



**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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## GETTING STARTED

# REGISTER CONTROLS – MODE LOCK



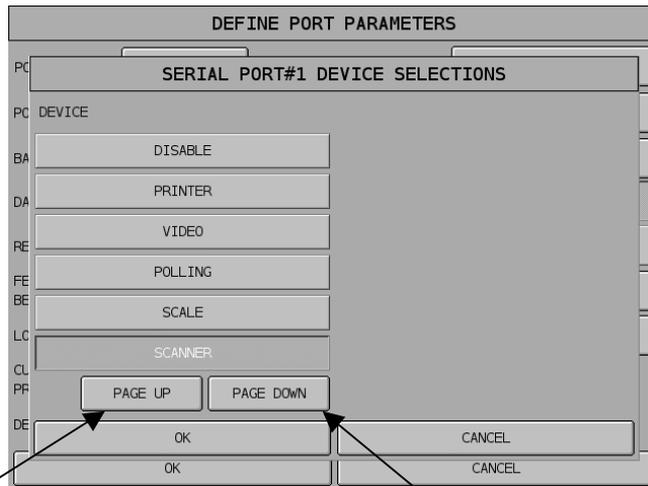
## Positions Accessible

By using the tabs at the top of the screen different modes are available. PROGRAM mode and SERVICE mode are password protected but this can be changed in SERVICE mode – PASSWORD.

- REG** This is the default position for all transactions and normal cash register use
- REP** This position is used to take, read and reset different reports.
- PGM** This is the main position for programming the cash register
- S MODE** This mode should only be used by the system supplier! as any changes could make the register inoperable.

## Page Up And Down

The **PAGE UP** and **PAGE DOWN** buttons are displayed when there is information that can not be shown on a single screen.



Press **PAGE UP** to view the information above what is currently displayed.

Press **PAGE DOWN** to view the information below what is currently displayed.

# DISPLAY MESSAGES

---

## **Amount Required**

This operation requires an amount entry.

## **Bad Value**

The number's entered is incorrect for the task being performed.

## **Buffer Full**

The buffer for soft check, hard check, or buffered receipt has reached capacity. For hard checks, the operator must press the SERVICE key to print the items and clear the buffer. The operator must then pick up the previous balance again in order to continue with finalization. In a soft check environment, this message will appear when the check has reached capacity (maximum lines stored). The register will require the sale to be finalized with the option of printing a bill if required.

## **Buffer Empty**

An operation has been attempted where no information exists, for example the opening of a window look up that has nothing to display, the attempt to transfer a check, which contains no information etc.

## **Busy**

Destination register is busy (pre poll memory is in use). Requires a clear command from the P.C. or Register using the s-mode menu.

## **Bad Command**

The key sequence entered is not a valid operation.

## **Cash Declaration Required**

Cash declaration has been programmed as compulsory, and must first be performed before reports

## **Cash-In-Drawer Limit Exceeded**

The programmed Cash-In-Drawer limit has been exceeded.

## **Check# Is Assigned Automatically**

The operator has attempted to open a new guest check by assigning a check number. The register has been programmed to generate its own check numbers.

## **Check# Required**

This register has been programmed to force check number entry to begin a transaction. An existing guest check must be recalled, or a new one started.

## **Condiment Required**

This PLU has been programmed to require a condiment entry.

## **CRC Error**

An error has occurred in the block check sum while transferring data in IRC mode.

## **Duplicate**

This check already exists. May also apply to secret code programming.

## **Analysis 1/Analysis 2/Analysis 3**

This operation is set for compulsory entry of one of the three analysis keys.

## **Enter Employee Code**

A registration has been attempted without entering the employee number.

# DISPLAY MESSAGES

---

## **Enter Employee #**

The employee is required to sign on before performing a task.

## **Enter Guest Count**

The operator must enter the number of guests when opening a guest check, or beginning a sale.

## **Enter Seat#**

Seat number entry is required before operation can continue.

## **Enter Table#**

Table number entry is required to open a guest check, or begin sale.

## **Entry Required**

The function selected from the WLU requires a numeric entry, i.e. an open percent discount.

## **Error**

General error message, indicating mis-operation

## **Error Jam**

Receipt / journal printer jammed message. Remove the paper jam.

## **Table Number In Use**

The system is programmed to allow only one check number per table, and an attempt has been made to use the same table number twice.

## **Halo Over**

The amount entered exceeds the programmed HALO i.e. the task exceeds the maximum amount allowed.

## **Illegal Key Sequence**

The operator has used an illegal key sequence.

## **In Use**

This guest check or clerk number is already open elsewhere in the system. This is also applicable when the floating clerk system is activated and the operator is in use on another terminal.

## **Inactive**

The key pressed is inactive. This message also appears if VOID Mode has been disabled.

## **Input Qty**

Quantity input is required for a condiment WLU

## **Kitchen Printer Failure**

The kitchen printer has failed to respond. Printing has been re-routed to the designated back-up printer

## **Manager Override Required**

The key lock should be moved to the X-Mode position in order to override a HALO amount, or other restriction.

## **Manager Required**

This operation requires the key to be turned to the X position.

# DISPLAY MESSAGES

---

## **Memory Full**

Memory is full, whilst attempting a register sale.

## **Negative**

This sale has gone negative. Negative sales are programmed as not allowed.

## **No Check #**

This message appears when the system cannot find the guest check number.

## **No Data**

The PLU code accessed does not exist, shown in program mode during stock entry etc. It is recommended that the PLU is programmed.

## **No Drawer**

The employee currently signed on is not assigned to a drawer, and is not allowed to perform cash sales, or the drawer is no longer attached and is required in order to continue.

## **No Manual Entry**

Manual entry is not allowed (scale function).

## **No Paper**

Slip printer is out of paper, appears when printing to a loose-leaf printer.

## **No PLU**

The number entered is not a valid PLU. This message will also appear if a PLU number "built" using modifier keys recalls an invalid PLU number.

## **Non add# required**

This operation requires the entry of a Non-Add number to fulfill the compulsory requirements.

## **Not Discountable**

The preceding entry is not discountable; the product is not available for discounting.

## **Not Programmed**

This key has not been programmed

## **Not Ready**

Remote printer is not ready for printing tasks, check the printer status.

## **Not Zero**

Displayed when trying to delete a PLU that still has sales counts and stock amounts. The PLU must first be reset and cleared from all Z Mode reports.

## **Off Line**

IRC communications have gone off line, check the cable network.

## **Open Drawer**

The register has been programmed not to operate with the cash drawer open, close the cash drawer.

## **P/Bal Required**

This register has been programmed to require a previous balance entry.

# DISPLAY MESSAGES

---

## **Paper End**

The guest check printer has reached the end of the form, or the Receipt/Journal paper is at, or near, the end of its roll.

## **Range Over**

The number entered is out of range.

## **Remove Paper**

Validation is complete and the paper must now be removed.

## **Sequence Error**

The preceding key sequence is not allowed.

## **Single Item**

This PLU has been programmed as a single item PLU and cannot be used within a sale.

## **Subtotal Required**

The SUBTOTAL key must be depressed before continuing.

## **System Error**

The register procedure attempted is not allowed, due to the fact the program code has not been set. For example, opening of a check or clerk, where the service mode system option has not been set to determine the register storing the sales data, correctly enter the required program codes.

## **Tare# Required**

This PLU/scale item requires a tare (package) weight entry.

## **Tray Subtotal Required**

This prompt appears while in a TRAY SUBTOTAL transaction. The operator must first press the TRAY SUBTOTAL key before pressing any tender keys.

## **Validation Required**

This operation requires the valid function key to be pressed to complete the compulsory settings.

## **Waste Required**

The operator is in the middle of a waste operation, and must depress the WASTE key in order to complete the operation.

## **Wrong Employee**

The employee attempting to open this guest check is not the person who started the sale. Also appears when attempting to sign on a new employee without first signing the current employee off, if overlap employee is not programmed. Enter the correct employee code.

## **Sign Off Required**

In order to complete this sequence the operator must sign off from the register.

## **Zero Amount**

The register has been programmed to not allow negative sales.

# DISPLAY MESSAGES

---

## **Price Level Mismatch**

The price level attempted in the sale, is not allocated to the PLU, check the price levels set against the PLU programming

## **Override Not Allowed**

The clerk has attempted a manual numeric entry such as manual PLU price, but has been disallowed within the system settings program option.

## **Wrong Sequence**

The attempted key sequence is incorrect

## **Wrong Command**

The attempt command sequence is invalid for this operation

## **Wrong File Number**

The file number accessed is incorrect, for example when sending program IRC this may be printed if two file sizes are not identical.

## **Wrong Itemiser**

An attempt has been made to print a report for sales totals that do not exist, for example an attempt to print a Z2 report when only Z1 has been allocated in memory.

## **Under Tender Not Allowed**

An attempt to pay the sale with a value less than the subtotal has been made against a tender key. Tender the exact amount or more than the subtotal value

## **Over Tender Not Allowed**

An attempt to pay the sale with a value greater than the subtotal has been made against a tender key. Tender the exact amount or less than the subtotal value

## **Check Tracking Error**

An attempt to access one of the four check tracking files has failed, either the service mode option, has not been set to determine which register is storing the check tracking data, or within register the check has been accessed using one check tracking file and an attempt to store against another is made.

## **Using**

The check or clerk number is in use on another register.

## **PLU Not Allowed**

The PLU has been programmed as disallowed in the key sequence

## **Condiment PLU Not Allowed**

An attempt to sell a condiment PLU without first selling the main product has been made.

## **Non Condiment PLU Not Allowed**

The last PLU sold, was programmed to enforce the sale of a condiment PLU, and the next product was not a condiment-flagged item.

## **Function Key Not Allowed**

The function key attempted is not allowed as part of this key sequence.

## **This Key Is Not Allowed**

An invalid key press has been attempted.

## **No Function Key**

An attempt to recall a function that is not a designated function key has been made.

# DISPLAY MESSAGES

---

## **No Programmable Key**

An attempt to re-program a fixed function key has been made.

## **X/Time Required**

The x/time function is required during the present key sequence.

## **Time In Required**

The register has enforced time clock entry before registration. The time clock entry must be completed before sales can be made.

## **Sign On Required**

The register, requires the entry of an employee number.

## **Memory Not Allocated**

The file attempted to be utilised has no corresponding memory allocation.

## **This Emp Rpt Must Be Cleared**

The employee report must be reset within the Z mode position before continuing.

## **Error Status**

The program status of the attempted function or item is incorrect set, this must be re-programmed before the item can be successful used.

## **Error Value**

The value entered is not acceptable for this procedure.

## **Error System Option**

The programmed system options are set incorrectly for the attempted procedure. For example a check or clerk access has been attempted and the register storing the data has not been set within the service mode options.

## **Error Employee**

The employee number settings are incorrect for the attempted procedure, or an attempt to change the employee mid operation has been made.

## **Error Table No**

The table number entered is not valid during the present procedure, enter an alternative table number

## **Scale Motion**

The attached scale, position should be checked.

## **Over Weight**

The item currently weighed is greater than the accepted weight.

## **Under Weight**

The item currently weighed is less than the accepted weight.

## **Promo Not Allowed**

The promotion function key has been disallowed for the current product or procedure

## **Waste Not Allowed**

The wastage function key is not allowed during the current operation.

## **Decimal Entry Not Allowed**

The decimal function is used for multiplication entries, an attempt has been made to use the decimal key within an incorrect sequence.

# DISPLAY MESSAGES

---

## **Split Pricing Not Allowed**

The multiplication key has the ability to carry out fractional entries, for split pricing, this feature is not allowed during this current operation or has been disabled

## **Void Mode Is Deactivated**

Access to the void mode has been restricted within the program system options.

## **Job Change Required**

The current clocked on job code, is required to be changed using the time clock entry.

## **Job Code Change Not Allowed**

The job code change attempted during the time clock procedure is not allowed.

## **Push Button Entry Required**

The employee sign on has been attempted without using the EMPLOYEE 1 – 10 push button functions.

## **Tendering Is Not Allowed**

Sale finalization using a tender key has been attempted, however the procedure is disallowed during the current operation.

## **Over Regular Hours Per Week**

The employee time logged onto the system is over the predefined number of hours per week.

## **Must $\leq$ Line# Per Transact**

An attempt to enter the number of lines per check greater than the number of lines per transaction has been made during memory allocation programming.

## **Must $\geq$ Line# Per Soft Check**

An attempt to enter the number of lines per transaction less than the number of lines per check has been made during memory allocation programming.

## **No Stock PLU**

The product selected for stock maintenance has not been defined as an inventory PLU within the PLU status group settings.

## **Negative Card**

It is not possible to enter a negative balance to the smart card.

## **Linked Status Required**

The product requires a status group program setting.

## **Error – Slip Paper**

The paper should be inserted into the external loose-leaf paper printer before attempting this operation.

## **Local Printer Required**

This procedure requires the programming of a printer physically connected to the register.

## **Mode Error**

The mode lock key has been changed mid operation, return to the correct mode position.

# DISPLAY MESSAGES

---

## **Set Date & Time Is Deactivated**

The option to program the date and time has been disabled within the program settings.

## **Employee Should Be Different**

The employee entered to complete the sequence should not be the same as the employee Signed on.

## **Transfer Not Allowed**

The attempt to transfer a check or clerk balance is not allowed at during the present operation.

## **Req Gallonage Amount**

The product to be sold is programmed as a gallonage product and therefore requires the entry in gallonage format.

## **Available Only In Check**

The attempted operation is only available when a check number is open and in use.

## **Split This Item Is Not Possible**

Split pricing or split bill procedure has been attempted against a product which has this option disallowed.

## **Function Key Not Included**

The function key selected is not allowed within this operation.

## **Error Post Tender**

The post tender operation allows the calculation of change for a paid sales, this feature has been disabled or operated incorrectly.

## **No Tracking Data In This Reg**

An attempt to clear the check tracking sales data has been made from a register which is not set within the service options to store the check tracking data.

## **No Time Keep Data In This Reg**

An attempt to clear the employee time keeping data has been made from a register which is not set within the service options to store the time clock data.

## **Multiplication Limit Exceed**

The value entered is greater than the programmed multiplication maximum limit.

## **Tab Of Field 2 Too Big**

The value entered during the programming of non PLU's (price inclusive barcodes) is incorrect.

## **Non PLU Code Range Over**

The program value entered during non PLU's (price inclusive barcodes) has been entered incorrectly.

## **Tare Entry No Allowed**

The attempt to enter the weight of packaging against a product is not allowed during the current operation.

## **Misc Tend Required**

The miscellaneous tender function key is required as the next key sequence.

## **Same Check Track Required**

The register allows the operation of four check tracking files, the opening and closing of the balance should be carried out on the same check type function key. An attempt has been made to open a balance using one check type function and closed on another.

# DISPLAY MESSAGES

---

## **Not Scaleable PLU**

Registration of a PLU not set as scalable has been made, the correct product type should be sold

## **EJ Buffer Full**

The electronic journal memory of transactions, has reached the maximum limit set within the memory allocation, the report should be reset.

## **Must Be Start<=End In Range**

When entering a range, the end of the range must be greater than the starting value

## **Range Overlap**

The range entry for reporting or programming is incorrect.

## **Final End Should Be 9 Or 99**

The ending value has been entered incorrectly re-enter with either a 9 or 99

## **Not PLU**

The key selected for the sequence is the incorrect type, re-select a PLU key

## **Not WLU**

The key selected for the sequence is the incorrect type, re-select a WLU key

## **Print Key Required**

During registration the print key has been pressed in order to send none kitchen print items to the order printer, press the Print key again to finalize the key sequence.

## **Surcharge Not Allowed**

The sale has been restricted preventing the addition of an amount during the current procedure

## **Decimal Entry Required**

The current sequence requires the entry of a decimal amount

## **System Reg# Required**

The current operation must be carried out on the register set within the service option to store the check tracking / clerk interrupt and other balance data.

## **Training Emp File# Required**

The attempt to print a training report, or access clerk training operations is not possible unless the training clerk settings have been allocated within the program mode system options

## **Time In/Out Reg# Required**

The time in / out function can not be operated until the service mode settings have been programmed to determine the register storing time clock sales

## **Check Tracking Reg# Required**

The check tracking function can not be operated until the service mode settings have been programmed to determine the register storing the check tracking sales

## **Electronic Journal Inactive**

The electronic journal report cannot be printed unless activated within the program mode

# DISPLAY MESSAGES

---

## **Cheque Endorsement Required**

The cheque key has been programmed to force endorsement printing to an external printer, the cheque endorsement function must be pressed to complete the procedure

## **EFT Terminal Trans Key Error**

The function programmed for credit key payment is not operational

## **Card error**

The EFT or smartcard is not operating correctly, there is a problem with the card

## **Printer Off Line**

The printer is powered off or out of paper, correct the problem and then select retry

## **Kv Off Line**

An attempt to display the sale on a kitchen video has failed, re-check the cable and settings

## **No Relocatable Key**

The function is not re-programmable as it is a fixed key

## **Clerk Key Error**

The clerk key lock has been mis-operated, insert the correct key or check the clerk lock.

