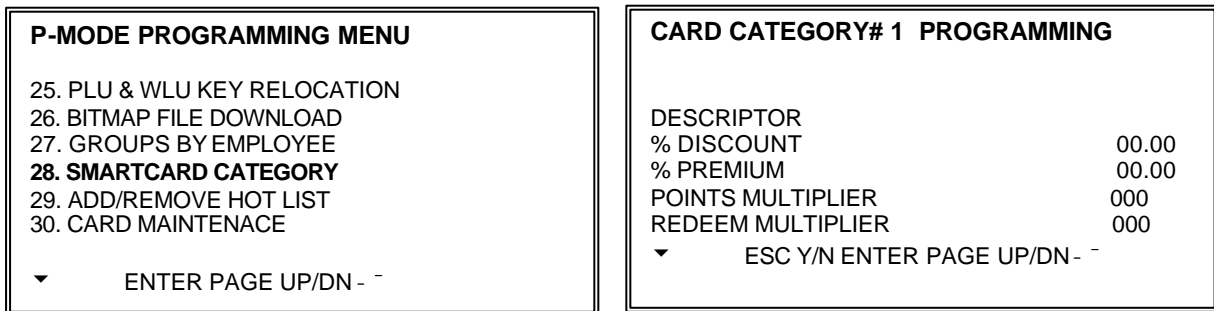
- Select **P-MODE** then **PLU** then **ADD & CHANGE**
- Enter the required points per £ for each price level



SMART CARD CATEGORIES

This option provides the ability to allocate categories to the cards enabling sale calculations,

- Select **P-MODE** then **SMARTCARD CATEGORY**



DESCRIPTOR

This is the name of the smart card group, which will be printed and displayed during smart card transactions.

% DISCOUNT

This will be subtracted from the sale total prior to finalising; this will use the % 9 function key for text & net item

% PREMIUM

This will be subtracted from the sale total prior to finalising; this will use the % 10 function key for text & net item

POINTS MULTIPLIER

The points gained, during the redemption process are multiplied by this value i.e. total of points gained 10 additional multiplied by the value of 5 = 50 points to be added to the card loyalty balance

DISALLOW POINTS

If this flag is set to Yes then no points are added to the loyalty balance

GAIN NOT MULTIPLY POINTS

Instead of the POINTS being MULTIPLIED by the Retail price the POINTS stored in the PLU file are totalled

SMART CARD PAYMENT

CARD ISSUANCE

This allows pre-configured cards to be issued and amended at the ECR.

- Ensure within **P-MODE SYSTEM OPTIONS** then **GENERAL SETTINGS** that the enable smart issuance has been set to yes
- Insert the Card into the reader
- Select **P-MODE** then **CARD MAINTENANCE** then **CARD ISSUANCE**
- Enter the card holder details as required

P-MODE PROGRAMMING MENU	
25. PLU & WLU KEY RELOCATION	
26. BITMAP FILE DOWNLOAD	
27. GROUPS BY EMPLOYEE	
28. SMARTCARD CATEGORY	
29. ADD/REMOVE HOT LIST	
30. CARD MAINTENANCE	
▼ ENTER PAGE UP/DN - -	

P-MODE PROGRAMMING MENU	
1. CARD CONFIG	
2. CARD ISSUANCE	
3. WRITE DATE & TIME	
▼ ENTER PAGE UP/DN - -	

CARD ISSUANCE	
CARD#	123
NAME YCR DISTRIBUTION	
DATE OF BIRTH (DDMMYYYY)	22011971
CATEGORY	020
DEPARTMENT	002
EXPIRY DATE (DDMMYYYY)	23042011
DAILY REFRESH	Y

CARD#

This is the unique alpha numeric reference number for the card

NAME#

This is the name of the cardholder.

DATE OF BIRTH

This is the date of birth of the cardholder and can be optionally checked for birthday

CATEGORY

This is the card category, which can be crossed referenced, with the ECR category file for discounting and incentives.

DEPARTMENT

This is not utilised by the ECR.

EXPIRY DATE

When the ECR date matches the card expiry date, all sales for this card cease to be allowed until this card is re-issued.

USE DAILY REFRESH

This determines whether this particular card is to be included in the daily refresh i.e. adding a daily allowance to the current cash balance, as the date changes within the reader.

SAM4S EFT CARD PAYMENT

The SER-7000 allows connection to a credit card terminal for card payments

EFT CARD PAYMENT

DEVICE ALLOCATION

It is required that the EFT Terminal be programmed to one of the serial ports.

- Select **S-MODE** then **SERIAL PORT DEVICE SELECTIONS**
- Press **ENTER** on the **PORT#** number (this is the physical port the EFT Terminal is connected to).
- Cursor Down then press **ENTER** on **EFT**
- Cursor Down and then press **ENTER** on the correct model (XCHEQUER is the norm)

S-MODE PROGRAM MENU	
6.	SERIAL PORT DEVICE SELECTIONS
7.	DEFINE SERIAL PORT PARAMETERS
8.	S-MODE PROGRAM SCAN PRINTING
9.	SYSTEM PASSWORD
10.	SUPER MACRO SCAN
11.	ROM FILE DOWNLOAD
▼	ENTER PAGE UP/DN - -

SERIAL PORT DEVICE SELECTIONS	
PORT	SMARTCARD
PORT#1	
PORT#2	
PORT#3	

SERIAL PORT SETTINGS

- Select **S-MODE** then select **DEFINE SERIAL PORT PARAMATERS**
- Enter the appropriate BAUD RATE, PARTIY, DATA & STOP bit settings from the table below.