## **Enforce Actual Inventory**

The actual stock quantity is required as compulsory during this operation

## **Authority Level Not Linked**

The employee currently signed on is not set with the correct authority options

## **Weight Is Zero**

The weight of the current item is zero, re-attempt the operation.

## **Stock Is Not Zero**

The stock level of the current product is not set to zero, therefore the attempted procedure is not allowed.

## **Clear Can Not Be Removed**

The function key cannot be moved or re-programmed; this is a fixed key position

## **Enter Can Not Be Removed**

The function key cannot be moved or re-programmed; this is a fixed key position

## **Yes/No Can Not Be Removed**

The function key cannot be moved or re-programmed; this is a fixed key position

## **This Numeric Can't Be Removed**

The function key can not be moved or re-programmed, this is a fixed key position

## **Incorrect Code**

The value entered is not correct for the current operation, re-enter the correct value.

## **Soft Check Only**

This function can only be used if the memory allocation is set for soft check tracking.

## **Inactive PLU**

The PLU selected has been programmed as inactive.

# DISPLAY MESSAGES

---

## **Multiple Disc Not Allowed**

The system settings have been changed to disallow more than one discount per transaction.

## **New Check Opened**

The system has opened a new check number. It is possible to use either the New check or check # function keys to create a new check

## **No More Split Tender Allowed**

The system has prohibited the partial payment of a sale value, using multiple tender keys.

## **Check Pole Display**

The pole display connection has failed, re-check the connection

## **Must Max Non Tax <= Brk Pnt 1**

The tax programming entry for USA tax breaks has been entered incorrectly

## **Must Brk Pnt N<=Brk Pnt N+1**

The tax programming entry for USA tax breaks has been entered incorrectly

## **Not Allowed With Open Orders**

The system program options have been set to prevent reporting when an open balance exists, close all balances before attempting the report

## **Now Polling!**

The register is currently connected to the computer

## **Incorrect Tare Weight**

The package weight (tare) has been incorrectly entered for the product

## **Void Promo First**

The sale consists of a promotion item, in order to void the selected product you must first void the promotional item

## **Multiple Receipts Not Allowed**

The system has been programmed to disallow printing of multiple post sale receipts

## **Mix And Match Error**

The product sold has an incorrect mix and match link, or the linked mix and match number has not been programmed

## **Clerk Interrupt Error**

The clerk interrupt program options are incorrectly set, or an invalid register operation has been attempted

## **Check Opened No Data**

The check number entered has no sales data

## **No Clerk Buffer In This Reg**

The clerk sales data are held on another register within the network as set within the service options.

## **Not Allowed With Open Clerks**

The procedure can not be completed whilst there are sales against a clerk, finalize all outstanding sales, then print the report

# DISPLAY MESSAGES

---

## **Not Enough Money**

A sale finalization has been attempted for a smart card which has insufficient funds

## **Amount Too Big**

The value entered to be added to the card, will reach the cards preset maximum limit

## **Card Not Present**

The card should be inserted in the card reader

## **Card Problem**

The smart card cannot be read, there is a problem with the card

## **Wrong Purse**

The smart card allows two purse, one for cash balances, and one for daily allowance. There has been an attempt to write or read data from the wrong purse

## **Card Not Open**

The smart card information has not been recalled successfully for the sale, re-attempt the procedure

## **Card Expired**

The smart card currently in the reader is past the programmed expiry date. The sales will be refused until the expiry date on the card is changed or a new card is issued.

## **Card Hot listed**

An attempt to amend or use a hot listed smart card has been made. The card must be deleted from the hot list before a successful smart card operation can be carried out.

## **Not Allowed**

The attempted sequence is invalid or has been disallowed within the program options

## **Card Present**

There is a card in the smart card reader, this should be removed

## **Device Already Opened**

The device has already been opened.

## **Device Open Error**

The device is unable to open due to an error.

## **Password Error**

The Password entered is incorrect.

## **Nothing Selected**

No selection had been made.

## **Invalid SD Card**

The SD card being used is the wrong format or is not working correctly.

## **Reset Report?**

This is shown after a report has been displayed or printed. With an option of Yes or No

# DISPLAY MESSAGES

---

## **Choose Irc Reporting**

IRC reporting has to be selected for the desired report to be printed

## **Please Check Sd Card**

The SD card may be full or not inserted correctly

## **MCR Required**

Magnetic card reader required.

## **File Not Found**

The requested file has not been found.

## RESET PROCEDURES

# ERROR CLEAR PROCEDURE

---

The initial clear function allows you to exit any register activity and return to a beginning or cleared state, any transaction in progress will be exited and totals for that transaction are not updated.

Here are some reasons you may want to perform an initial clear:

- The register is in an unknown state, and you wish to exit the current program or transaction without following normal procedures.
- You have performed a function that includes a compulsory activity, such as validating or printing, and you wish to bypass the compulsory activity.
- An initial clear may be necessary as part of servicing, or troubleshooting an SPS-2000 register or system.

Contact your SAM4S dealer first if you have questions about operating or programming your SPS-2000

---

## To Perform An Init Clear

- Turn the power switch located on the bottom right side of the register to the **OFF** position.
- Then turn the power back to the **ON** position.

# PROGRAM RESET – MEMORY ALL CLEAR

---

**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.

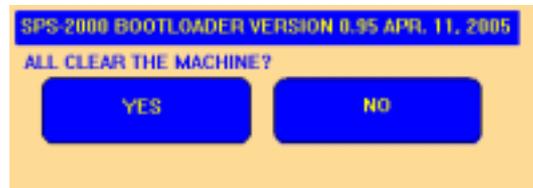
**Note:** Changing any memory allocation options after programming would result in resetting the terminal.

## 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

---

The memory allocation defines the maximum number of file sizes, Once set the options **can not be changed** without memory all clearing again.

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)					4
4. PLU REPORT BY PRICE LEVEL					NO
5. # OF EMPLOYEES					005
6. # OF TIME ENTRIES PER EMPLOYEE					08
7. USE GROUP BY EMPLOYEE					YES
8. CHECK TRACKING METHOD					SOFT

REMAINING MEMORY IS 3545984 BYTES

OK CANCEL

## # Of PLU

This is the maximum number of PLU's (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 PLU's and are required by the system.

## # Of PLU Price Levels (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 Entries 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

---

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS		3545984 BYTES			
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
9. # OF TRACKING FILES (0-4)					2
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 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.

# MEMORY ALLOCATION - DEFINITIONS

MEMORY ALLOCATION PROGRAMMING					
REMAINING MEMORY IS	3545984 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	NO				
17. # OF RECIPE	005				
18. # OF INVENTORY INGREDIENT	015				
19. # OF LINES FOR ELECTRIC JOURNAL	00000				
20. # OF PAID RECALL TRANSACTIONS	03				
21. CLERK INTERRUPT	YES				
OK		CANCEL			

## # Of Product Mix Time Period (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 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 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 enabling more than one operator to use the terminal at one time.

# MEMORY ALLOCATION - DEFINITIONS

The image displays two screenshots of the 'MEMORY ALLOCATION PROGRAMMING' dialog box. Both screenshots show 'REMAINING MEMORY IS 3545984 BYTES' and a header with 'OPTION#1' through 'OPTION#6'. The left screenshot shows options 22 through 28, each with a 'YES' or 'NO' button. The right screenshot shows the 'REPORT SELECTION TABLE' with checkboxes for various report categories across five time periods (Z1-Z5).

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					NO
28. TRACK 4 BY TIME PERIODS					NO

OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
29. REPORT SELECTION TABLE					
FINANCIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EMPLOYEE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GROUP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GROUP BY TIME PERIOD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TIME PERIOD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TIME KEEPING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MIX & MATCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 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

## 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.

## 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		3545984 BYTES			
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5	OPTION#6
30. # OF PROMOTION TABLE					005
31. # OF CATEGORY (0-255)					000
32. # OF HOT LIST (0-999)					000
33. # OF ITEMS FOR PROMOTION TABLE(0-99)					10
34. BITMAP NV BUFFER(0-999999)					000000
35. CARD AUDIT MEMORY					000000
OK			CANCEL		

## # Of Promotion Table (Mix And Match Table)

This is the maximum number of promotion tables that can be used.

## # Of Items for Promotion Table (Mix And Match Table)

This is the maximum number of items that can be used in a promotion table.

## Bitmap Nv Buffer (0 – 999999)

The system has the ability to print graphics logos to the internal printer, these are downloaded from the PC then 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. These images can be either stored directly in printer or sent to the register, stored within this file area and then sent to the printer. This is advantageous in situations where the images change on a regular basis.

---

**CAUTION:**

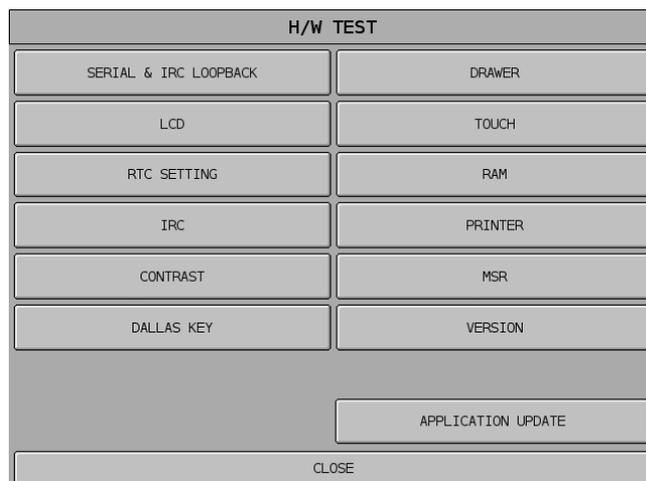
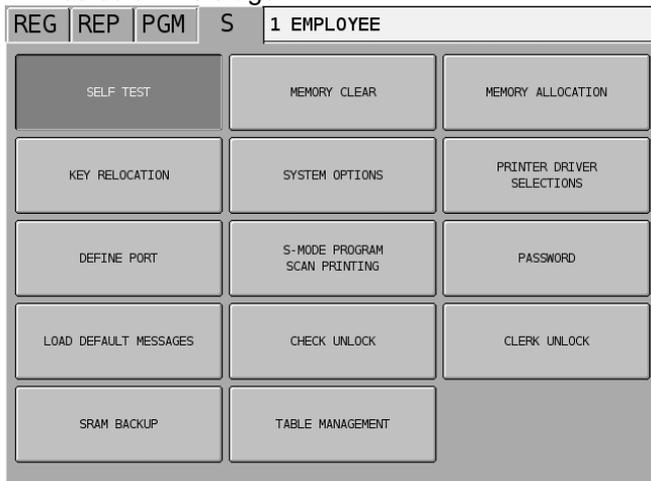
S-Mode functions are reserved for system providers who set-up and service your SPS-2000 system.

Many S-Mode functions, including memory clearing and memory allocation, will cause significant damage or loss to the user if they are performed without first backing up register data.

---

# SELF TESTS

The following procedures are used to perform diagnostic tests on the terminal. The integrity of peripherals are tested at this stage.



## Serial & Irc Loop Back

This is a diagnostics test for the serial port. Special Loop back connections are required.

## Drawer

This will test the opening of the cash drawers.

## Rtc Setting

This is the real time clock setting for the service mode.

## Ram

This will test both reading and writing of the Random access memory.

## Irc

This will test the Ethernet inter register communication, helping to determine that all terminals are connected.

### Register # Setting

- This re-programs the terminal's register number

### Internal Loop Back Chip

- This tests the integrity of the internal loop back chip

### Internal Loop Back Driver

- This tests the terminals drivers

### External Loop Back

- This tests the loop back communications externally. (With a loop back tool)

### IRC System

- This tests the Inter Register communications network and is useful

## Printer

This will test any printer device connected to each of the seven output ports

## Version

This will check and display the current operating version and available the number of products used out of the maximum number available, also showing the number of program initialisations preformed also the number of power failures on the terminal.

## Lcd

This will test the registers display

## Touch

This will allow you to calibrate the touch screen and also test it.

## Dallas Key

This tests the Dallas key.

## Contrast

This changes the contrast of the screen.

## MSR

This tests the Magnetic Card Reader data.

# SALES MEMORY CLEAR

The following procedure allows resetting of all sales totals, and the deleting of the PLU program file.

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		

S-MODE MEMORY CLEAR		
1. RESET ALL TTLS, CNTS & GRAND TTLS	2. CLEAR TOTALS AND COUNTERS	3. CLEAR GRAND TOTALS ONLY
4. CLEAR ORDER TRACKING#1	5. CLEAR ORDER TRACKING#2	6. CLEAR ORDER TRACKING#3
7. CLEAR ORDER TRACKING#4	8. CLEAR PAID ORDER RECALL	9. CLEAR PRODUCT PROJECTIONS
10. CLEAR TIME-KEEPING	11. CLEAR CLERK INTERRUPT	12. CLEAR PRE-POLL STATUS FLAG
13. CLEAR PLU FILE	14. CLEAR ELECTRONIC JOURNAL	15. CLEAR CONSECUTIVE#
CLEAR ALL (1-11)		RESET GLOBAL ORDER#
CLOSE		

## Reset All Ttls, Cnts & Grand Ttls

This will remove any sales from the reporting memory, clearing all totals, including grand totals

## Clear Totals And Counters

This will clear all sales totals from the reporting memory, excluding grand totals.

## Clear Grand Totals Only

This will clear all grand totals.

## Clear Order Tracking 1 - 4

This will clear the open checks, setting the balance to zero. The PLU sales are still retained for that check on the financial and product reports. This must be done on the terminal, which holds the check tracking data set by S-mode options.

## Clear Paid Order Recall

This is reset the memory for displaying paid transactions, the information will begin storing again.

## Clear Product Projections

This will reset any information held in the product mix, sales projection files, which store the product usage, period projection analysis.

## Clear Time-Keeping

This will reset employee time clock information, remove all hours worked totalisers and labour costing.

## Clear Clerk Interrupt

This will remove any sales currently open against an employee.

## Clear Pre-Poll Status Flag

If PC collection fails the data is stored in the pre-poll area, and no PC collections can be made until cleared

## Clear PLU File

This will remove all programmed PLU's from the file, leaving on the basic program

## Clear Electronic Journal

This will reset all sales data held within the electronic journal without printing.

## Clear Consecutive#

This will reset the receipt consecutive number

## Clear All 1-11

This will clear all sales totals as shown above in options 1 –11

## Reset Global Order#

This will reset the global order number back to zero

# KEY SELECTION

The system has two hundred screen pages which are programmed and operated independently. The following describes the programming procedure and each function key.

REG	REP	PGM	S	PAUL
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				

SCREEN DESIGNER									
JOHN	PAUL	KAYL EIGH	JAKE	EMPL OYEE	0. MAIN SCREEN				
    					FUNCTION LIST STATUS PGM				
RECALL TAB	STORE TAB	ALPHA TEXT	LIST TABS	ADD CHECK	SELECT KEY/IMAGE FONT SIZE				
STARTERS					MAINS				
DESSERTS					APPLY TO ALL SCREEN				
RECALL TABLE	STORE TABLE	LIST TABLES	SEAT #	PRINT CHECK	APPLY				
CANCEL	VOID ITEM	HAPPY PRICE	NORMAL PRICE	10% TIPS	BUTTON COLOR				
BUTTON TYPE					<input type="checkbox"/>				
SPLIT PAY	RECEIPT	RCPT ON/OFF	PAID RECALL	PAYMENT SCREEN	RESET				
CLOSE									

# KEY SELECTION

## PLU Key

This allocates PLU product number keys to the screen. This will provide touch of the button entry for selling products. There are a maximum of 200 screens available each of which can have either the same product information or completely different product codes.