Settings	Baud Rate	Parity	DATA Bits	STOP Bits
EFT	1200	ODD	7	1

S-MODE PROGRAM MENU	
6.	SERIAL PORT DEVICE SELECTIONS
7.	DEFINE SERIAL PORT PARAMETERS
8.	S-MODE PROGRAM SCAN PRINTING
9.	SYSTEM PASSWORD
10.	SUPER MACRO SCAN
11.	ROM FILE DOWNLOAD
▼	ENTER PAGE UP/DN - -

SERIAL PORT#1 PARAMETER		
PORT DESCRIPTION	PORT1 -	RECEIPT
BAUD RATE		009600
PARITY		NONE
DATA BITS		8
STOP BITS		1
RETRIES		00
▼ ESC	ENTER PAGE UP/DN - -	

FUNCTION KEY SETTINGS

- Select **P-MODE** then select **FUNCTION KEYS** ensure the MISC TENDER function is set for connect to EFT

P-MODE PROGRAMMING MENU	
1.	PLU
2.	PLU STATUS GROUP
3.	GROUP
4.	FUNCTION MENU
5.	SYSTEM OPTION
6.	TAXES
▼	ENTER PAGE UP/DN - -

FUNCTION KEY #119 PROGRAMMING	
COIN CHANGE PORT (0-7)	0
CONNECT EFT TERMINAL	Y
ENABLE SMARTCARD SALE	N
PRINT SIGNATURE	N
PRINT CARD DETAIL	N
EFT TERMINAL TRANSACTION KEY (0-7)	0
▼	ENTER PAGE UP/DN - -

SAM4S GRAPHIC IMAGES

- Graphical receipt header and footers can be printed on the internal printer
- Graphical receipt header and footers 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.

GRAPHIC IMAGES

The bitmap images can be stored either in the printer or sent via the PC to the SER-7000 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 (refer to programming manual Bitmap 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 - SERIAL PORT DEVICE SELECTIONS** that printer is programmed to the port
- Ensure within **P-MODE – PRINTER & KV ROUTING MENU** the receipt printer is programmed
- Within the **S-MODE – PRINTER DRIVER SELECTION** select the required printer type and cursor to the **LOGO** section. 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.

<p>S-MODE PROGRAM MENU</p> <ol style="list-style-type: none"> 1. SELF TESTS 2. MEMORY CLEAR 3. MEMORY ALLOCATION 4. KEYBOARD KEY LOCATION 5. SYSTEM OPTIONS 6. PRINTER DRIVER SELECTION <p>▼ ESC Y/N ENTER PAGE UP/DN - -</p>	<p>PRINTER DRIVER SELECTIONS</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 40%;">PRINTER TYPE</th> <th style="width: 30%;">START</th> <th style="width: 10%;">CANCEL</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>SRP-100</td> <td>INITIALISE</td> <td>1B40</td> <td></td> <td></td> </tr> <tr> <td>SRP-250</td> <td>COMPRESS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SRP-300</td> <td>RED/REV</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CIT 3541</td> <td>EXPANDED</td> <td>1B2121</td> <td></td> <td></td> </tr> <tr> <td>CIT 810</td> <td>BOLD</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CIT 230</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	PRINTER TYPE	START	CANCEL			SRP-100	INITIALISE	1B40			SRP-250	COMPRESS				SRP-300	RED/REV				CIT 3541	EXPANDED	1B2121			CIT 810	BOLD				CIT 230				
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CIT 230																																				

EXTERNAL IMAGE PRINTING PLU IMAGES

The following section allows printing of a graphical image per product

- Using the printer utility and the documents supplied, download the images to the printer
- From the **P-MODE** menu select **PLU STATUS GROUP** and enter the image number in the **LINKED NV IMAGE NO.** section

<p>P-MODE PROGRAMMING MENU</p> <ol style="list-style-type: none"> 1. PLU 2. PLU STATUS GROUP 3. GROUP 4. FUNCTION MENU 5. SYSTEMOPTION 6. TAXES 7. MESSAGES <p>▼ ENTER PAGE UP/DN - -</p>	<p>PLU STATUS GROUP# 1 PROGRAM</p> <table style="width: 100%;"> <tr> <td style="width: 80%;">40. COOKING ITEM</td> <td style="width: 20%; text-align: right;">Y</td> </tr> <tr> <td>41. LINKED NV IMAGE NO.</td> <td style="text-align: right;">00</td> </tr> </table>	40. COOKING ITEM	Y	41. LINKED NV IMAGE NO.	00
40. COOKING ITEM	Y				
41. LINKED NV IMAGE NO.	00				

- From the **P-MODE** menu select **PLU** then **ADD / CHANGE** ensure that **PRN NV IMAGE** is set to **Y**

<p>P-MODE PROGRAMMING MENU</p> <ol style="list-style-type: none"> 1. PLU 2. PLU STATUS GROUP 3. GROUP 4. FUNCTION MENU 5. SYSTEM OPTION 6. TAXES <p>▼ ENTER PAGE UP/DN - -</p>	<p>PLU00000000000000 PROGRAMMING</p> <table style="width: 100%;"> <tr> <td>DESCRIPTOR</td> <td>PINT OF BITTER</td> <td></td> <td></td> </tr> <tr> <td>STOCK LINK PLU</td> <td>00000000000000000000</td> <td></td> <td></td> </tr> <tr> <td>MODIFIER QTY</td> <td>0000</td> <td>GROUP LINK #1</td> <td>01</td> </tr> <tr> <td>PLU STAT LK#</td> <td>01</td> <td>PRN NV IMAGE</td> <td>N</td> </tr> <tr> <td>PIECE COUNT</td> <td>000</td> <td>RECIPE#</td> <td>0</td> </tr> <tr> <td>ACTIVATE WLU#</td> <td>00</td> <td>M&M TABLE#</td> <td>0</td> </tr> <tr> <td>INACTIVE</td> <td>N</td> <td>PRODUCT MIX#</td> <td>0</td> </tr> </table>	DESCRIPTOR	PINT OF BITTER			STOCK LINK PLU	00000000000000000000			MODIFIER QTY	0000	GROUP LINK #1	01	PLU STAT LK#	01	PRN NV IMAGE	N	PIECE COUNT	000	RECIPE#	0	ACTIVATE WLU#	00	M&M TABLE#	0	INACTIVE	N	PRODUCT MIX#	0
DESCRIPTOR	PINT OF BITTER																												
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MODIFIER QTY	0000	GROUP LINK #1	01																										
PLU STAT LK#	01	PRN NV IMAGE	N																										
PIECE COUNT	000	RECIPE#	0																										
ACTIVATE WLU#	00	M&M TABLE#	0																										
INACTIVE	N	PRODUCT MIX#	0																										

GRAPHIC IMAGES

The internal receipt print allows graphics logos to be printed as header and footer images for the receipt and bills.

INTERNAL PRINTER RECEIPT HEADER AND FOOTER IMAGES

- Using the printer utility and the documents supplied, download the images to the SER-7000
- Within P-MODE select SYSTEM OPTIONS then GENERAL PRINTING OPTIONS
- Change the required system settings
- Press **CL/ESC** to save the settings

<p>P-MODE PROGRAMMING MENU</p> <ol style="list-style-type: none">1. PLU2. PLU STATUS GROUP3. GROUP4. FUNCTION MENU5. SYSTEM OPTION6. TAXES <p>▼ ENTER PAGE UP/DN - -</p>	<p>SYSTEM OPTION PROGRAM</p> <ol style="list-style-type: none">6. TRACKING FILE OPTIONS7. KP/KV OPTIONS8. VALID/SBTL PRINT OPTIONS9. GENERAL PRINTING OPTIONS10. REPORT PRINTING OPTIONS <p>▼ ENTER PAGE UP/DN - -</p>
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PRE LOGO IMG ON RCT (0-22)

The system operates images to both internal and external printers in various ways this specific system flag relates to the internal receipt printer, and the 22 logos which can be downloaded from the PC. The flag determines which logo will be printed at the header of the receipt

POST LOGO IMG ON RCT (0-22)

The system operates images to both internal and external printers in various ways this specific system flag relates to the internal receipt printer, and the 22 logos which can be downloaded from the PC. The flag determines which logo will be printed at the footer of the receipt

PRE LOGO IMG ON GC (0-22)

The system operates images to both internal and external printers in various ways this specific system flag relates to the internal receipt printer, and the 22 logos which can be downloaded from the PC. The flag determines which logo will be printed at the header of a check tracking bill

PRE LOGO IMG ON GC (0-22)

The system operates images to both internal and external printers in various ways this specific system flag relates to the internal receipt printer, and the 22 logos which can be downloaded from the PC. The flag determines which logo will be printed at the footer of a check tracking bill

SAM4S RETAIL BARCODE SCANNING

- The option of scanning both EAN 8, EAN 13, UPG-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.

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 **P-MODE** then **PLU STATUS GROUPS**
- After selecting the correct group change the flag **STOCK PLU ?** to **Y**

P-MODE PROGRAMMING MENU	
8. PLU	
9. PLU STATUS GROUP	
10. GROUP	
11. FUNCTION MENU	
12. SYSTEM OPTION	
13. TAXES	
14. MESSAGES	
▼ ENTER	PAGE UP/DN - ↑ ↓ ®

PLU STATUS GROUP# 1 PROGRAM	
11. RESERVED FOR FUTURE USE	
12. IS PLU MEMO ?	N
13. IS PLU SCALEABLE ?	N
14. AUTO SCALE ON THIS PLU ?	N
15. AUTO TARE# (0-20)	00
16. STOCK PLU ?	N
▼ ESC Y/N ENTER PAGE UP/DN - ↑ ↓ ®	

ENTERING THE MINIMUM STOCK VALUE

Select **P-MODE** then **MINIMUM STOCK**

Following the on screen prompt select the required item.

- Enter the appropriate minimum stock figure in units.

P-MODE PROGRAMMING MENU	
19. PLU STOCK	
20. PLU MINIMUM STOCK	
21. COPY PROGRAM	
22. PROGRAM FILE DOWNLOAD	
23. P-MODE PROGRAM SCAN PRINTING	
24. NON PLU CODE	
▼ ENTER PAGE UP/DN - ↑ ↓ ®	

PLU MINIMUM STOCK PROGRAMMING	
PLU 00000000000000000001 STOCK PGM	
DESCRIPTION:	BOTTLE BECKS
STOCK	0.00
▼ ESC Y/N ENTER PAGE UP/DN - ↑ ↓ ®	

STOCK ENTRY

Select **P-MODE** then **PLU STOCK** or **X MODE** then **EDIT PLU STOCK**, both menu options 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.