KEY SELECTION			
DESCRIPTOR	FUNCTION	PLU	SCREEN No.
DEFAULT DESC	000000000000000001-BECKS		
	000000000000000002-HOLSTEN		
	000000000000000003-JOHN SMITHS		
	000000000000000004-KIRIN		
	000000000000000005-GUINNESS		
	000000000000000006-CASTLEMAIN		
	000000000000000007-WOODPECKER		
	000000000000000008-BUDWEISER		
	000000000000000009-STELLA ARTOIS		
	000000000000000010-CARLING		
	000000000000000011-CARLSBERG		
	000000000000000012-BODDINGTONS		
	000000000000000013-FOSTERS		
	000000000000000014-KRONENBERG 1664		
	000000000000000015-LOWENBRAU SPECIAL		
	000000000000000016-BLACKTHORNE CIDER		
	000000000000000017-COORS LIGHT		
7	8	9	
4	5	6	
1	2	3	
0	00	←	
FUNCTION	PLU	SCREEN No.	
		PAGE UP	PAGE DOWN
OK		CANCEL	

## Function Keys

This is the main programming section as it determines the operation of each key

KEY SELECTION			
DESCRIPTOR	FUNCTION	PLU	SCREEN No.
DEFAULT DESC	013. ADD CHECK		
	016. CANCEL		
	018. CASH		
	019. TIP DECLARE		
	020. SLIP		
	021. CHEQUE		
	022. CHEQUE CASH		
	023. CHK ENDORSE		
	024. CLEAR		
	025. CONTINUE		
	026. EURO		
	027. CURR.CONV2		
	028. CURR.CONV3		
	029. CURR.CONV4		
	030. CURR.CONV5		
	033. T.DISP		
	038. EAT IN		
7	8	9	
4	5	6	
1	2	3	
0	00	←	
FUNCTION	PLU	SCREEN No.	
		PAGE UP	PAGE DOWN
OK		CANCEL	

# FUNCTION KEY – LISTING

1	N/A	68	N/A	135	MISC TEND #	205	RECD ACCT 5
2	N/A	69	N/A	136	MODIFIER 1	206	RECEIPT
3	N/A	70	N/A	137	MODIFIER 2	207	REPEAT
4	N/A	71	N/A	138	MODIFIER 3	208	SCALE
5	N/A	72	N/A	141	MODIFIER 6	209	SEAT
6	N/A	73	N/A	142	MODIFIER 7	210	N/A
7	N/A	74	N/A	143	MODIFIER 8	211	SPLIT ITEM
8	N/A	75	N/A	144	MODIFIER 9	212	SPLIT PAY
9	N/A	76	N/A	145	MODIFIER 10	213	STOCK INQ
10	N/A	77	MACRO 1	146	N/A	214	STORE CHECK 1
11	N/A	78	MACRO 2	147	#/NO SALE	215	STORE CHECK 2
12	N/A	79	MACRO 3	148	P/BAL	216	STORE CHECK 3
13	ADD CHECK	80	MACRO 4	149	N/A	217	STORE CHECK 4
14	N/A	81	MACRO 5	150	N/A	218	SUBTOTAL
15	N/A	82	MACRO 6	151	PAID OUT 1	219	TABLE 1
16	CANCEL	83	MACRO 7	152	PAID OUT 2	220	TABLE 2
17	N/A	84	MACRO 8	153	PAID OUT 3	221	TABLE 3
18	CASH	85	MACRO 9	154	PAID OUT 4	222	TABLE 4
19	TIP DECLARE	86	MACRO 10	155	PAID OUT 5	223	ANALYSIS 2
20	SLIP	87	MACRO 11	156	PAID RECALL	224	TAX EXEMPT
21	CHEQUE	88	MACRO 12	157	% 1	225	TAX SHIFT 1
22	CHEQ CASH	89	MACRO 13	158	% 2	226	TAX SHIFT 2
23	CHK ENDORS	90	MACRO 14	159	% 3	227	TAX SHIFT 3
24	CLEAR	91	MACRO 15	160	% 4	228	TAX SHIFT 4
25	CONTINUE	92	MACRO 16	161	% 5	229	TAX SHIFT 5
26	CURR CONV 1 EURO	93	MACRO 17	162	% 6	230	TAX SHIFT 6
27	CURR CONV 2	94	MACRO 18	163	% 7	231	CLK IN/OUT
28	CURR CONV 3	95	MACRO 19	164	% 8	232	TIP 1
29	CURR CONV 4	96	MACRO 20	165	% 9 / SMART CARD	233	TIP 2
30	CURR CONV 5	97	MACRO 21	166	%10 / SMART CARD	234	TIP 3
31	VOID MODE	98	MACRO 22	167	PLU	235	TRANS CHK1
32	N/A	99	MACRO 23	168	N/A	236	TRANS CHK2
33	TABLE DSP	100	MACRO 24	169	PRICE INQ	237	TRANS CHK3
34	N/A	101	MACRO 25	170	PRICE LEVEL 1	238	TRANS CHK4
35	N/A	102	MACRO 26	171	PRICE LEVEL 2	239	TRAY SUBTOTAL
36	N/A	103	MACRO 27	172	PRICE LEVEL 3	240	VALID
37	N/A	104	MACRO 28	173	PRICE LEVEL 4	241	VOID ITEM
38	EAT IN	105	MACRO 29	174	PRICE LEVEL 5	242	WASTE
39	EAT OUT	106	MACRO 30	175	PRICE LEVEL 6	243	FUNC. LIST#
40	EMPLOYEE	107	MACRO 31	176	PRICE LEVEL 7	244	X/TIME
41	EMPLOYEE 1	108	MACRO 32	177	PRICE LEVEL 8	245	N/A
42	EMPLOYEE 2	109	MACRO 33	178	PRICE LEVEL 9	246	PARK ORDER
43	EMPLOYEE 3	110	MACRO 34	179	PRICE LEVEL 10	247	SERVE ORDER
44	EMPLOYEE 4	111	MACRO 35	180	PRICE LEVEL 11	248	KP ROUTING
45	EMPLOYEE 5	112	MACRO 36	181	PRICE LEVEL 12	249	SPLIT CHECK
46	EMPLOYEE 6	113	MACRO 37	182	PRICE LEVEL 13	250	ALPHA TEXT
47	EMPLOYEE 7	114	MACRO 38	183	PRICE LEVEL 14	251	NEW CHECK 1
48	EMPLOYEE 8	115	MACRO 39	184	PRICE LEVEL 15	252	NEW CHECK 2
49	EMPLOYEE 9	116	MACRO 40	185	PRICE LEVEL 16	253	NEW CHECK 3
50	EMPLOYEE 10	117	MACRO # (CODE NO.)	186	PRICE LEVEL 17	254	NEW CHECK 4
51	ENTER	118	MDSE RETURN	187	PRICE LEVEL 18	255	NOFOUND PLU
52	ERR CORRECT	119	MISC TEND 1	188	PRICE LEVEL 19	256	PRICE CHANGE
53	FD/S SHIFT	120	MISC TEND 2	189	PRICE LEVEL 20	257	CASH W/DRAW
54	FD/S SUBTL	121	MISC TEND 3	190	PRINT	258	ADD BALANCE
55	FD/S TEND	122	MISC TEND 4	191	PRINT CHECK	259	SUB BALANCE
56	GUEST #	123	MISC TEND 5	193	PROMO	260	ADD POINTS
57	HOLD	124	MISC TEND 6	194	N/A	261	SUB POINTS
58	INACTIVE	125	MISC TEND 7	195	QUIT	262	DISP CARD
59	N/A	126	MISC TEND 8	196	RCPT ON/OFF	263	PRINT CARD
60	N/A	127	MISC TEND 9	197	RECALL CHECK 1	264	REDEEM PNTS
61	N/A	128	MISC TEND 10	198	RECALL CHECK 2	265	ADD HOTLIST
62	N/A	129	MISC TEND 11	199	RECALL CHECK 3	266	DEL HOTLIST
62	N/A	130	MISC TEND 12	200	RECALL CHCK 4		
63	N/A	131	MISC TEND 13	192	PRINT HOLD		
64	LIST CHECK 1	131	MISC TEND 13	201	RECD ACCT 1		
65	LIST CHECK 2	132	MISC TEND 14	202	RECD ACCT 2		
66	LIST CHECK 3	133	MISC TEND 15	203	RECD ACCT 3		
67	LIST CHECK 4	134	MISC TEND 16	204	RECD ACCT 4		

# FUNCTION KEY - DEFINITIONS

---

## **Add Check**

Used to add multiple guest checks (soft checks) for payment together or to add check between different tracking files. Or to move one check to another.

## **Cash**

Used to finalise or tender cash sales. Change is computed when the amount of the cash tender is greater than the amount of the sale. There is also the programmable option of allowing change to be re-calculated once a sale has been completed using the post tender system flag.

## **Cancel**

Press cancel to abort any transactions in progress. All current items are removed (voided).

## **Tip Declare**

Employees use this for the declaration of tips earned.

## **Slip**

Used to print guest check bills to a loose-leaf paper printer

## **Cheque**

Use the cheque key to finalise or tender cheque sales. Change is computed when the amount of the cheque tender is greater than the amount of the sale. This can be used as a cash back feature for cheque payments.

## **Check Cash**

Use the Check Cashing key to exchange a cheque for cash outside of a sale.

## **Check Endorsement**

This will print onto the check an endorsement message (only on printer models with a validation sensor)

## **Continue**

Used in-conjunction with the magnetic card swipe system (peripheral options dependant)

## **Clear**

Press CLEAR to clear numeric entries or error conditions

## **Curr Conv 1 - 5**

Used to convert and display the value of the transaction in foreign currency. This works also for Euro dual pricing in-conjunction with system printing flags. It is assumed currency rate one is the Euro exchange rate

## **Void Mode**

This is a Fixed Key, which puts the register into void mode so that all transactions and sales are voided. This can be switched on and off at the beginning of each transaction and not in the middle of a sale.

## **Table DSP**

For future Development

## **Analysis 3**

This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report. This function can be used for example as eat in / take out changing the kitchen order printer and tax settings when this key is pressed within a sale.

# FUNCTION KEY - DEFINITIONS

---

## **Analysis 3**

This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report. This function can be used for example as eat in / take out changing the kitchen order printer and tax settings when this key is pressed within a sale.

## **Analysis 1**

This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report. This function can be used for example as eat in / take out changing the kitchen order printer and tax settings when this key is pressed within a sale.

## **Employee # (Cashier)**

The employee number key is used to sign on the employee starting registration.

## **Employee 1-10**

The employee keys 1 – 10 can be programmed to sign on a specific cashier when pressed directly without entering a code. These keys are used for PUSH Button clerk entry

## **Err Correct**

Press the error correct key to remove the last item from the sale total.

## **FD/S Shift**

Not for use in the U.K

## **FD/S Subtl**

Not for use in the U.K

## **FD/S Tend**

Not for use in the U.K

## **Guest #**

Used to record the number of guests served by a transaction. The entry may be compulsory, the entry can also be programmed to appear on printers

## **Hold**

Used to identify an individual item, or an entire transaction, in order that the selected items will not print/display on the kitchen printer / Kitchen video when the transaction is finalised. The system can be programmed to warn if items are held when a check is stored, also to automatically select the items ready for print when a check is recalled.

## **Inactive**

The inactive function key can be re-used as many times as necessary to inactivate key locations

## **List Check 1 - 4**

Press the List Check key to display a list of open checks for each of the four tracking types.

## **Macro Code Entry Key**

Used to execute one of forty possible macros by entering the macro number and pressing the macro code entry key

## **Mdse Return**

Used to remove items from the sales totals and return goods back into stock. This key can be used within or outside of a transaction

## **Macro 1 - 40**

Used to execute one of the forty possible pre-programmed key sequences, by allocating the required key and then programming the appropriate sequence.

# FUNCTION KEY - DEFINITIONS

---

## Misc Tend #

Used to access by code any one of the 16 MISC TEND keys, used to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming.

## Misc Tend 1 - 16

Use a MISC TEND key to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming

## Modifier 1 - 10

MODIFIER Keys can be set to change either the item code or the description only. This can be used to build up a code number system with various modifiers working together to sell a complied code. For example if MODIFIER 1 is set to change the 4th digit of the PLU by 4 and MODIFIER 2 is set to change the 3rd digit by 5 pressing MODIFIER 1 then MODIFIER 2 followed by PLU 1 would sell code 4501 PLU 2 would become product code 4502 etc.

## #/No Sale

Used to enter a non-adding memo number during a transaction (# function) or to open the cash drawer outside of a sale

## P/Bal

Enter an amount, then press the manual previous balance (P/bal) key to use the simplest form of Charge Posting / Table Service.

## Paid Out 1 - 5

Press a Paid Out key to register monies removed from the cash drawer

## Paid Recall

The paid recall key is used to recall the last xx number of transactions, where xx is defined in the memory. Pressing RECEIPT ISSUE key whilst a transaction is displayed will result in a copy receipt for the sale.

## %1 - %10

Ten discount/Premium keys are available to handle various types of discounts, mark downs and adjustments to items or transactions. When Smart card's are used %9, %10 are used for category discounts and premiums.

## PLU

Used to register a PLU by entering the appropriate PLU number and pressing the PLU/# key.

## Price Inquire

Used to inquire on the retail price of a product within register mode.

## Price Level 1 - 20

Press a price level key prior to a PLU entry to shift the price of a PLU to a different '*price set*' pre-programmed to the PLU. Each product has the ability to sell at four different prices. The prices are not fixed however at price levels 1 through to 4. The Price level can be allocated from any of the twenty to provide detailed price reporting using the PLU by price level report (if set in memory allocation). The norm for a bar is two prices normal and special offer price this requires no special programming.

The terminal however can be programmed to used up to twenty price bands. For example we could have some PLU's using prices 1 – 4 representing sizes and some PLU's using prices 6 – 10. This would then represent different product types sold at different sizes; pressing the appropriate price key will sell the correct size. Then using the price level report, the analysis would show the total per product, a breakdown of the price sales per product and overall sales total for all products per price level.

## FUNCTION KEY - DEFINITIONS

---

### **Print**

This key is used to temporarily change the remote printer settings of a PLU allowing printing to the programmed printer route allocated to this key. It is required that a product to print has KP Print set to Y to allow the item to be printed.

### **Print Check**

Used during any open check or after finalisation to print a detailed bill for check tracking files 1 – 4, The bill can, if required, be programmed to print automatically to the printer defined by this key.

### **Print Hold**

Used to remove the HOLD designation from an item or order, so that the items and their instructions are now sent to the kitchen printer/KVS at finalisation

### **Promo**

Press the PROMO key to zero the price (the item remains). This can be used in 2 for 1 promotions etc. A promo count and value of discount given is shown on the financial reports.

### **Quit**

Press QUIT to automatically sign on/off the current employee, when using the magnetic card swipe (peripheral options dependant).

### **Receipt On /Off**

This is used to turn the receipt off, The receipt can be programmed using system flags to be a continuous receipt with the ability to issue a post receipt (default setting) or to print only when the post receipt key is pressed.

### **Recall Check 1 - 4**

The Check Tracking System can maintain only balances (hard checks) or entire transactions (soft checks) in the register memory. Four different tracking files can be separated to maintain different information e.g. bar tabs, tables etc. The check number can be entered by the employee or be programmed to be an automatically generated a number.

### **Recd Acct 1 - 5**

Press a RECD ACCT key to register monies added to cash, check or miscellaneous media to the drawer

### **Receipt Issue**

Press this key to issue a copy receipt. This key can also be used with PAID RECALL to issue past receipts

### **Repeat**

Use the repeat key to quickly re-order a set of items, for a check-tracking sale. This key repeats the last check order which has previously been stored.

### **Scale**

Use the scale key to automatically display the weight from a scale connected to the register, or to manually enter a weight for extension. (Peripheral options dependant)

# FUNCTION KEY - DEFINITIONS

---

## **Seat#**

Used to identify a specific seat (or person) within a transaction. Facilitates separate payment by seat from a single check and identifies to the food preparation staff how to assemble meals. This feature also provides separate billing

To allocate items to a seat enter the seat number and press the seat key prior to selling the product or scroll through the items on the display and allocate by pressing the seat key followed by the seat number then the seat key again to accept. Payment is accepted by pressing subtotal then the seat key to display and pay the balances due.

## **Split Item**

When like items are consolidated in a transaction. It is possible to split the items for separate seat allocation.

## **Stock Inquire**

Used to display the current stock situation for a PLU, this will display the total stock for all the registers in the system. This can be programmed to display stock for one item then return to register mode or display stock for each product pressed until clear is used to exit.

## **Split Payment**

Use the split payment key to divide the amount of a guest check into equal segments for payment and issue bills accordingly.

## **Store Check 1 - 4**

The check tracking system can maintain only balances (hard check) or entire transactions (soft check) in the register memory. Four different tracking files can be separately maintained. The system can allow the operator to enter the check number manually using the RECALL CHECK key or to automatically generate a check number.