P-MODE PROGRAMMING MENU	
19. PLU STOCK	
20. PLU MINIMUM STOCK	
21. COPY PROGRAM	
22. PROGRAM FILE DOWNLOAD	
23. P-MODE PROGRAM SCAN PRINTING	
24. NON PLU CODE	
▼ ENTER PAGE UP/DN - ↑ ↓ ®	

X MODE MENU	
7. TIME CLOCK EDIT	
8. EDIT INVENTORY ITEM	
9. EDIT PLU STOCK	
10. DRAWER ASSIGNMENT	
11. SEND DATA TO CARD	
12. RECEIVE DATA FROM CARD	
▼ ENTER - ↑	

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

RECEIPE 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 DISPLAY**

OF RECIPES – This is the number of recipes that can be created

INVENTORY INGREDIENTS– This is the number of ingredients available to be allocated to recipes

S-MODE PROGRAM MENU	
1.	SELF TESTS
2.	MEMORY CLEAR
3.	MEMORY ALLOCATION
4.	KEYBOARD KEY LOCATION
5.	SYSTEM OPTIONS
6.	PRINTER DRIVER SELECTION
▼ ESC ENTER PAGE UP/DN - -	

MEMORY ALLOCATION DISPLAY		L1
17.	# OF WLU	10
18.	# OF LINES PER WLU	10
19.	# OF RECIPE	005
20.	# OF INVENTORY INGREDIENT	015
21.	# OF LINES FOR E.J.	00000
REMAINING MEMORY		1049924BYTES
▼ ESC PAGE UP/DN		

RECIPE SET-UP

- Select **P-MODE** then **INGREDIENT INVENTORY** then **EDIT INGREDIENTS**
- 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 then **CL/ESC** back to the sub menu and select **EDIT RECIPES** and link all the ingredients to a recipe
- Ensure the recipe number is linked to the PLU within the **P-MODE** option

INGREDIENT PROGRAMMING		
INGREDIENT	DESCRIPTOR	COST
001	BURGER	000.120
002	BREAD BUN	000.060
003	RELISH PACK	000.100
000		000.000
000		000.000
▼ ESC Y/N ENTER PAGE UP/DN - - ®		

RECEIPE 1 PROGRAMMING			
DESCRIPTOR BURGER & SALAD			
	INGR/RECIPE #	DESCRIPTOR	QTY
01	INGREDIENT	BURGER	002
02	INGREDIENT	BREAD BUN	001
▼ ESC Y/N ENTER PAGE UP/DN - - ®			

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
- Four Week Projection Plan with average usage calculations
- 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 Projections

PRODUCT PROJECTIONS REPORT					
X1 REPORT		X1 0003	X2 0001		
PRODUCT PROJECTIONS WED					
BOTTLE BECKS (CASE)					
TIME	WEEK1	WEEK2	WEEK3	WEEK4	AVG
06:00-07:59	5	5	5	5	5
08:00-08:29	10	20	30	40	25
08:30-08:59	0	0	0	700	175
09:30-09:59	0	0	68	1	17
TOTAL	15	25	103	746	222
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, per time period with option seven day, four-week projections

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 DISPLAY**

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

PROJECTIONS – This is shows the usage for each day for a 4 week period. This is an optional report

<p>S-MODE PROGRAM MENU</p> <p>7. SELF TESTS 8. MEMORY CLEAR 9. MEMORY ALLOCATION 10. KEYBOARD KEY LOCATION 11. SYSTEM OPTIONS 12. PRINTER DRIVER SELECTION</p> <p>▼ ESC ENTER PAGE UP/DN - -</p>	<p>MEMORY ALLOCATION DISPLAY L1</p> <p>TRACK 4</p> <p>13. # OF TIME PERIOD (24/48/96) 24 14. # OF PRODUCT MIX GROUPS 005 15. PMIX TIME PROG# (24/48/96) 24 16. PROJECTIONS N</p> <p>REMAINING MEMORY 1049924BYTES ▼ ESC PAGE UP/DN</p>
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PRODUCT MIX CREATION

- Select **P-MODE** then **PRODUCT MIX GROUPS** 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

<p>P-MODE PROGRAMMING MENU</p> <p>13. INGREDIENT INVENTORY 14. TIME ACTIVATED FUNCTIONS 15. PRODUCT MIX GROUPS 16. MIX & MATCH TABLE 17. CUSTOM REPORT 18. STRING REPORT</p> <p>▼ ENTER PAGE UP/DN - -</p>	<p>PRODUCT MIX ITEM PROGRAMMING</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>DESCRIPTOR</th> <th>PCS/UNIT</th> <th>UNIT DESC</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>BRANDY 032</td> <td>BOTT</td> <td></td> </tr> <tr> <td>002</td> <td>TETLEY DRAUG 016</td> <td></td> <td>1/2s in GAL</td> </tr> </tbody> </table> <p>▼ ESC Y/N ENTER PAGE UP/DN - - ®</p>	ITEM	DESCRIPTOR	PCS/UNIT	UNIT DESC	001	BRANDY 032	BOTT		002	TETLEY DRAUG 016		1/2s in GAL
ITEM	DESCRIPTOR	PCS/UNIT	UNIT DESC										
001	BRANDY 032	BOTT											
002	TETLEY DRAUG 016		1/2s in GAL										

- Select **P-MODE** then **PLU** programming and ensure the PLU is linked to the **PRODUCT MIX GROUP**

<p>P-MODE PROGRAMMING MENU</p> <p>2. PLU 2. PLU STATUS GROUP 3. GROUP 4. FUNCTION MENU 5. SYSTEM OPTION 6. TAXES</p> <p>▼ ENTER PAGE UP/DN - -</p>	<p>PLU00000000000000000000 PROGRAMMING</p> <p>DESCRIPTOR PINT OF BITTER STOCK LINK PLU 00000000000000000000 MODIFIER QTY 0000 GROUP LINK #1 01 PLU STAT LK# 01 PRN NV IMAGE N PIECE COUNT 000 RECIPE# 0 ACTIVATE WLU# 00 M&M TABLE# 0 INACTIVE N PRODUCT MIX# 0</p>
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SAM4S ELECTRONIC JOURNAL

- *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*
 - *Smartcard sales paid by points*
- *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*
 - *Smartcard sales paid by points*
- *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*

SAM4S GROUPS BY EMPLOYEE

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

<p>S-MODE PROGRAM MENU</p> <p>7. SELF TESTS 8. MEMORY CLEAR 9. MEMORY ALLOCATION 10. KEYBOARD KEY LOCATION 11. SYSTEM OPTIONS 12. PRINTER DRIVER SELECTION</p> <p>▼ ESC ENTER PAGE UP/DN - -</p>	<p>MEMORY ALLOCATION DISPLAY L1</p> <p>6. # OF TIME I/O PER EMPLOYEE 24 7. USE GROUP BY EMPLOYEE Y 8. CHECK TRACKING METHOD SOFT ? 9. # OF TRACKING FILES (0-4) 2 10. # OF LINES PER TRANS. 035</p> <p>REMAINING MEMORY 1049924BYTES ▼ ESC PAGE UP/DN</p>
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PROGRAM EMPLOYEE GROUPS

- Select **P-MODE** 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.

<p>P-MODE PROGRAMMING MENU</p> <p>25. PLU & WLU KEY RELOCATION 26. BITMAP FILE DOWNLOAD 27. GROUPS BY EMPLOYEE 28. SMARTCARD CATEGORY 29. ADD/REMOVE HOT LIST 30. CARD MAINTENACE</p> <p>▼ ENTER PAGE UP/DN - -</p>	<p>GROUPS BY EMPLOYEE 1 PROGRAM</p> <table border="1"> <thead> <tr> <th>#1</th> <th>GROUP</th> <th>DESCRIPTOR</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>01</td> <td>DRAUGHT BEERS</td> </tr> <tr> <td>02</td> <td>17</td> <td>RED WINES</td> </tr> <tr> <td>03</td> <td>30</td> <td>STEAKS</td> </tr> <tr> <td>04</td> <td>00</td> <td></td> </tr> <tr> <td>05</td> <td></td> <td></td> </tr> </tbody> </table> <p>▼ ESC Y/N ENTER PAGE UP/DN - -</p>	#1	GROUP	DESCRIPTOR	01	01	DRAUGHT BEERS	02	17	RED WINES	03	30	STEAKS	04	00		05		
#1	GROUP	DESCRIPTOR																	
01	01	DRAUGHT BEERS																	
02	17	RED WINES																	
03	30	STEAKS																	
04	00																		
05																			

SAM4S TIME LABOUR COSTING

- Time clock in/out feature which records the clocked hours worked and cost of labour
- Allocation of job title and wage pay rate for each shift work.
- 20 Job titles can be stored within the system, along with up to 50 pay rates. Providing complete flexibility or pay rate allocation.
- Both job code and pay rates are set to each employee independently allowing each job to have a different hourly wage allocated.
- Up to 6 jobs can be allocated per employee, with 6 different pay rates for each job
- Choice of Clock in secret code methods, varying from normal register security to specific clock in codes. This is combined with complete authority options available for restriction of access. For example employees can be programmed to only be able to clock in/out to a terminal i.e. back office staff etc.
- The ability for Manager amendments to the time clock, Daily, for up to five periods.
- The option to program the hours of a working Day or Week and allocate the overtime
- Complete reporting analysis with labour costing, individual employee reports etc.

DAILY TIME KEEPING REPORT			
X1 REPORT		X1 0003 X2 0001	
EMP#	SSN NAME	TIPS	
0001	123456789 ANNIE	00.00	
	12:00 - 13:00	MANAGER	
	13:00 - 14:00	SERVER	
MANAGER	1.00 REG	0.00 OT	
SERVER	1.00 REG	0.00 OT	
TOTAL REG	2.00 HR	14.00 CST	
TOTAL LBR	2.00 HR	14.00 CST	

MANAGER			
REG	1.00 HR	8.00 CST	
TOTAL LBR	1.00 HR	8.00 CST	
SERVER			
REG	1.00 HR	6.00 CST	
TOTAL LBR	1.00 HR	6.00 CST	

TOTAL			
REG	2.00 HR	14.00 CST	
OT	0.00 HR	0.00 CST	
TOTAL LABOR	2.00 HR	14.00 CST	
TOTAL TIPS	0.00		
EMPLOYEE:	DEBI BARTON	#01	
TIME 09:03		NO.000000	

TIME CLOCK LABOUR COSTING

The employee file contains information for register operations as well as employees who use the register only to clock in or out (employee time keeping). Specific functions are allowed or disallowed for each employee and is determined by assigning the employee to an authority level. A time keeping code is used to clock in or out and a separate sign on code is used to operate the register. The social security number is for reference only and appears on reports.

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 PREVIOUS, SPECIFYING WHICH TERMINAL WILL BE STORING TIME IN / OUT DATA.

- Ensure the memory is allocated by using **S-MODE** option **MEMORY ALLOCATION DISPLAY**
 - # OF EMPLOYEE** - This is the number of people who can clock into the system operate the register
 - # OF TIME ENTRIES PER EMPLOYEE** - This is the number of times an operator can clock in/out of the system before a reset report must be taken, i.e. the number of shifts.