## **Subtotal**

Used to display the balance due. This can be programmed to print on request

## **Table 1 - 4**

This is used for reference which table a check is related to, there can be numerous checks per table, depending upon, programming of the store check key. There is also the feature that checks can be recalled using the table number, if the table applies to more than one check, all checks will be displayed on-screen

## **Analysis 2**

This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report. This function can be used for example as eat in / take out changing the kitchen order printer and tax settings when this key is pressed within a sale

## **Tax Exempt**

The Tax Exempt can be programmed to exempt specific taxes from a sale.

# FUNCTION KEY - DEFINITIONS

---

## **Tax Shift 1 - 6**

These are used to change temporarily the pre-programmed tax rate of a product.

## **Time In/Out (Clock In/Out)**

Enter the employee clock in code then press the key to record start and end work times, breaks etc. Hours are maintained by the time clock system. There are various analysis reports for labour costing to assist with management of this feature.

## **Tip 1 - 3**

Used to enter a tip amount on a check tracking bill, the tip keys can be either a percent or amount.

## **Transfer Check 1 - 4**

Used to transfer check monies on open checks from one employee to another. Not used for check numbers.

## **Valid**

Use this key to initiate a single line validation (a printer with validation capability must be connected)

## **Tray Subtl (Ticket Issue)**

This key provides excellent flexibility of receipt issuance. The sale is entered as normal in register when a receipt is required this key is pressed and a receipt for all items sold to that point is issued.

## **Void Item**

This key is used to remove an item from a transaction. Locate the cursor on the item press the VOID key.

## **Waste**

This is used to start and end entries of items that are wasted. A waste count is maintained for each item and the inventory is adjusted, counters and values are provided on the financial reports.

## **X/Time**

Used for multiplication and split pricing entries in the register position.

## **Park Order/Serve Order**

Used with the kitchen video system to control order service

## **Kp Routing**

The system stores four periods of order printing sequences for example during the day the bar printer may print both food and drinks items whilst in the evening the bar prints drinks only and the restaurant printer issues food orders. This can be changed automatically using time periods or manually using this key.

## **No found PLU (Not Found PLU)**

If a code is entered or scanned that does not exist it is then possible using this key to create that item

# FUNCTION KEY - DEFINITIONS

---

## **New Check 1 – 4**

The standard recall check key allows a check to be opened if it does not already exist. This is excellent in hospitality tracking, however for account management credit may not so readily be given. Therefore when this button is programmed accounts are not opened automatically. A warning will indicate an account does not exist if an attempt is made to open using the recall check key. The new check button is used to open new accounts. The programmability for this key is automatically picked up from the status of the Recall check key.

## **Price Change (Price Chg)**

This allows the pre-programmed price of an item to be changed. There are optionally programmed restrictions

## **Split Check**

This allows an item/items to be selected from an open check bill and transferred to alternative check number.

## **Alpha Text**

Text can be entered using this function for printing on the receipt etc.. Pressing the text key switches the screen in Register Mode to the alpha keyboard

## **Add Balance**

This is a smart card function used to add monies to the card.

## **Sub Balance**

This is a smart card function used as the opposite of the ADD BALANCE function key used to remove monies from the current cash balance on the smart card

## **Add Points**

This is a smart card function used to manually increase the number of points on a card

## **Sub Points**

This is a smart card function key used to manually decrease the number of points on a card

## **Display Card (Disp. Card)**

This is a smart card function key used to display a cardholders details. The display is definable.

## **Print Card**

This is a smart card function key used to print a cardholders details. The print is definable.

## **Redeem Points**

This function is used to convert points to money, either within or outside of a transaction.

## **Add Hot list**

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. The card can be manually hot listed using program

## **Del Hot list**

This is a smart card function used to mark a card as no longer lost or stolen. The details are then removed from a hot list file, the maximum of which is set by the memory allocation. The card can be manually Un-hot-listed by accessing this file in the program position.

## **Open Card (Absent)**

This is a smart card function used to enter a smart card sale for a customer that is either not present or does not have the card available

# S-MODE SYSTEM OPTIONS

This section is used to define the most fundamental parameters of the whole system such as, how many machines are in the network, which machine number will store common data etc.

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION		
KEY RELOCATION	<b>SYSTEM OPTIONS</b>	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	Z2 0000
	Z3 0000	Z4 0000	Z5 0000
OK		CANCEL	

## Register # (1-32)

This is the register number for this terminal. This is required to be a sequential number starting from 1 (the master) then in turn for each of the terminals in an inter-register communications system.

## Store #

This is used during communications to indicate which store sales are collected from. The norm is 0

## Irc From Register

This is the number of the first terminal in an inter-register communications system. The norm is 1

## Irc To Register

This is the number for the last terminal in an inter-register communications system.

## Irc Number Of Retries

The standard setting will be acceptable here, unless a specialist environment is to be designed. This feature controls the number of requests to consolidate a terminal before failure is announced. This is default to 10 providing optimum network performance

## Print/Display Decimal Position

This is the number of decimal places the system will use. It is assumed in the UK to be 2 decimals

## Password (0000 – No Password)

Each of the reporting areas can be password protected providing management restriction

# S-MODE SYSTEM OPTIONS – DEFINITIONS

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

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

## Send PLU Descriptor When Polled

This will send in addition to the normal information, the PLU description, when polled by a P.C.

## Reg Holds Time In/Out Data

The time clock, labour hours worked and costing analysis feature can be operated on any terminal however the data is held centrally on one cash register.

## Reg Holds Check Tracking Data

The four check tracking billing files can be operated on any terminal. The files however are stored centrally, normally on terminal 1 (the master). On a more tailored system this can be changed so that each tracking file is stored on a different terminal, the information will be available for central use.

## Reg Hold Kp Global Order#

The order number printed on kitchen order tickets can be the register number followed by a consecutive number. Alternatively this can be a global number incremented by each sale of every register in the system.

## Reg# Holds Clerk Interrupt Data

This needs to be set when clerk interrupt is being used

## Display Printer Error When Polling

This controls the response of the terminal when a printer is not available to print a PC activated report. The option is defaulted to N to ensure that if a printer is off line the communications will continue.

## Enable Front Power Switch

This enables the power switch at the front of the register.

# PRINTER DRIVER SELECTIONS

This is used to customise existing printer formats or to add generic printers to the system. There is normally no need to change this information. The only exception being, printing bitmap images where the logo settings should be changed as per the printer manual.

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		
SAM SRP-270	RED/REV	1D4201	1D4200
SAM SRP-350	EXPANDED	1D2110	1D2100
CITIZEN 3551	BOLD	1B4501	1B4500
CITIZEN 810	UNDERLINE	1B2D01	1B2D00
CITIZEN 230	LONG FEED	1B64	
EPSON T88-2	FULL CUT	1D5600	
	PART. CUT	1D5601	
	STANDARD	1D2A	
	LOGO	1D2F	
PAGE UP	PAGE DOWN		
CLOSE			

## Printer Type

Common printer types have been defined, Samsung, Citizen, Epson etc, These need no modification. The system does have some custom printer types available for technicians to allocate their own settings.

## Printer Task (Initialise, Compressed Etc.)

This is the definition area of the tasks the printer can perform such as bold, underline etc. This is a fixed field and is used to label the start and cancel codes. The only amendment that needs to be made is when a bitmap graphics image is to be printed and then, the relevant control code from the printer manual should be entered under the logo section. For example the Samsung SRP350 would require 1C7xxx where xxx represents the image number for external receipt header logo printing.

## Start Code

This code relates to the Printer task and is input from your own printer manual when defining a custom printer.

## Cancel

This code relates to the printer task and is input from your own printer manual when defining a custom printer.

# SERIAL PORT DEVICE SELECTIONS

The serial ports are the physical connections on the terminal, Five as Standard. The following section defines which type of peripheral will be attached to the port. The peripherals available may be subject to supply and country legislations, if in doubt please contact your system provider.

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	
RE	VIDEO	SAM SRP-270	
FE	POLLING	SAM SRP-350	
BE	SCALE	CITIZEN 3551	
LC	SCANNER	CITIZEN 810	
CL	PAGE UP		PAGE DOWN
PF	PAGE UP		PAGE DOWN
DE	OK		CANCEL
	OK		CANCEL

## Port

This is the number of the physical port located on the terminal. ( five as standard )

## Device

This is the peripheral that will be connected to the port. The following options can be chosen.

### Disable

The port is not active.

### Printer

The port will be used to operate a printer; you are then presented with a list of printer types, all of which are pre-programmed with Driver setting.

### Video

This is a linked Kitchen Video System for the display of products.

### Polling

This is the on-line computer link.

### Scanner

This option enables a barcode scanner.

### Eft Terminal

This option links an approved Electronic Fund Transfer Terminal.

### Smart Card

This links an approved Smart Card Reader for cashless payment.

### Scale

This option allows the connection of scale (For Future development)

## Printer Type

When a printer is selected in device, this displays the options / chosen printer model

# DEFINE PORT PARAMETERS

This is used to define the baud rate etc of a peripheral linked to the serial port, i.e. speed of Scanning and other required settings

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION		
KEY RELOCATION	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS		
<b>DEFINE PORT</b>	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	

## Port Description

This is an area in which you can type your own description of the task the port is carrying out, i.e. SHOP PRINTER, HAND SCANNER etc.. This description is for your own reference purposes.

## Baud Rate

This is the Baud Rate of the device, the communications speed of the peripheral.

## Parity

This is a standard peripheral definition; the information is normally supplied with the device.

## Data Bits

This is a standard peripheral definition; the information is normally supplied with the device.

## Stop Bits

This is a standard peripheral definition; the information is normally supplied with the device.

## Retries

This is the number of attempts that will be made to communicate with a device before failure is declared the default settings are satisfactory for most commonly used peripherals. This is set to 3 as default for optimum performance.

## Feed Lines Before Printing / After Printing

This the number of lines to be fed before or after the printing is started, this will make the receipt longer, helping format the ticket for non cutter printers.

## Print Bitmap

This always needs to be set for printing of the graphical images to receipt printers, working in conjunction with the system settings.

## Logo Size - Normal, Double Width, Double Height, Quadruple

Dependent on the method of image printing the size of the graphics may be changed.

## Lines On Hard Slip

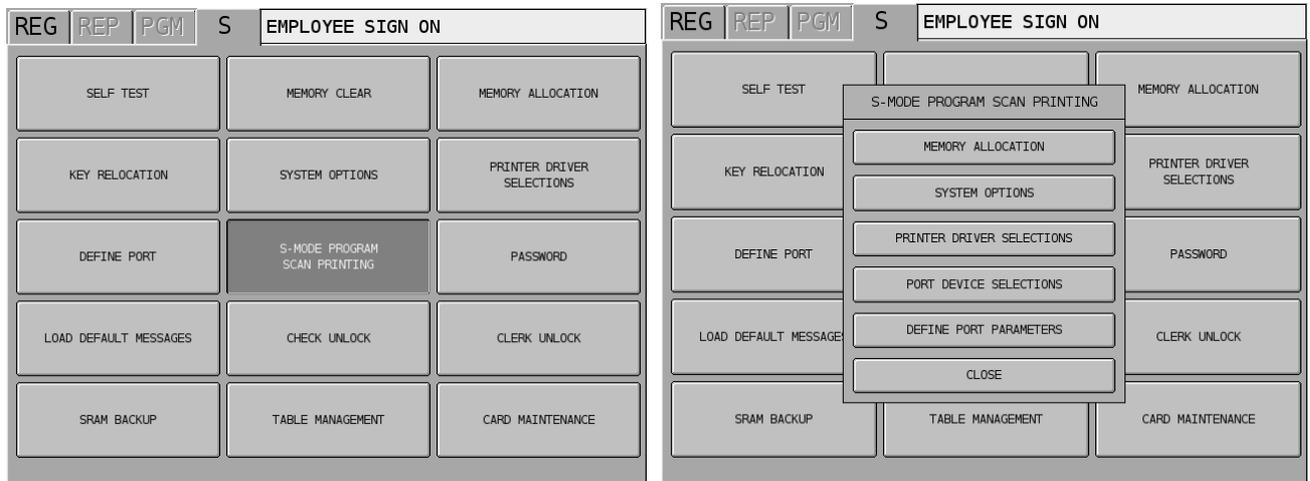
This is the number of lines that can be printed on a loose paper printer, before a prompt for the next page appears.

## Cutting After Printing

When a printer has the capabilities of auto cut, this option will decide if that feature is to be used, i.e. For receipts it is commonly set to yes, however detail journal printers do not require this option.

# S-MODE PROGRAM SCANS

Programmed information can be sent to a printer so that a hard copy can be produced. This option is ideal for keeping records of your machines settings; these can then be stored for future reference.



## Memory Allocation

Print the definitions of the systems features and file maximums

## System Options

This prints the most basic of features such as terminal number and IRC (inter register communications) settings

## Printer Driver Selections

This print out shows how technicians have customised printers.

## Port Device Selections

This prints the function of each of the physical ports listing the peripheral type connected.

## Define Port Parameters

This prints the configuration of the ports, communication speed and unique settings

# SYSTEM PASSWORD

The terminal can be restricted to the most basic of register uses. Using the employee authority password restriction for manager functions.

It is possible by mistake, to restrict access for yourself to programming. To prevent this, the system has an in-built master password. When used as an employee code, by signing on with the EMPLOYEE# key in register mode this will allow access to all features enabling the user to program out the inappropriate restriction that had inadvertently been programmed.

This password should be programmed and a record of the number kept when authority restrictions are used. Alternatively the default setting of 9999 can be used if password override is required.

REG	REP	PGM	S	EMPLOYEE SIGN ON		
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				

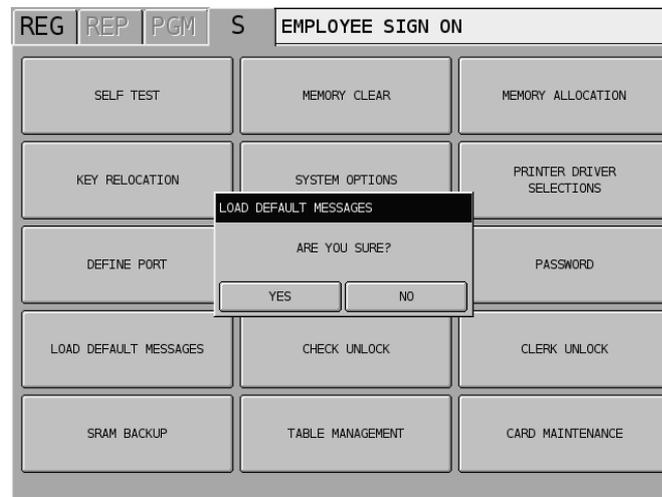
  

REG	REP	PGM	S	EMPLOYEE SIGN ON		
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION				
KEY RELOCATION	PASSWORD					
	MANAGER PASSWORD					
DEFINE PORT	P-MODE PASSWORD					
	S-MODE PASSWORD					
LOAD DEFAULT MESSAGES	CLOSE					
SRAM BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE				

# LOAD DEFAULT MESSAGES

---

This will revert back to default text, any messages which have been changed from their original settings



## Error Messages

These are the onscreen display prompts warning the operator of miss-operations.

## System Descriptors

These are the onscreen and reporting messages designed to assist the operator.

# UNLOCK PROCEDURES

This will reset any locked operational checks or clerk interrupt details. This must be performed on the terminal set to store the data in the s-mode system option settings.

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		

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION		
KEY RELOCATION	CHECK UNLOCK			
DEFINE PORT	TRACK#1	PRINTER DRIVER SELECTIONS		
LOAD DEFAULT MESSAGE	TRACK#2	PASSWORD		
	TRACK#3	CLERK UNLOCK		
	TRACK#4			
	CLOSE			
SRAM BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE		

REG	REP	PGM	S	1 EMPLOYEE
SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION		
KEY RELO	CLERK UNLOCK			
DEFINE	INPUT CLERK #	000		
LOAD DEFAULT MESSAGES	CLERK NAME			
	OK	CANCEL		
SRAM BACKUP	TABLE MANAGEMENT	CARD MAINTENANCE		

## Check Unlock

Used in the unlikely event that an open check track number becomes locked and inoperable

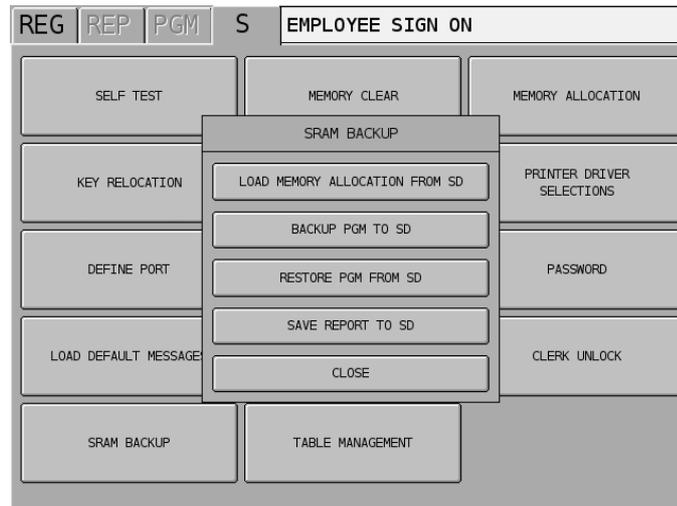
## Clerk Unlock

Used in the unlikely even that an open clerk interrupt buffer becomes locked and inoperable.