S-MODE PROGRAM MENU
13. SELF TESTS
14. MEMORY CLEAR
15. MEMORY ALLOCATION
16. KEYBOARD KEY LOCATION
17. SYSTEM OPTIONS
18. PRINTER DRIVER SELECTION
▼ ESC ENTER PAGE UP/DN - -

MEMORY ALLOCATION DISPLAY	L1
6. # OF TIME I/O PER EMPLOYEE	24
7. USE GROUP BY EMPLOYEE	Y
8. CHECK TRACKING METHOD	SOFT ?
9. # OF TRACKING FILES (0-4)	2
10. # OF LINES PER TRANS.	035
REMAINING MEMORY	1049924BYTES
▼	ESC PAGE UP/DN

EMPLOYEE SETTINGS

- Select **P-MODE** then **EMPLOYEE** and enter the employee code and press **ENTER**
- Enter all the relevant employee information i.e. **CLOCK IN JOB**, and job codes and pay rates
- Enter the **JOB CODES** and **PAY RATES**, by pressing **ENTER** on the header to access the menu.

P-MODE PROGRAMMING MENU
7. MESSAGES
8. WINDOW LOOK UP (WLU)
9. TIME PERIOD
10. EMPLOYEE
11. AUTHORITY LEVEL
12. PRINTER TABLES & KV ROUTING
▼ ENTER PAGE UP/DN - -

EMPLOYEE# 1 PROGRAMMING	
1. NAME	JOHN H
2. SOCIAL SEC#	ABCD000000000
3. CLOCK IN CODE	0000000101
4. OPERATING CODE	0000000001
5. LINK TO AUTHORITY LEVEL	1
▼ ESC Y/N ENTER PAGE UP/DN - - ®	

EMPLOYEE# 1 PROGRAMMING
11. DEFAULT PRICE LEVEL
EDIT JOB CODES
EDIT PAY RATES
CLERK KEY 00000000000000000000000000000000
▼ ESC Y/N ENTER PAGE UP/DN - - ®

JOB CODE PROGRAMMING	
JOB CODE 1	BAR STAFF
JOB CODE 2	WAITRESS
JOB CODE 3	
JOB CODE 4	
JOB CODE 5	
JOB CODE 6	
▼ ESC Y/N ENTER PAGE UP/DN - - ®	

SAM4S PROGRAM RESET

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

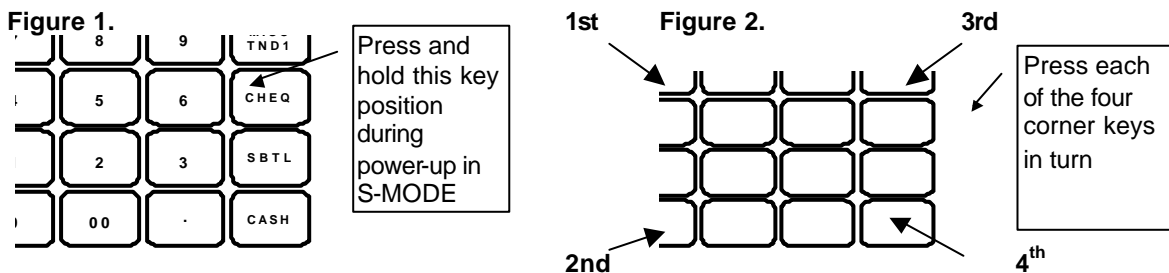
This procedure will reset the machine back to factory settings, ready to commence programming. There are two options for resetting; the first will load the default settings into the terminal, ready to commence programming.

MEMORY ALL CLEAR

- Turn the power switch located on the right side of the register to the **OFF** position.
- Turn the key lock to the **S-MODE** position (one position clockwise from the **PGM** key lock position).
- Press and hold the key position where the **CHEQUE** key is located on the default keyboard layout.
- Continue to hold the **CHEQUE** key whilst turning the power switch to the **ON** position. (see figure 1)
- Press each of the four corner keys
- **TOP LEFT**, **BOTTOM LEFT**, **TOP RIGHT**, **BOTTOM RIGHT** (see figure 2)

You will be prompted to load the default memory allocation, this is ideal for demonstrations as all defaults are set, and the terminal is immediately ready for feature programming.

The alternative is to answer no and you will be prompted to enter file sizes, ideal for setting up custom installations. The memory allocation options are explained following