# SRAM BACKUP

---

Used to backup and restore data to and from an SD card.



## Load Memory Allocation From Sd

This loads the memory allocation options from the SD card.

## Backup Pgm To Sd

This backs up the program and to the SD card.

## Restore Pgm From Sd

This restores program data that is stored on the SD card.

## Save Report To Sd

This saves reports to the SD card.



**SAM4S**

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# PROGRAM MODE

# PLU – PROGRAMMING

During PLU Programming, each PLU is assigned a descriptor, price or prices and other unique options. The remainder of the PLU options are determined by linking the individual PLU to a PLU Status Group.

The PLU Status Group contains all of the detailed programming option selections that might be assigned to a product. Separate PLU Status Groups are defined to accommodate the needs of groups of PLU's.

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

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 – PROGRAMMING

PLU#000000000000000001 PROGRAMMING			
PLU#	000000000000000001	DESCRIPTOR	PLU1
OPTION#1	OPTION#2	PRICES	
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
MIX&MATCH TABLE#			0
PAGE UP		PAGE DOWN	CLOSE

## Description

This is the name of the saleable item, which will appear on receipts and reports.

## Stock Link PLU

It is possible when managing stock, the principle of buy one reduce one from stock that a number of items may be needed to reduce from the same stock item.

For example half pints of beer from a print. The Pint is the item from which the stock will be reduced after the sale of this code number and the Half the product were the Print code is programmed as the stock link PLU.

## Modifier Qty

This works in conjunction with the stock link PLU flag determining how many units are to be reduced from the main stock item. The field consists of two decimal places for example 50 would result in 0.50 being reduced from the stock of the item program within the stock link PLU field.

## Group Link #1

This field is used to provide the first type of sales analysis by category i.e. Beer, Lagers, this group is used for the sort by group printing of receipts and kitchen printers.

## PLU Status Group Link#

This is the programming for the status group link. Providing an en-masse program for common system flags

## Piece Count

This is the number of units to be used from a product mix group.

For example a jumbo burger, requires 2 units of the Burger bought by the Dozen product mix group

This field is then set to 2, so that for each item sold 2 burgers out of a case of 12 are recorded

## Product Mix

This is the group link by which the piece count controls the usage the group stores the units per outer information i.e. 12 burgers in a dozen.

## Recipe

This links to the ingredient inventory. When the product is sold, the quantities of each ingredient used are subtracted from stock for the allocated recipe and the appropriate sub recipes.

## Mix And Match Table # (Promotion Table #)

This is the promotion discount table, when the product or a mix of products, allocated to the same table are sold the appropriate discount information from the mix and match table will be subtracted.

# PLU – PROGRAMMING

---

PLU#000000000000000001 PROGRAMMING		
PLU#	000000000000000001	DESCRIPTOR COFFEE
OPTION#1	OPTION#2	PRICES
PRINT NV IMAGE		NO
INACTIVE		NO
PRESET		YES
ALLOW PRICE CHANGE		NO
ALLOW PRESET/HALO OVERRIDE		YES
FUNCTION LIST KEY LINK		000
PAGE UP	PAGE DOWN	CLOSE

## Print Nv Image

The external receipt print can store images or have images sent to it from the register. These images can then be printed every time a product is sold. The image number is allocated for a PLU Status group, applying this image to all products in that group where print NV image is set to Y

## Inactive

This prevents the product from being sold, without deleting, therefore still retaining accumulated product sales

## Preset

This determines whether the product is a pre-set or open price.

## Allow Price Change

This allows you to change the price of a PLU when using the price change button.

## Allow Preset/Halo Override

This allows the operator to either manually enter over a pre-set priced item or to override a maximum sale limit. This works per PLU, with each product having individual restriction. If global restriction is required change the setting in systems options.

## Function List Key Link

This function allows the user to link a screen to a PLU so that when the PLU is pressed the chosen screen is displayed.

# PLU – PROGRAMMING

PLU#000000000000000001 PROGRAMMING					
PLU#	000000000000000001		DESCRIPTOR	COFFEE	
OPTION#1	OPTION#2	PRICES			
PRC/HALO	000001.00	PRC L1	01	POINT1	0000
PRC/HALO	000000.00	PRC L2	02	POINT2	0000
PRC/HALO	000000.00	PRC L3	03	POINT3	0000
PRC/HALO	000000.00	PRC L4	04	POINT4	0000

PAGE UP      PAGE DOWN      CLOSE

## Price/Halo 1 - 5

This is either the pre-set price of an item, or the maximum sale amount of an open product.

## Price Level 1 - 5

Entered here is the price level, for each product. There are five different prices per product, with up to twenty price levels available to be allocated. This allows the user to create a matrix of PLU's and Prices each accessed by one of the twenty price keys.

When the price key is priced the product is then checked to determine if that price level (1-20) exists in any one of the five prices available. The standard is two prices per product set to price 1 and 2 this is generated as standard.

A product price level sales report is available showing the total quantity and value sold per price and overall per product also a total for each price.

## Points 1 - 5

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 per programmed, for the retail price of 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.

# PLU – STATUS GROUP PROGRAMMING

PLU Status Groups allow memory to be used more efficiently. In most applications, large groups of PLU's are set with many identical options, while the PLU number, descriptor and price are unique.

On the PLU Programming each PLU is assigned a descriptor, price or prices and a other unique options. The remainder, of the PLU options are determined by linking the individual PLU to a PLU Status Group.

The PLU Status Group contains all of the detailed programming selections that might be assigned to an individual PLU. Separate PLU Status Groups can be set up to accommodate the needs of groups of PLU's.

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

# PLU – STATUS GROUP PROGRAMMING

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							
1. TAXABLE BY RATES?	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6
2. GROUP LINK #2							00					
3. GROUP LINK #3							00					
4. ARE PLUS IN THIS GROUP INACTIVE?							NO					
5. IS PLU A CONDIMENT?							NO					
6. COMPULSORY CONDIMENT ENTRY?							NO					
7. IS PLU SINGLE ITEM?							NO					
8. IS PLU NEGATIVE?							NO					
PAGE UP		PAGE DOWN		CLOSE								

## Taxable By Rates

This applies the selected pre-programmed tax rate to this item

## Group Link #2

This field is used to provide the second sales analysis by category i.e. Draught Beers etc.

## Group Link #3

This field is used to provide the third sales analysis by category i.e. Wet, Dry sales etc.

## Are PLU's In This Group Active

This will disable the sale of a product. Ideal when totalisers are still being stored

## Is PLU A Condiment

A condiment is a way of amending a product, either priced such as salad, (totals are treated the same as PLU sales) or zero priced such as cooking instructions. The print format changes, indenting to indicate the item that is a condiment. It is also not possible to sell a condiment without a normal PLU product being sold. I.e. no side salad without a main meal.

## Compulsory Condiment

This forces the entry of a condiment after the sale of an item, i.e. a steak may require cooking instructions to be entered immediately. This would be set to the normal PLU ensuring a condiment PLU is pressed directly after the sale.

## Is PLU Single Item

This feature automatically finalises the sale when this product is sold, assuming a cash payment

## Is PLU Negative

This changes permanently the retail price of the item to a negative sale

## Descriptor

This changes the name of the PLU.

# PLU – STATUS GROUP PROGRAMMING

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?		NO
10. DOES PLU USE GALLONAGE?		NO
11. IS PLU FOOD STAMP ELIGIBLE?		NO
12. IS PLU MEMO?		NO
13. IS PLU SCALEABLE?		NO
14. AUTO SCALE ON THIS PLU?		NO
15. AUTO TARE# (0-20)		00
16. STOCK PLU?		NO
PAGE UP		
PAGE DOWN		
CLOSE		

## Is PLU Hash (Non Add)

This allows the sales quantity and values of an item to be treated differently; these are not added to the same financial totals as ordinary products. The totalisers to which the information is added are control by system programming, it will be required that you set these system options according to the specifications for your items. A H is shown alongside the PLU on the PLU trading report to indicate the item is a HASH PLU (providing the PLU HASH option is set to include sales on the PLU report)

## Does PLU Use Gallonage

Gallonage PLU's must be set as open PLU's. The PRICE/HALO must be set as the price per gallon (the price is set at three decimal places (£1.299) Gallonage PLU's will report the gallons sold in the activity counter on the PLU report by dividing the PLU total by the price per gallon.

## Is PLU Memo

This enables all PLU information to be printed, but not calculated to totalisers, i.e. a description print

## Is PLU Scaleable

This allows the product to be a weighted item, and register the weight programmed.

## Auto Scale On This PLU

If Y, is entered, registrations of PLU's linked to this group will automatically multiply by the weight placed upon a scale connected to the register. (peripheral options dependant)

## Auto Tare# (0 - 20)

Used to set the package weight of the scaleable product.

## Stock PLU

Is this product to be included in the stock taking ? i.e. will stock deliveries be entered for this product.

# PLU STATUS GROUP – DEFINITIONS

---

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	
17. LINK PLU#						000000000000000000
18. NEGATIVE INVENTORY?						NO
19. ALLOW PROMO?						YES
20. ALLOW WASTE?						YES
21. ALLOW DISCOUNT?						YES
22. ALLOW SURCHARGE?						YES
23. COMPULSORY VALIDATION						NO
24. IS NON-ADD# COMPULSORY?						NO
PAGE UP		PAGE DOWN		CLOSE		

## Link PLU#

When a PLU in this status group is sold, the PLU that is linked to the group is also sold.

## Negative Inventory

This converts the positive stock counts entered for ingredients into negative totals.

## Allow Promo

Is this product available for promotion sales using the Promo function key?

## Allow Waste

Is this product allowed to register stock wastage totals entered by the operator?

## Allow Discount

This controls whether a product is included when a monetary or percent discount is carried out.

## Allow Surcharge

This controls whether a product is included when a monetary or percent premium is carried out.

## Compulsory Validation

If this product is sold, validation printing is required. (Available only on a printer with a validation sensor)

## Is Non Add# Compulsory

This forces the operator to enter a reference number after the sale of this product

# PLU STATUS GROUP – DEFINITIONS

---

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	
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 type="checkbox"/>					
	<input type="checkbox"/>					
30. PRINT RED ON KITCHEN PRINTERS?				NO		
31. PRINT RED ON RECEIPT?				NO		
PAGE UP		PAGE DOWN		CLOSE		

## Print On Kv

This determines whether the product is printed on the Kitchen Video display

## Kitchen Video Group #

This is the kitchen video group that the PLU is linked to.

## Colour To Display On Kv (0-31)

This is the colour in which the information is to be displayed on the Video System

## Print On Kp

If this is set to Y the item is available for print on up to 9 kitchen printer routes, also required for use with the PRINT key operation

## Print On Kp Group 1 - 9

This is the group for the items to be printed on the kitchen printer, for example all bar items may be in group 1 and the food in group 2. The kitchen printer set-up will then determine which physical printer prints, which group at which times.

## Print Red On Kitchen Printers

Print products on the order in red. This is designed for Red/Black Printers, a thermal printer will invert

## Print Red On Receipt

Print products on the receipt in red. This is designed for Red/Black Printers, a thermal printer will invert

# PLU STATUS GROUP – DEFINITIONS

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	
32. PRINT ON RECEIPT?						YES
33. PRINT ON JOURNAL?						YES
34. DISPLAY ON REGISTER SCREEN?						YES
35. PRINT ON GUEST CHECKS?						YES
36. PRINT PRICE ON GUEST CHECKS?						YES
37. PRINT PRICE ON RECEIPT/DETAIL?						YES
38. AUTO GRILL?						NO
39. AUTO GRILL KP GROUP #						0
PAGE UP PAGE DOWN CLOSE						

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	
40. COOKING ITEM?						YES
41. LINKED NV IMAGE#						00
PAGE UP PAGE DOWN CLOSE						

## Print On Receipt

This controls the product printing on the receipt, a priced item with no price printing will still be included in the sale total.

## Print On Journal

This controls whether the product prints on the journal printer

## Display On Register Screen

This controls whether the product prints on the main register display.

## Print On Guest Checks

This controls the product printing on the bill, a priced item with will still be included in the sale total.

## Print Price On Guest Checks

This controls whether the product's retail price prints on the check bill, still to be included in total

## Print Price On Receipt/Detail

This controls whether the product retail price prints on the receipt and detail journal printers

## Auto Grill

Items may be programmed as AUTO GRILL this ensures the item is sent to the printer immediately

## Auto Grill Group #

This is the print group to be allocated to the printer programming to control where the item is printed, when flagged as an auto grill item.

## Cooking Item ?

There is a system flag which allows a special order ticket to be printed including any PLU's flagged as cooking item. This is printed in addition to the normal Kitchen stub and provides an additional ticket showing only the required items.

## Linked NV Image #

The external receipt print can store images or have images sent to it from the register. These images can then be printed every time a product is sold. The image number is allocated for a PLU Status group, applying this image to all products in that group where print NV image is set to Y on the PLU programming

# EDIT INVENTORY ITEM

The system allows products to be linked to recipes, when sold the recipe will be checked and the ingredient stock will be updated. The ingredient stock can be entered using the following screen to enter deliveries, wastage etc.

**NOTE: Be careful not to confuse the separate and distinct inventory features**

- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix - Usage reporting of outers and units sold
- PLU Stock – Stock control of saleable products

REG	REP	PGM	S	1 EMPLOYEE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

EDIT INVENTORY ITEM		
ITEM #	01	
	£ 000.000	
ACTUAL INVENTORY	00000.000	
RECEIPT	00000.000	
TRANSFER IN	00000.000	
TRANSFER OUT	00000.000	
RAW WASTE	00000.000	
PAGE UP	PAGE DOWN	CLOSE

## Actual Inventory

This is the field for entering the current stock holding

## Receipt

This is the field for entering the quantity delivered

## Transfer In

This is the field for entering the quantity of goods transferred in

## Transfer Out

This is the field for entering the quantity of goods transferred out

## Raw Waste

This is the field for entering wastage of items

# EDIT PLU STOCK

*PLU stock* is a simple inventory system where each whole unit PLU activity subtracts a value of "1" from the stock counter.

The quantity modifier and stock link PLU programming can be used to link together two products so stock is reduced from one item with decimal quantity reduction if required.

PLU stock applies only to PLU's that are assigned to a PLU status group with the stock PLU? Setting set to Y

This menu option can be restricted to a specific employee using the authority levels.

**NOTE: Be careful not to confuse the separate and distinct inventory features**

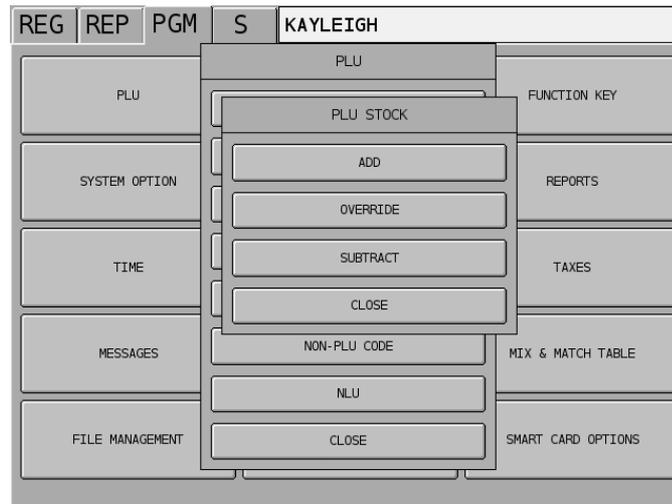
- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix - Usage reporting of outers and units sold
- PLU Stock – Stock control of saleable products

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

# EDIT PLU STOCK

---



## STOCK MENU

### Add

This adds to the existing stock figures. For example, deliveries transfers in etc..

### Subtract

This subtracts for the existing stock figures, For example, returns, transfers out etc.

### Overwrite

This overwrites the existing stock figures. For example, beginning inventory etc.

# GROUP – PROGRAMMING

Groups are designated to accumulate PLU sales for reporting analysis. A PLU can store sales information in up to 3 groups.

Group Link #1 is set in PLU programming.

Group Links #2 and #3 are set in PLU Status Group programming.

This program allows you to set names to the groups that PLU sales will report to up to 99 groups

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		

GROUP# 1 PROGRAMMING	
GROUP#	1
DESCRIPTOR	GROUP1
ADD TO GROUP TOTAL?	YES
TAXABLE BY RATE FOR ANALYSIS2	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6
PAGE UP	PAGE DOWN
CLOSE	

## Add To Group Totals

This determines if the total sales for this category are to be included in the total of all group sales on the read and reset analysis reports. It requires that only one of the three group that a PLU is linked to is included in the group totals otherwise the figures will be inaccurate.

## Taxable By Rate For Analysis 2

If this option is set when the analysis 2 function key is used in REG mode the taxable status of the item no longer follows the normal PLU tax rate but is taxed at the rate programmed to this field

## Example Group Structuring

PLU's 1- 10 are DRAUGHT BEERS items

PLU's 11 – 20 are MINERALS items

Etc...

PLU's 101 - 110 are STARTER items

PLU's 111 – 120 are MAIN COURSE items

both the above linked to PLU status group 1 BAR

both the above linked to PLU status group 2 FOOD

An analysis is required for each type of saleable product, also a total for the drink items and a total for food items, with an overall restaurant sales total

The following programming method would provide that analysis.

### GROUPS

### PROGRAMMING

1	-	DRAUGHT BEERS	linked to PLU's 1– 10 using GROUP#1 field in PLU program
2	-	MINERALS	linked to PLU's 11–110 using GROUP#1 field in PLU program
3	-	STARTERS	linked to PLU's 101–110 using GROUP#1 field in PLU program
4	-	MAIN COURSE	linked to PLU's 111 –120 using GROUP#1 field in PLU program
51	-	DRINK SALES	linked to 1 – BAR PLU Status group using GROUP#2 field
52	-	FOOD SALES	linked to 2 – FOOD PLU Status group using GROUP#2 field
76	-	RESTRN TOTAL	linked to 1 - BAR PLU Status group using GROUP#3 field
		also	linked to 2 - FOOD PLU Status group using GROUP#3 field

The group programming would be set so only groups less than 50 added into the group total i.e. all Draughts, Minerals etc.. whilst groups greater than 51 would not be added to the group total, therefore ensuring the total on the group sales read is always correct.

# FUNCTION KEY – PROGRAMMING

Function key options vary per key. Each feature is explained in the following pages.

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		

SELECT FUNCTION KEY	
190	PRINT
191	PRINT CHECK
192	PRINT HOLD
193	PROMO
195	QUIT
196	RCPT ON/OFF
197	RECALL_CHK1
198	RECALL_CHK2
199	RECALL_CHK3
200	RECALL_CHK4

FUNCTION KEY LIST	
PAGE UP	PAGE DOWN
0	
7	8 9
4	5 6
1	2 3
0	00 ←
OK	
CLOSE	

FUNCTION KEY #191 PROGRAMMING		
FUNCTION KEY #	191	DEFAULT DESC
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

# FUNCTION KEY – LISTING

1	N/A	68	N/A	135	MISC TEND #	205	RECD ACCT 5
2	N/A	69	N/A	136	MODIFIER 1	206	RECEIPT
3	N/A	70	N/A	137	MODIFIER 2	207	REPEAT
4	N/A	71	N/A	138	MODIFIER 3	208	SCALE
5	N/A	72	N/A	141	MODIFIER 6	209	SEAT
6	N/A	73	N/A	142	MODIFIER 7	210	N/A
7	N/A	74	N/A	143	MODIFIER 8	211	SPLIT ITEM
8	N/A	75	N/A	144	MODIFIER 9	212	SPLIT PAY
9	N/A	76	N/A	145	MODIFIER 10	213	STOCK INQ
10	N/A	77	MACRO 1	146	N/A	214	STORE CHECK 1
11	N/A	78	MACRO 2	147	#/NO SALE	215	STORE CHECK 2
12	N/A	79	MACRO 3	148	P/BAL	216	STORE CHECK 3
13	ADD CHECK	80	MACRO 4	149	N/A	217	STORE CHECK 4
14	N/A	81	MACRO 5	150	N/A	218	SUBTOTAL
15	N/A	82	MACRO 6	151	PAID OUT 1	219	TABLE 1
16	CANCEL	83	MACRO 7	152	PAID OUT 2	220	TABLE 2
17	N/A	84	MACRO 8	153	PAID OUT 3	221	TABLE 3
18	CASH	85	MACRO 9	154	PAID OUT 4	222	TABLE 4
19	TIP DECLARE	86	MACRO 10	155	PAID OUT 5	223	ANALYSIS 2
20	SLIP	87	MACRO 11	156	PAID RECALL	224	TAX EXEMPT
21	CHEQUE	88	MACRO 12	157	% 1	225	TAX SHIFT 1
22	CHEQ CASH	89	MACRO 13	158	% 2	226	TAX SHIFT 2
23	CHK ENDORS	90	MACRO 14	159	% 3	227	TAX SHIFT 3
24	CLEAR	91	MACRO 15	160	% 4	228	TAX SHIFT 4
25	CONTINUE	92	MACRO 16	161	% 5	229	TAX SHIFT 5
26	CURR CONV 1 EURO	93	MACRO 17	162	% 6	230	TAX SHIFT 6
27	CURR CONV 2	94	MACRO 18	163	% 7	231	CLK IN/OUT
28	CURR CONV 3	95	MACRO 19	164	% 8	232	TIP 1
29	CURR CONV 4	96	MACRO 20	165	% 9 / SMART CARD	233	TIP 2
30	CURR CONV 5	97	MACRO 21	166	%10 / SMART CARD	234	TIP 3
31	VOID MODE	98	MACRO 22	167	PLU	235	TRANS CHK1
32	N/A	99	MACRO 23	168	N/A	236	TRANS CHK2
33	TABLE DSP	100	MACRO 24	169	PRICE INQ	237	TRANS CHK3
34	N/A	101	MACRO 25	170	PRICE LEVEL 1	238	TRANS CHK4
35	N/A	102	MACRO 26	171	PRICE LEVEL 2	239	TRAY SUBTOTAL
36	N/A	103	MACRO 27	172	PRICE LEVEL 3	240	VALID
37	N/A	104	MACRO 28	173	PRICE LEVEL 4	241	VOID ITEM
38	EAT IN	105	MACRO 29	174	PRICE LEVEL 5	242	WASTE
39	TAKE OUT	106	MACRO 30	175	PRICE LEVEL 6	243	FUNC. LIST#
40	EMPLOYEE	107	MACRO 31	176	PRICE LEVEL 7	244	X/TIME
41	EMPLOYEE 1	108	MACRO 32	177	PRICE LEVEL 8	245	N/A
42	EMPLOYEE 2	109	MACRO 33	178	PRICE LEVEL 9	246	PARK ORDER
43	EMPLOYEE 3	110	MACRO 34	179	PRICE LEVEL 10	247	SERVE ORDER
44	EMPLOYEE 4	111	MACRO 35	180	PRICE LEVEL 11	248	KP ROUTING
45	EMPLOYEE 5	112	MACRO 36	181	PRICE LEVEL 12	249	SPLIT CHECK
46	EMPLOYEE 6	113	MACRO 37	182	PRICE LEVEL 13	250	ALPHA TEXT
47	EMPLOYEE 7	114	MACRO 38	183	PRICE LEVEL 14	251	NEW CHECK 1
48	EMPLOYEE 8	115	MACRO 39	184	PRICE LEVEL 15	252	NEW CHECK 2
49	EMPLOYEE 9	116	MACRO 40	185	PRICE LEVEL 16	253	NEW CHECK 3
50	EMPLOYEE 10	117	MACRO # (CODE NO.)	186	PRICE LEVEL 17	254	NEW CHECK 4
51	N/A	118	MDSE RETURN	187	PRICE LEVEL 18	255	NOFOUND PLU
52	ERR CORRECT	119	MISC TEND 1	188	PRICE LEVEL 19	256	PRICE CHANGE
53	FD/S SHIFT	120	MISC TEND 2	189	PRICE LEVEL 20	257	CASH W/DRAW
54	FD/S SUBTL	121	MISC TEND 3	190	PRINT	258	ADD BALANCE
55	FD/S TEND	122	MISC TEND 4	191	PRINT CHECK	259	SUB BALANCE
56	GUEST #	123	MISC TEND 5	193	PROMO	260	ADD POINTS
57	HOLD	124	MISC TEND 6	194	N/A	261	SUB POINTS
58	INACTIVE	125	MISC TEND 7	195	QUIT	262	DISP CARD
59	N/A	126	MISC TEND 8	196	RCPT ON/OFF	263	PRINT CARD
60	N/A	127	MISC TEND 9	197	RECALL CHECK 1	264	REDEEM PNTS
61	N/A	128	MISC TEND 10	198	RECALL CHECK 2	265	ADD HOTLIST
62	N/A	129	MISC TEND 11	199	RECALL CHECK 3	266	DEL HOTLIST
62	N/A	130	MISC TEND 12	200	RECALL CKCK 4		
63	N/A	131	MISC TEND 13	192	PRINT HOLD		
64	LIST CHECK 1	131	MISC TEND 13	201	RECD ACCT 1		
65	LIST CHECK 2	132	MISC TEND 14	202	RECD ACCT 2		
66	LIST CHECK 3	133	MISC TEND 15	203	RECD ACCT 3		
67	LIST CHECK 4	134	MISC TEND 16	204	RECD ACCT 4		

# FUNCTION KEY - DEFINITIONS

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**ADD CHECK** Used to add multiple guest checks (soft checks) for payment together or to add check between different tracking files. or to move one check to another.

**Manager Required** This forces sign on of a management user

**CANCEL** Press cancel to abort a transaction in progress. All current items are removed (voided)

**Halo (0 No Limit)** This is the maximum sale amount for this key  
**Manager Required** This forces sign on of a management user  
**Compulsory Validation** This forces validation if a cancel is carried out (only on printer models with a validation option)  
**Print On Receipt** This controls whether cancelled transactions will be printed.

**CASH** Used to finalise or tender cash sales. Change is computed when the amount of the cash tender is greater than the amount of the sale. The optional system flag can be set allow change calculation on a sales is finalised using the post tender system flag

**Halo (0 No Limit)** This is the maximum sale amount for this key  
**Exempt Tax** This allows each tax rate to be excluded from the sale calculation  
**Open Drawer** This controls whether the cash drawer will open.  
**Compulsory Validation** This forces validation if a cancel is carried out (only on printer models with a validation option)  
**Amount Tender Compulsory** This forces the entry of moneys given for change  
**Disable Under Tendering** This prohibits partial tender i.e. Value lower than sale  
**Manager Required** This forces the user of a Manager to sign on for partial tender  
**For Under Tendering** Points can be accrued to a card and payment by cash  
**Enable Smart Card Sale** Mainly for the US market this allows an automated coin changer  
**Coin Change Port# (0-7)** A line for customer signature can be printed  
**Print Signature** If smartcard points accrual is used the card details can be printed  
**Print Card Detail** The system allows redemption of points converting them to cash  
**Enable Pay By Points** If points redeem for cash using this key this is the value per point  
**Points Redeem Value**

**TIP DECLARE** This is used for the declaration of tips earned by employees

**Manager Required** This forces sign on of a management user  
**Compulsory Validation** This forces validation if a cancel is carried out (only on printer models with a validation option)

**SLIP** Used to print guest check bills to a loose-leaf paper printer

**Print Check On Printer (0 – 41)** This determines which printer from the systems printer list will be used for bills. Printer 41 is used for the internal receipt printer  
**Print Check Automatically** This will automatically close the check after printing  
**Service Check**

**Print Consec On Guest Check?** This will determine if the receipt consecutive number is printed on the bill.

# FUNCTION KEY - DEFINITIONS

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<b>CHEQUE</b>	Use this key to finalise or tender cheque sales. Change is computed when the amount of the cheque tender is greater than the amount of the sale, for cash back etc...
<b>Halo (0: No Limit)</b>	This is the maximum sale amount for this key
<b>Exempt Tax</b>	This allows each tax rate to be excluded from the sale calculation
<b>Open Drawer</b>	This controls whether the cash drawer will open.
<b>Compulsory Validation</b>	This forces validation if a cancel is carried out (only on printer models with a validation option)
<b>Compulsory Check Endorse</b>	This forces endorsement printing onto a check (only on printer models with a validation option)
<b>Amount Tender Compulsory</b>	This forces the entry of moneys given for change
<b>Disable Under Tendering</b>	This prohibits partial tender i.e. Value lower than sale
<b>Manager Required</b>	
<b>For Under Tendering</b>	This forces the user of a Manager to sign on for partial tender
<b>Non Add# Entry Compulsory</b>	This forces the operator to enter a reference number
<b>Halo Y=Change N=Tender</b>	The maximum value can apply either to the sale amount tendered or to the change given
<b>Enable Smart Card Sale</b>	Points can be accrued to a card and payment made by cheque
<b>Coin Change Port# (0-7)</b>	Mainly for the US market this allows an automated coin changer
<b>Print Signature</b>	A line for customer signature can be printed
<b>Print Card Detail</b>	If Smartcard points accrual is used the card details can be printed
<b>Enable Pay By Points</b>	The system allows redemption of points converting them to cash.
<b>Points Redeem Value</b>	If points redeem for cash using this key this is the value per point
<b>CHEQUE CASH</b>	Use the Cheque Cashing key to exchange a cheque for cash outside of a sale.
<b>Halo (0 No Limit)</b>	This is the maximum sale amount for this key
<b>Manager Required</b>	This forces sign on of a management user
<b>Manager Required for HALO Override?</b>	This forces the use of a management user to override the maximum value
<b>Compulsory Validation</b>	This forces validation if a cancel is carried out (only on printer models with a validation option)
<b>CHECK ENDORSEMENT</b>	This will print onto the check an endorsement message (only on printer models with a validation sensor)
<b>Printing Port (0 -7)</b>	This is the physical port that the printer is connected
<b>CONTINUE</b>	Used in-conjunction with the magnetic card swipe system (peripheral options dependant)
<b>CLEAR</b>	Press CLEAR to clear numeric entries or error conditions
<b>CURR CONV 1 - 5</b>	Used to convert and display the value of the transaction in foreign currency. This works also for Euro dual totals in-conjunction with system printing flags. It is assumed currency rate one is the Euro rate
<b>Rate</b>	This is the current exchange rate
<b>Change In Foreign Currency</b>	This determines whether change is given in the local currency or in the same currency by as the sale was paid.
<b>VOID MODE</b>	This is a fixed key, which puts the register into void mode so that all transactions and sales are voided. This can be switched on and off at the beginning of each transaction and not in the middle of a sale.

# FUNCTION KEY - DEFINITIONS

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<b>TABLE DSP</b>	For future development
<b>ANALYSIS 3</b>	This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report
Exempt Tax	This allows each tax rate to be excluded from the calculation
Compulsory Validation	This forces validation if a cancel is carried out (only on printers with validation)
Kp Period Override	This changes the area in which the item is printed from the normal programmed route to one of the 4 pre-programmed kitchen printer periods
<b>ANALYSIS 1</b>	This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report.
Exempt Tax	This allows each tax rate to be excluded from the sale calculation
Compulsory Validation	This forces validation if a cancel is carried out (only on printers with validation)
Kp Period Override	This changes the area in which the item is printed from the normal programmed route to one of the 4 pre-programmed printer periods
<b>EMPLOYEE # (CASHIER)</b>	The employee number key is used to sign on an employee who is starting registration.
<b>EMPLOYEE 1- 10</b>	The employee key can be programmed to sign on a specific cashier when pressed directly without entering a code, the employee 1 - 10 keys can be used for this purpose. These keys are used for PUSH Button clerk entry. The employee number to be allocated to this key is set in P-Mode, system options programming
<b>ERR CORRECT</b>	Press error correct immediately after an item to remove that item from the sale total.
Halo (0 No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management user
Compulsory Validation	This forces validation if a cancel is carried out (only valid printers)
<b>FD/S SHIFT</b>	This function is not available in the UK.
<b>FD/S SUBTL</b>	This function is not available in the UK.
<b>FD/S TEND</b>	This function is not available in the UK.