MEMORY ALLOCATION DEFINITIONS

MEMORY ALLOCATION DISPLAY		L1
1. # OF PLU		00104
2. # OF PLU STATUS GROUPS		0010
3. # OF PRICE LEVELS PER PLU (1-4)		4
4. PLU REPORT BY PRICE LEVEL		Y
5. # OF EMPLOYEES		005
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
17. # OF WLU		10
18. # OF LINES PER WLU		10
19. # OF RECIPE		005
20. # OF INVENTORY INGREDIENT		015
21. # OF LINES FOR E.J.		00000
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
6. # OF TIME I/O PER EMPLOYEE		24
7. USE GROUP BY EMPLOYEE		Y
8. CHECK TRACKING METHOD	SOFT ?	
9. # OF TRACKING FILES (0-4)		2
10. # OF LINES PER TRANS.		035
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
22. # OF PAID RECALL TRANS.		03
23. KEYSTROKES# IN SUPER MACRO		20
24. STORE BITMAP		N
25. ANALYSIS 1 BY TIME PERIOD		Y
26. ANALYSIS 2 BY TIME PERIOD		Y
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
11. # OF LINES PER CHECK		030
12. MAXIMUM NUMBER CHECKS		
TRACK 1		00010
TRACK 2		00010
TRACK 3		00010
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
27. ANALYSIS 3 BY TIME PERIOD		Y
28. TRACK 1 BY TIME PERIODS		Y
29. TRACK 2 BY TIME PERIODS		Y
30. TRACK 3 BY TIME PERIODS		Y
31. TRACK 4 BY TIME PERIODS		Y
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
TRACK 4		
13. # OF TIME PERIOD (24/48/96)		24
14. # OF PRODUCT MIX GROUPS		005
15. PMIX TIME PROG# (24/48/96)		24
16. PROJECTIONS		N
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
32. CLERK INTERRUPT		Y
33. # OF MIX & MATCH		05
34. RPT SELECTION	Z1 Z2 Z3 Z4 Z5	
FINANCIAL	Y Y N N N	
EMPLOYEE	Y N N N N	
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
PLU	Y N N N N	
GROUP	Y N N N N	
GROUP BY TIME	Y N N N N	
TIME PERIOD	Y N N N N	
TIME KEEPING	Y N N N N	
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
MIX & MATCH	Y N N N N	
35. # OF CATEGORY (0-255)		000
36. # OF HOT LIST (0-999)		000
37. NV BUFFER (0-999999)		000000
38. CARD AUDIT MEMORY		000000
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DEFINITIONS

MEMORY ALLOCATION DISPLAY		L1
1. # OF PLU		00104
2. # OF PLU STATUS GROUPS		0010
3. # OF PRICE LEVELS PER PLU (1-4)		4
4. PLU REPORT BY PRICE LEVEL		Y
5. # OF EMPLOYEES		005
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
17. # OF WLU		10
18. # OF LINES PER WLU		10
19. # OF RECIPE		005
20. # OF INVENTORY INGREDIENT		015
21. # OF LINES FOR E.J.		00000
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
6. # OF TIME I/O PER EMPLOYEE		24
7. USE GROUP BY EMPLOYEE		Y
8. CHECK TRACKING METHOD	SOFT ?	
9. # OF TRACKING FILES (0-4)		2
10. # OF LINES PER TRANS.		035
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
22. # OF PAID RECALL TRANS.		03
23. KEYSTROKES# IN SUPER MACRO		20
24. STORE BITMAP		N
25. ANALYSIS 1 BY TIME PERIOD		Y
26. ANALYSIS 2 BY TIME PERIOD		Y
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
11. # OF LINES PER CHECK		030
12. MAXIMUM NUMBER CHECKS		
TRACK 1		00010
TRACK 2		00010
TRACK 3		00010
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
27. ANALYSIS 3 BY TIME PERIOD		Y
28. TRACK 1 BY TIME PERIODS		Y
29. TRACK 2 BY TIME PERIODS		Y
30. TRACK 3 BY TIME PERIODS		Y
31. TRACK 4 BY TIME PERIODS		Y
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
TRACK 4		
13. # OF TIME PERIOD (24/48/96)		24
14. # OF PRODUCT MIX GROUPS		005
15. PMIX TIME PROG# (24/48/96)		24
16. PROJECTIONS		N
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
32. CLERK INTERRUPT		Y
33. # OF MIX & MATCH		05
34. RPT SELECTION	Z1 Z2 Z3 Z4 Z5	
FINANCIAL	Y Y N N N	
EMPLOYEE	Y N N N N	
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
PLU	Y N N N N	
GROUP	Y N N N N	
GROUP BY TIME	Y N N N N	
TIME PERIOD	Y N N N N	
TIME KEEPING	Y N N N N	
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DISPLAY		L1
MIX & MATCH	Y N N N N	
35. # OF CATEGORY (0-255)		000
36. # OF HOT LIST (0-999)		000
37. NV BUFFER (0-999999)		000000
38. CARD AUDIT MEMORY		000000
REMAINING MEMORY	1049924BYTES	
▼ ESC PAGE UP/DN		

MEMORY ALLOCATION DEFINITIONS

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 (1 - 4)

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 Y=SOFT / N=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.

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.

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.

OF LINES PER TRANS

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.

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.

MEMORY ALLOCATION DEFINITIONS

OF TIME PERIOD (24/48/96)

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

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.

PMIX TIME PRDS# (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.

PROJECTIONS

The product mix usage per time period can be used for defined weekly projections of product usage determining how many of each group have been used per day of the week over four weeks. This is in addition to the normal product usage, analysis report.

OF WLU (Window Look Up Units)

This is the maximum number of window look-up menus available for PLU, Condiment and Function keys.

OF LINES PER WLU (Window Look Up Units)

This is the maximum number of items available for selection within one window.

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

OF KEYSTROKES IN SUPER MACRO

This is the number of keystrokes which can be stored in the terminals log file before wrap round reporting begins. This is not related to the normal macro functions keys of which there are 40 with 50 keystrokes

STORE BITMAP

This provides an area for receiving and printing a PC designed graphic logo. Bmp file

ANALYSIS 1 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

MEMORY ALLOCATION DEFINITIONS

ANALYSIS 2 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

ANALYSIS 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.

CLERK INTERRUPT

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

OF MIX AND MATCH TABLES (MAX 200)

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.

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.