# FUNCTION KEY - DEFINITIONS

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<b>GUEST #</b>	Used to record the number of guests served by a transaction. The entry may be compulsory; the entry can also be programmed to appear on printers
<b>Comp After Beginning Of Check</b>	This forces guest entry when a check is opened
<b>Compulsory For All Sales</b>	This forces guest entry at all times
<b>Print On Kp (Kitchen Printer)</b>	This prints the number of guests on kitchen order
<b>Print On Receipt</b>	This prints the number of guests on the receipt
<b>HOLD</b>	Used to identify an individual item, or an entire transaction, in order that the selected items will not print/display on the kitchen printer / Kitchen video when the transaction is finalised. The system can be programmed to warn if items are held when a check is stored, also to automatically select ready print when a check is recalled.
<b>Manager Required</b>	This forces sign on of a management user
<b>INACTIVE</b>	The inactive function key can be re-used as many times as necessary to inactivate key locations
<b>LIST CHECK 1 – 4</b>	Press the List Check key to display a list of open checks, for each of the four tracking files.
<b>Manager Required</b>	This forces sign on of a management user
<b>MACRO # - CODE ENTRY KEY</b>	Used to execute one of forty possible macros by entering the macro number and pressing the macro code entry key.
<b>MDSE RETURN</b>	Use to remove items from the sales totals within or outside of a transaction.
<b>Halo (0 No Limit)</b>	This is the maximum sale amount for this key
<b>Manager Required</b>	This forces sign on of a management user
<b>Compulsory Validation</b>	This forces validation if a cancel is carried out (only on printer models with a validation option)
<b>Add To Net Grand Total</b>	This adds instead of subtracting to the NET grand totals
<b>Skip Adjustment Of PLU Total</b>	The key, as standard, subtracts the refunded items from the PLU totals this prevents that happening
<b>MACRO 1 – 40</b>	Used to execute one of the forty possible pre-programmed key sequences, by allocating the required key to the screen and then programming the appropriate sequence.
<b>Manager Required</b>	This forces sign on of a management user
<b>Macro Set</b>	The macro key sequence is also programmed here if it has not been programmed using a
<b>MISC TEND #</b>	Used to access by code any one of the 16 MISC TEND keys used to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming

# FUNCTION KEY - DEFINITIONS

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## MISC TEND 1 – 16

	Use a MISC TEND key to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming.
Halo (0 - No Limit)	This is the maximum sale amount for this key
Exempt Tax	This allows each tax rate to be excluded from the sale calculation
Open Drawer	This controls whether the cash drawer will open.
Compulsory Validation	This forces validation if a cancel is carried out (only on printer models with a validation option)
Amount Tender Compulsory	This forces the entry of moneys given for change
Manager Required	
For Under Tendering	This forces the user of a Manager to sign on for partial tender
Non Add# Entry Compulsory	This forces the operator to enter a reference number
Allow Over Tender	This allows an amount greater than the sales total To be tendered. This can be used to given change or for the cash back feature
Coin Change Port# (0-7)	Mainly for the US market this allows an automated coin changer
Connect Eft Terminal	This allows connection of an authorised Electronic Fund transfer terminal (credit card terminal)
Enable Smartcard Sale	Used to define this key as a smart card finalisation key.
Print Signature	This prints a signature text line.
Print Card Details	This determines if card details should be printed, which fields are printed is determined by the System Options – General Printing.
Eft Transaction Key (0-7)	This is the function key used for download of EFT TRANSACTION KEY 1= CHEQ 2=CARD
Enable Pay By Points	The system allows redemption of points converting them to cash
Points Redeem Value	If points redeem for cash using this key this is the value per point

## MODIFIER 1 - 10

	Preceding a PLU entry a modifier key changes one digit of the PLU number, causing a different PLU to be registered. MODIFIER Keys can be set to change either the item code or the description only. This can be used to be build up a code number system with various modifiers working together to sell a complied code. For example if MODIFIER 1 is set to change the 4th digit of the PLU by 4 and MODIFIER 2 is set to change the 3rd digit by 5 pressing MODIFIER 1 then MODIFIER 2 followed by PLU 1 would sell code 4501 PLU 2 would become 4502 etc.. There are relevant system options which can be change to control how modifier keys operate.
Manager Required	This forces sign on of a management user
Modify Descriptor	This changes the description of the product but not the code
Print Descriptor On Guest Check	The modifier key description is prevented from being printed on a check tracking bill
Print Descriptor On Receipt	The modifier key description is prevented from being printed on the customer transaction receipt.
Print On Kp Descriptor	This determines whether the descriptor is printed on the Kitchen order
Affect Digit Of PLU#	The digits of the PLU code can be modified by the next field
Value Of Digit To Be Added	This is the number 0-9 by which the selected digit is to be Changed i.e. 3 affected by value 2 means 1 = 201, 2 = 202

# FUNCTION KEY - DEFINITIONS

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<b>#/NO SALE</b>	Used to enter a non-adding memo number during a transaction, or used to open the cash drawer.
<b>Non-Add Entry Halo 0-14</b>	This is the maximum digits for the reference number.
<b>Allow No Sale Function</b>	This will enable the operator to open the cash drawer
<b>Allow Non Add Function</b>	This will enable the operator to enter a reference number
<b>Manager Required</b>	This forces sign on of a management user
<b>Nosale Inactive After</b>	Once a reference has been entered it its not
<b>Non Add Entry</b>	possible to continue by just opening the drawer, a sale is required.
<b>Compulsory Valid On Nosale</b>	This forces validation if a cancel is done (only on valid printers)
<b>Comp Non Add At The</b>	This forces the operator to enter a reference number before
<b>Beginning Of Sale</b>	commencing a sale
<b>Comp Non Add Must Match</b>	The halo is no longer a maximum but a compulsory criteria
<b>Non Add Entry</b>	i.e. 6 becomes not digit 1 to 6 but fixed to 6 digits
<b>Print On Receipt</b>	The no sale will issue a ticket if this flag is turned on.
<b>P/BAL</b>	Enter an amount, then press the manual previous balance (P/bal) key to use the simplest form of charge posting / Table Service. The P/bal key may be used any time, within a transaction. Transactions where the P/Bal key is used must be finalised with the service key.
<b>Must Be Entered At Start</b>	This forces an opening balance at start of a sale
<b>Compulsory P/Bal</b>	This forces an entry of balance during a sale.
<b>PAID OUT 1 – 5</b>	Press a Paid Out key to remove moneys from the drawer
<b>Halo (0 - No Limit)</b>	This is the maximum sale amount for this key
<b>Manager Required</b>	This forces sign on of a management user
<b>Compulsory Validation</b>	This forces validation on this key (only on valid printers)
<b>PAID RECALL</b>	The paid recall key is used to recall the last number of transactions, where the number of transaction is determined in the memory allocation. The RECEIPT key can be used to issue copy receipt.
<b>Manager Required</b>	This forces sign on of a management user
<b>PLU</b>	Used to sell an item using the products code number rather than pressing a PLU key on the screen.

# FUNCTION KEY - DEFINITIONS

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<b>%1 - %10</b>	Ten discount/Premium keys are available to handle various types of discounts, mark-downs and adjustments to items or transactions. When using Smartcard categories %9 and %10 are used for discounts & premiums
<b>Halo / Rate</b>	For open keys this is the maximum amount, for fixed percent items it is the rate to be applied
<b>Taxable By Rate 1 - 6 Function Is Inactive</b>	The discount/premium amount can be included within the tax This allows the items to be prohibited without the necessity to make the key inactive
<b>Manager Required Function Is Sale / Item</b>	This forces sign on of a management user This determines whether the function must be applied to each item or to the whole sale total after subtotal.
<b>Function Is Amount/Percent</b>	This determines whether the function will apply either a monetary or a percent adjustment.
<b>Function Is PLU's / Minus</b>	This determines whether the adjustment will be applied as either a discount or addition.
<b>Function Is Open/Preset Compulsory Validation Allow Preset Override</b>	This determines the adjustment i.e. a pre-set rate or manual This forces validation (only on valid printers) This enables the operator to manually enter an adjustment even when there is a pre-programmed rate
<b>Manager Required For Preset Override</b>	This forces use of the Manager to sign on when it is necessary to override the pre-programmed amount.
<b>Function Nets Item Total</b>	This reports the values inclusive of the adjustment I.e. 1.00 – 10% would report 90p
<b>Allow Multiple Sale Coupons Allow Discount Per Trans ? Key Is Do It Discount Function</b>	This enables more than one coupon operation per sale. This restricts the operation of discount /premium added at subtotal This operates a sale rounding system not used within the UK. For example If a Sale is made for 7.20 and DO IT FUNCTION set The sale value will be taken as 7.00 – the % cutting off the 0.20

## PRICE INQUIRE

Used to inquire on the retail price of a product this can be for single item or multiple products

### Stay Down/Pop Up

Price inquiry for Single item or for multiple items  
Press a price level key prior to a PLU entry to shift the price of a PLU to a different 'price set' pre-programmed to the PLU. Each product has the ability to sell at four different prices. The prices are not fixed however at price levels 1 through to 4, the Price level can be allocated from any of the twenty to provide detailed price reporting using the PLU by price level report (if set in memory allocation). The norm for a bar is two prices normal and special offer price this requires no special programming.  
The terminal however can be programmed to used up to twenty price bands. For example we could have some PLU's using prices 1 – 4 representing sizes and some PLU's using prices 6 – 10. This would then representing different product types sold at different sizes; pressing the appropriate price key will sell the correct size. Then using the price level report, the analysis would show the total per product. A breakdown of the price sales per product and an overall sales total for all products per price level

### Manager Required

This forces sign on of a management user

# FUNCTION KEY - DEFINITIONS

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<b>PRINT</b>	This key is used to temporarily change the remote printer settings of a PLU allowing printing to the programmed printer route. This key is required on the screen if the PLU auto grill feature is to be used.
Output Printer # (0-40)	This is the printer number to which the items are printed.
<b>PRINT CHECK</b>	Used to print a bill for any of the check tracking files 1 – 4.
Print Check On Printer # (0-40)	This is the printer number which will print the check bill.
Print Chck Automatically On Serve Chk	This will ensure no manual operation of the print check key is required. The check is held after the bill is printed.
Print Check On Receipt	This enables the bill to be printed on the receipt printer
Print Consec# On Guest Check	This enables the receipt number to be printed on bill
<b>PRINT HOLD</b>	Used to remove the HOLD designation from an item or order, so that the items and their instructions are sent to the kitchen printer/KVS at finalisation or check hold
Manager Required	This forces sign on of a management user
<b>PROMO</b>	Press the PROMO key to zero the price (the item remains). This can be used in 2 for 1 promotions. A promo count is available for each item
Manager Required	This forces sign on of a management user
Taxable By Rate 1 - 6	The amount can be included within the tax calculation, relevant if VAT is to be added, to prevent the PLU from being required as a payment.
<b>QUIT</b>	Press QUIT to automatically sign on/off the current cashier/clerk, using the magnetic card swipe reader (peripheral options dependant)
<b>RECEIPT ON /OFF</b>	This is used to turn the receipt on or off, The receipt can be programmed using system flags to be a continuous receipt with post receipt, or to print only when the post receipt key is pressed.
<b>SPLIT ITEM</b>	When like items are consolidated in a transaction. You can move the cursor to the item and press the SPLIT ITEM key to display the items separately, instead of in consolidated form. Used in-conjunction with the SEAT key
Manager Required	This forces sign on of a management user

# FUNCTION KEY - DEFINITIONS

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## RECALL CHECK 1 - 4

The Check Tracking System can maintain only balances (hard checks) or entire transactions (soft checks) in the registers memory. Four different tracking files can be separated to maintain different information for example, restaurant checks, call-in orders, delivery orders, and or table balances. The check number can be entered by the operator or calculated automatically by the system.

Manager Required  
Enforce Seat#

This forces sign on of a management user  
This makes it compulsory to enter the seat of each person at the table so that if required at finalisation seat separation and split payment can be carried out.

Table Entry Required  
Multiple Checks For Each Table

This force the operator to enter a table number  
The table number can also be used to recall open checks.  
Allows the user to have more than one check at each table.

Guest Count Entry Required  
Compulsory For All Sales  
Assigned By Register

This requests the input of guests when a check is opened  
This forces the operator to enter a check for every sale  
The system can work on manually entered check number, or can generate it's own sequential number

Opening Employee Has  
Exclusive Access  
Print Check# On Receipt  
Print Check# On Journal  
Print Check# On Kp  
Auto Check Management

The check can be restricted in operation solely to the employee that started the sale.  
This prints the check number on the receipt  
This prints the check number on the audit  
This prints the check number on the order  
The sale is made and stored and the check number is automatically generated, pressing the check key recalls the oldest check ready for finalisation. This can be overwritten by manually entering the check

Print On Guest Check Automatically  
Disable Opening New Check

The sale details can be printed automatically when stored  
This forces use of the New Check key for sales to a check that does Not already exist. (The New Check key follows the status of the this key)

Length Of Check Digits (0 -10)

The check can have an enforced number of digits.

## RECD ACCT 1 – 5

Press a RECD ACCT key to add cash, check or miscellaneous media to the drawer.

Halo (0 - No Limit)  
Manager Required  
Compulsory Validation

This is the maximum sale amount for this key  
This forces sign on of a management user  
This forces validation if a cancel is done (only on valid printers)

## RECEIPT

Press this key to issue a transaction receipt at the designated receipt printer

Print "Re-Print" On Receipt

The word re-print can be suppressed on copy receipts.

## REPEAT

Use the repeat key to quickly re-order a set of items. The last order for a check can be repeated.

Manager Required

This forces sign on of a management user

# FUNCTION KEY - DEFINITIONS

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## SCALE

Use the scale key to manually enter a weight for extension.

Manager Required

This forces sign on of a management user

Allow Manual Entry Of Weight

Weight can either be entered manually or on a scale

Inhibit Tare Weight

The system will allow the tare weight management

Manager Req. for Tare Entry?

This force the use of a management user for this operation

Tare Entry Is Compulsory

This forces the operator to use the tare weight method.

Weight Symbol

This allows for either pounds or kilo entry.

Set Tare Weight

This access a sub menu for tare weight programming

## SEAT#

Used to identify a specific seat (or person) within a transaction.

Facilitates separate payment by seat from a single check and identifies to the food preparation staff (through KPs and KVs) how to assemble meals.

Manager Required

This forces sign on of a management user

Function Is Pop Up/Stay Down

When enter seat numbers as the items are being sold this will allow all items to be allocated to the seat selected until an alternative seat number is entered. I.e. enter seat 2 and sell PLU 1,2,3 all will be allocated to seat 2

## STOCK INQUIRE

Used to display the current stock situation for a PLU, this will display the total for all the registers

Manager Required

This forces sign on of a management user

Function is: Pop Up/Stay Down

If set to stay down the terminal will stay in price inquire mode

Subtotal

Used to display the balance due.

## TABLE 1 – 4

This is used for reference as to which table a check is related to, there can be numerous checks per table, depending upon, the programming of the store check key. Checks can also be recalled using the table number.

## STORE CHECK 1 – 4

The check tracking system can maintain only balances (hard check) or entire transactions (soft check) in the register memory. Four different tracking files can be separately maintained.

For example, restaurant checks, call-in orders, delivery orders, and/or table balance. Press one of the four STORE CHECK # keys to finalise a tracking transaction.

Halo (0:No Limit)

For open keys this is the maximum amount, for fixed percent items It is the rate to be applied

Exempt (Tax 1 – 6)

The tax rate will not be charge when the check is saved

Compulsory Validation

This forces validation if a cancel is carried out (only on a printer with a validation sensor)

Non Add Compulsory?

This forces the entry of a reference number using #/No sale

Print On Receipt?

This prints the function description on the receipt

Print On Journal?

This prints the function description on the journal

Manager Req. for Service

This forces the management user to use the storage of checks, which have a minus sale total.

Of Negative Balance

Hard Check Printer # (0 - 40)

This is printer number which the check will print to when using this key for balance on tracking, when NON detailed / Hard check tracking is used, the print check key will print the detailed bill.

Auto Check Management

This allows store of a sale onto a sequential check number without having to initially open the check.

# FUNCTION KEY - DEFINITIONS

---

## ANALYSIS 2

This key is used to record sales totals providing analysis on the both the financial report and special hourly sales analysis report.

Halo (0 No Limit)

This is the maximum sale amount for this key

Exempt Tax

This allows each tax rate to be excluded from the sale calculation

Compulsory Validation

This forces validation if a cancel is carried out (only on printers with validation)

Kp Period Override

This changes the area in which the item is printed from the normal programmed route to one of the 4 pre-programmed printer periods

## TAX EXEMPT

The Tax Exempt can be programmed to exempt specific taxes from a sale.

Halo (0 - No Limit)

This is the maximum sale amount for this key

Exempt Tax

Each Tax rate can be excluded for the calculation

Non Add Compulsory

This forces the entry of a reference number using the #/No sale function

Compulsory Validation

This forces validation if a cancel is carried out (only on printers with validation)

## TAX SHIFT 1 – 6

These are used to change temporarily the pre-programmed tax rate of a product.