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

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

When using the Smartcard customer loyalty system, the transactions and relevant card options are stored in the Smartcard reader. In order to collect the audit sales from the reader to PC it is necessary to first load them into the cash register audit memory using this file area. This area is also used for storing received hot list records before transmitting to the reader. The X mode menu provides the upload and download smart card reader options.

SAM4S KEYBOARDS

- *There are five levels of programmable keyboards*
- *The keyboard levels can be changed at a specific time on a specific day of the week*
- *Employees can be allocated with a keyboard level active the moment they sign on*

DEFAULT KEYBOARD

The *SER-7xxx* keyboard is programmable; it is possible to design a keyboard that fits the environment

NOTE: - IT IS RECOMMENDED THE FOLLOWING KEYS BE PLACED ON THE KEYBOARD

Numeric Keys **0-9**
Y/N

Cursor Control Keys - **← →** **®**
ENTER

CL/ESC
DONE

PAGE UP/PAGE DN
X/TIME

THE 7040 FACTORY DEFAULT KEYBOARD IS SHOWN BELOW.

RCPT FEED	DETL FEED	RCPT ON/OFF	37	47	57	67	77	87	97	107	CLERK SIGN ON	CLERK 1	CLERK 2	CLERK 3	CLERK 4
9	18	27	36	46	56	66	76	86	96	106	CHECK #1 NO.	TABLE NO.	GUEST NO.	CHECK #1 HOLD	PRINT CHECK
8	17	26	35	45	55	65	75	85	95	105	MENU LEVEL 2	YES/NO	ENTER	DONE	LIST CHECK #1
7	16	25	34	44	54	64	74	84	94	104	MENU LEVEL 1	PAGE UP	UP	PAGE DOWN	PAID RECAL
6	15	24	33	43	53	63	73	83	93	103	PRICE LEVEL 2	LEFT	DOWN	RIGHT	#NO. SALE
5	14	23	32	42	52	62	72	82	92	102	PRICE LEVEL 1	CLEAR	PLU	X/TIME	RECPT ISSUE
4	13	22	31	41	51	61	71	81	91	101	REFUND ITEM	7	8	9	MISC TEND 1
3	12	21	30	40	50	60	70	80	90	100	VOID ITEM	4	5	6	CHEQ
2	11	20	29	39	49	59	69	79	89	99	REC'D MONIES	1	2	3	SUBTL
1	10	19	28	38	48	58	68	78	88	98	RD MONIES	0	00	.	CASH

THE 7040 FACTORY DEFAULT KEYBOARD IS SHOWN BELOW.

RCPT FEED	DETL FEED	RCPT ON/OFF	RCPT ISSUE	CLERK #	MDSE RETURN	VOID ITEM	CANCEL	PROMO	WASTE	NOT FOUND	PRICE CHANGE	ALPHA TEXT	%1	%2
		()	()	&	-	A	B	C	D	E	F	G	H	I
↑	↓	X/TIME	PLU No. /	CLEAR			5		10		15		RECVD MONIES	PAID MONIES
←	→	7	8	9		J	4	K	9	L	14		#/NO SALE	PAID REC ALL
PAGE UP	ENTER	4	5	6		O	3	P	8	Q	13		MISC1	CHEQUE
PAGE DOWN	YES/NO €	1	2	3		T	2	U	7	V	12		SBTL	
DONE	PRICE ENQ. £	0	00	.		Y	1	Z	6	SPACE	11		CASH	
						BOLD		CAPS		BACK				

ALPHA KEYBOARD

ALPHA CHARACTERS

It is possible to program characters using the keyboard layout shown below or alternatively using character codes. As default the character keyboard is used, with alpha codes selected within the system options.

The key layout of the Alpha Keyboard Overlay is shown below:

THE 7000 FACTORY DEFAULT KEYBOARD IS SHOWN BELOW.

RCPT FEED	DETL FEED	RCPT ON/OFF	-	+	|	{	}	:	"	=	CLERK SIGN ON	CLERK 1	CLERK 2	CLERK 3	CLERK 4
!	@	#	\$	%	^	&	*	(	)	-	CHECK#1 NO.	TABLE NO.	GUEST NO.	CHECK#1 HOLD	PRINT CHECK
Q	W	E	R	T	Y	U	I	O	P	\	MENU LEVEL 2	YES/NO	ENTER	DONE	LIST CHECK#1
A	S	D	F	G	H	J	K	L	;	'	MENU LEVEL 1	PAGE UP	UP	PAGE DOWN	PAID RECLL
Z	X	C	V	B	N	M	,	.	/	<	PRICE LEVEL 2	LEFT	DOWN	RIGHT	#/NO. SALE
CAPS	SHIFT	BOLD	S	P	A	C	E	BACK	?	>	PRICE LEVEL 1	CLEAR	PLU	X/TIME	RECPT ISSUE
								:	[	]	REFUND ITEM	7	8	9	MISC TEND 1
								¼	½		VOID ITEM	4	5	6	CHEQ
								€			RECVD MONIES	1	2	3	SUBTL
					£	¥	PT	f			PAID MONIES	0	00	.	CASH

THE 7040 FACTORY DEFAULT KEYBOARD IS SHOWN BELOW.

RCT FEED	DETAIL FEED	(	)	&	-	A	B	C	D	E	F	G	H	I
↑	↓	X/TIME	/	CLEAR		J		K		L			M	N
←	→	7	8	9		O		P		Q			R	S
PAGE UP	ENTER	4	5	6		T		U		V			W	X
PAGE DOWN	€	1	2	3		Y		Z		SPACE				
DONE	£	0	00	.		BOLD		CAPS		BACK				

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