## TIME IN/OUT (CLOCK IN/OUT)

Enter the employee clock in code then press the key to record start and end work times, breaks etc. Hours are maintained by the time clock system. There are various analysis reports for labour costing to assist with management of this feature.

Manager Required

This forces sign on of a management user

Compulsory Validation

This forces validation if a cancel is carried out (only possible on a validation printer)

## TIP 1 - 3

Used to enter a tip amount on a check tracking bill.

Halo (0 - No Limit)

This is the maximum sale amount for this key

Tip: Percent / Amount

This determines whether the value entered is to be applied as a monetary amount or a percentage

Tip: Open / Preset

The tip key can be either preset with a % or have the value entered during the sale.

Taxable By Rate 1 - 6

The key can be included within the tax calculation

Must Be Paid By Misc Tend

This forces finalisation on a miscellaneous tender key

After Tip

once a tip entry has been made.

Tip Amounts Add To

The tip amount can be added into the net financial total and grand totals

Net & Gross Totals

Charge Tip Is Deducted From Cash

The tip can be applied as a cash financial total, the value is then subtracted from the cash totalisers.

# FUNCTION KEY - DEFINITIONS

---

## TRAY SUBTOTAL

This key provides excellent flexibility of receipt issuance, it can be used for admission tickets. The sale is entered as normal in register when a receipt is required this key is pressed and a receipt for all items sold to that point is issued. The sale is continued and again this key is pressed issued a receipt for all items sold in the 2<sup>nd</sup> part of the sale, a final payment receipt can then be issued at finalisation.

Exempt Tax

Each Tax rate can be excluded for the calculation

Manager Required

This forces sign on of a management user

Compulsory Before Tender

This forces use of this key to display total sale value

Compulsory Validation

This forces validation if a cancel is done (only on valid printers)

Advance Consec At Final

Each receipt issued can have a consecutive number or each

Tender Only ?

can have the same number.

## VOID ITEM

Used to remove products from the current sale.

Halo (0 - No Limit)

This is the maximum sale amount for this key the sale.

Manager Required

This forces sign on of a management user

Compulsory Validation

This forces validation if a cancel is carried out (only on printer models with a validation option)

## VALIDATE

Use this key to initiate a single line validation (a printer with validation capability is required in the system)

## WASTE

Used to start and end entries of items that are wasted. A waste count is maintained for each item and the inventory is adjusted.

Manager Required

This forces sign on of a management user

Compulsory Validation

This forces validation if a cancel is carried out (only on printer models with a validation option)

Affect On Projections

Are the wastage values to be included in the product mix group

## X/TIME

Used for multiplication and split pricing.

Allow Split Pricing

This allows entry of fraction quantities i.e. 1 x/time3 x/time - will result in a 3<sup>rd</sup> of the items quantity and value being sold i.e. 1.00 sold @ 1/3 is 33.333

## KP ROUTING

The kitchen printing can be re-routed to another printer timed or on request

Manager Required

This forces sign on of a management user

Routing Period

This determines if the change of printing routing is stays until changed, for one item or stays down for one transaction.

# FUNCTION KEY - DEFINITIONS

---

## **NEW CHECK 1 – 4**

The standard recall check key, allows a check to be opened if it does not already exist. This is excellent in hospitality tracking, however for account management credit may not so readily be given. When this button is programmed accounts are not opened automatically. A warning will indicate an account does not exist if an attempt is made to open using the recall check. The new check button is used to open any new accounts. The programmability for this key is automatically picked up from the status of the Recall check key.

## **NO FOUND PLU**

If a code is entered or scanned that does not exist It is then possible using this key to create that item.

## **PRICE CHANGE**

This allows the price of an item to be changed. This can have prohibited or restricted allocated to the PLU.

Halo (0 - No Limit)  
Manager Required  
Compulsory Validation

This is the maximum sale amount for this key  
This forces sign on of a management user  
This forces validation if a cancel is carried out (only on printer models with a validation option)

## **ADD BALANCE**

This is a smart card function used to add monies to the card.

Manager Required  
Points Gain For Each #1.00  
Check Card Max Bal

This forces sign on of a management user  
This is the number of points gained for each 1.00 added.  
The Card has a maximum balance for the current cash balance This prevents monies being added which exceed that value.  
This determines if card details should be printed, which fields are printed is determined by the System Options – General Printing.

Print Card Details

## **SUBTRACT BALANCE**

This is a smart card function used as the opposite to ADD BALANCE in order to remove monies from the current cash balance on the smart card

Manager Required  
Points Gain For Each #1.00  
Print Card Details

This forces sign on of a management user  
This is the number of points subtracted for each £1.00 subtracted.  
This determines if card details should be printed, which fields are printed is determined by the System Options – General Printing.

## **ADD POINTS**

This is a smart card function used to manually increase the number of points on a card

Manager Required  
Print Card Details

This forces sign on of a management user  
Which card details should be printed is entered here.

## **SUBTRACT POINTS**

This is a smart card function used to manually decrease the number of points on a card

Manager Required  
Print Card Details

This forces sign on of a management user  
Which card details should be printed is entered here.

# FUNCTION KEY - DEFINITIONS

---

## REDEEM POINTS

This function key allows redemption of the points for cash. Points can be calculated for each price level of each PLU sold, also by adding monies to a smart card.

Manager Required  
Monies Gain For Each #  
Print Card Details

This forces sign on of a management user  
This is the amount of value of each point in cash  
This determines if card details should be printed, which fields are printed is determined by the System Options – General Printing.

## DISPLAY CARD

This is a smart card function key used to display a card holders details.

Manager Required  
Display :-  
Cardholder Reference  
Category  
  
Department  
Loyalty Balance  
Current Cash Balance  
Maximum Card Balance  
  
Name  
Date Of Birth

This forces sign on of a management user  
This determines which card details are displayed  
This is the unique alpha numeric reference number.  
This is the card category which can be crossed reference  
With the ECR category file for discounting and incentives.  
This is not utilised by the ECR.  
This is the current number of points for this card.  
This is the current cash balance of points for this card.  
This is the maximum monies which can be held in the current cash balance.  
This is the name of the card holder.  
This is the date of birth of the card holder and can be optionally checked for birthday

## PRINT CARD

This is a smart card function key used to print a card holders details.

Manager Required  
Print:-  
Cardholder Reference  
Category  
  
Department  
Loyalty Balance  
Current Cash Balance  
Maximum Card Balance  
  
Name  
Date Of Birth

This forces sign on of a management user  
This determines which card details are displayed  
This is the unique alpha numeric reference number.  
This is the card category which can be crossed reference  
with the ECR category file for discounting and incentives.  
This is not utilised by the ECR.  
This is the current number of points for this card.  
This is the current cash balance of points for this card.  
This is the maximum monies which can be held in the current cash balance.  
This is the name of the card holder.  
Displays a message if it is the card holders birthday

## HOT LIST

This is a smart card function used to mark a card lost or stolen. The details are then placed in a hot list file, the maximum of which is set by the memory allocation. The card can be manually hot-listed by accessing this file in the program position.

Manager Required

This forces sign on of a management user

## DEL HOTLIST

This is a smart card function used to mark a card as no longer lost or stolen. The details are then removed from a hot list file, the maximum of which is set by the memory allocation. The card can be manually hot-listed by accessing this file in the program position.

Manager Required

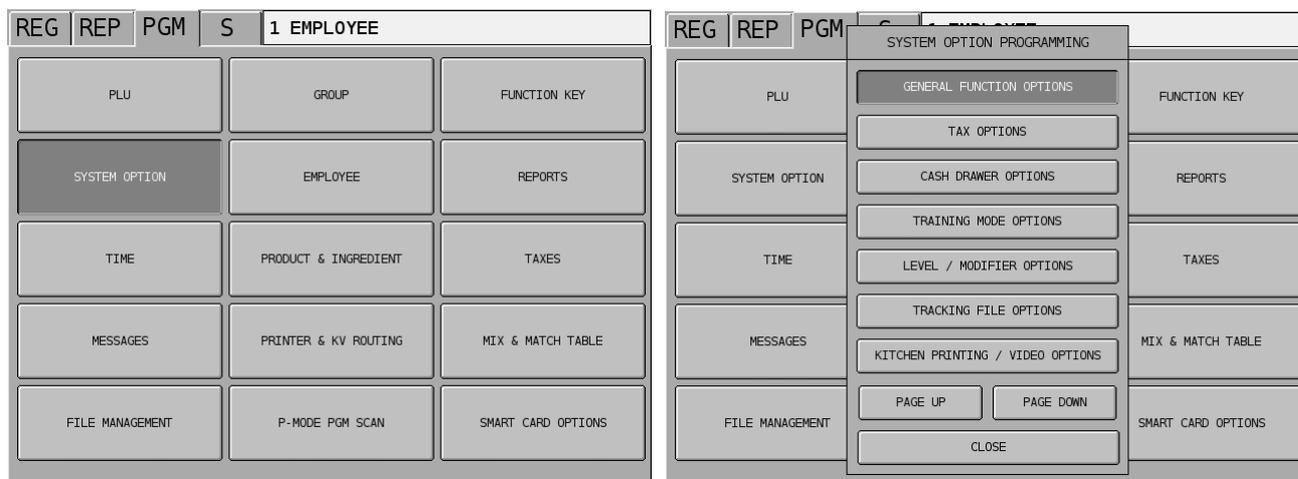
This forces sign on of a management user

## OPEN CARD (ABSCENT)

This key can be used to enter a Smartcard sale where the card is not present

# SYSTEM OPTIONS

The following allows customization of reporting and options using the register system options, these are sorted by category to assist the programmer in finding a specific option.



## GENERAL FUNCTIONS

### Manager Control In X-Mode

#### Negative Sales

This prevents minus priced products being sold in the register position. Manager access is required to continue the sale.

#### Negative Tender

This prevents transaction which are a minus value being finalised in the register position. Manager access is required to finalise the sale.

#### Zero Sales

This prevents transaction with zero sales figures being finalised in the register position. Manager access is required to finalise the sale.

#### Enforce Analysis 1,2,3: At the Begin of Sale.

This makes it compulsory to press one of the three totalisers keys at the beginning of a sale.

#### Before Tender

This makes it compulsory to press one of the three totalisers keys at the end of a sale. When using the analysis keys to compulsory change the printing to kitchen periods the analysis key would be forced at the beginning of the sale

#### Default Destination

This enables the most common of the three types of sales totalisers to be set as standard. It is possible to press either of the two alternative keys to switch the sales totals to another area.

#### Rounding On %

It is assumed as standard when a minus/premium calculation is carried out rounding with round up/off at the 3rd decimal place. This can be changed to round either down or off at the 3rd decimal.

#### Rounding On Split /Decimal Mult

This allows entry of fraction quantities i.e. 1 @/for 3 @/for - will result in a 3rd of the items quantity and value being sold i.e. 1.00 sold @ 1/3 is 33.333 It is assumed round up/off at the 3rd decimal. This can be changed to round either down or off at the 3rd decimal.

#### Consolidate Like Items

This combines items together i.e. 2 of PLU 1 would print PLU1, PLU 1 with this flag set it is 2 x PLU1

# SYSTEM OPTIONS

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## GENERAL FUNCTIONS

### Hash Options

When a product is set as HASH this means all totalisers for this product are not to be treated in the normal manner, i.e. added to gross, net etc. The Hash PLU can be added to various totalisers

### Activate Rounding On Cash

Design for the European market used to activate total rounding

### Activate Rounding On Subtotal

Design for the European market used to activate total rounding

### Rounding System

Design for the European market used to setup the rounding system criteria.

### Global Entry Limit (0-7 0=No Lmt)

This forces the system to only accept the number of digits entered here i.e. 4 digit means only 99.99 can ever be made as a sale. However remember that if you require a maximum of 99.99 sale it would be better to Enter 5 digits as to tender would require 100.00

### Direct Multiplication

Under normal circumstances a value which is entered then proceeded by a product is assumed to be a price entry. However with this flag on it is assumed to be a quantity this in turn eliminates the need for the x/time key. For example to sell 5 of product 1 you would not use 5 x/time product 1 but simple 5 product 1. This applies to pre-set items only.

#### **Enable: (Yes/No)**

#### **Maximum Digit (1-5)**

This is the maximum digits that can be entered for a quantity multiplication.

### Allow PLU Preset / Halo Override

When disabled prevents any product being sold as a manual price override of a pre-programmed price. This is a general setting, taking priority other program restrictions that may be in place for the products.

### Silent Key Depression

This prevents the system for making a key beep when a button is pressed.

### Allow Open Entry For Scale PLU's

This determines whether scaleable PLU's are to accept weight entry

### Deactivate Void Mode

This is a security feature to disallow completely the void mode on this terminal.

### Allow Copy PLU By Range

The program menu option copy program, allows various details to be copied from one to another such as screens for PLU's the copy parameters can be set so that a product is copied to another product or to a range or items.

### Allow Post Tendering

This allows the recalculation of change for the last sale, by entering the value and pressing Cash

### Employee: Popup/Staydown

This determines whether an employee remains signed onto the terminal when a sale is completed, this is referred to as stay down. The alternative is pop up which means as soon as a sale is finalised the employee is signed off forcing an employee code to be entered every transaction.

# SYSTEM OPTION – DEFINITIONS

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## GENERAL FUNCTIONS

### Employee Sign On

The employees can be signed onto the terminal in various ways. The most common method is to allocate employee buttons. Alternatively, they can use an employee code button. This allows you to use either the EMPLOYEE number which is the default sequential code or the OPERATING CODE which is a unique code programmed per employee.

### Qty Limit For X/Time Key

No multiplication quantity will be accepted which exceeds the value entered here.

### Error Buzzer is Spot

If set to Yes, error conditions will clear automatically after a momentary error tone displaying an error

### Guest Check Balance Halo (0=No Limit)

The sales value which can be stored against a tracking value can be restricted to a maximum limit, this can be programmed here for all tracking files 1 – 4 or against each individual store check key. The HALO message will appear to warn the operator the maximum balance has been achieved.

### Linked# Employee (1-10) Key

Ten push button employee sign on keys can be programmed to the screen they can be used to sign on any employee with the system. The employee's sequential number is allocated here. This enables that employee to be signed on at the press of a button.

### Allow Not Found PLU

Allow sale of a Not Found PLU on the cash register.

### Set Default Seat# To 1

The System can be programmed to enable individual seat allocation per guest for each tracking file. This allows each person to pay, their share of the overall bill. A total will be calculated for each seat allocated to items on a tracking bill. Normally seat numbers are entered when required, this option will automatically allocate each person seat number 1.

### Continue Macro When Macro Is Loop

This prevents macros from running in a continuous sequence.

### Enter Time For Transaction Void

The option to enter the time for voids, is used to ensure that reporting by time periods are correct. This is an optional feature for those wishing to manage hourly sales for analysis purposes. This would ensure a void for a sale made at a specific time can be done after that time yet still subtract from the correct hourly totalisers.

### Screen Saver (Minutes)

The display will turn off after the allocated number of minutes, a key press will activate the display. If an image is saved as LOGO.JPG on the terminal, this will display as the screen saver. Refer to the graphic image section of the manual for further information.

### Allow The Press (Newspaper) Code PLU

This allows the sale of the newspaper barcodes, which differ in format from the standard EAN 8 and 13 digit

### Allow Multiple Multiplication

Note:- This feature cannot be used with SPLIT PRICING or DIRECT MULTIPLICATION.

The quantity key will allow two entries before the sale of a product, these two entries are then multiplied together to give the total sales quantity for the product i.e. 5 x/time then 10 x/time = 50 items

### Allow Tax Shift By Analysis2

Used to apply tax to sales such as eat in or take out. The feature forces when the analysis 2 key is pressed the tax programming of the items is ignored and the tax relating to the analysis key to be applied.

## GENERAL FUNCTIONS

### **Tax Shift (Pop Up/Stay Down)**

When it is necessary to change the pre-programmed tax rate of an item using the tax shift key, the decision can then be made to allow that change to take place just for the item registered i.e. POP UP, or until another selection is made i.e. STAY DOWN.

### **Base Currency (Local Currency/Euro Currency)**

This allows the currency change to Euros in such time when all monies will no longer be Sterling etc. but is always accepted as Euros

### **Allow Clerk Interrupt**

This will allow employees to lay away a sale, this enables numerous staff to operate the terminal at once.

### **Allow Floating Clerk**

This allows employees to use any terminal in a multi EPOS site. Commencing a sale on one machine and moving the sale throughout the system for additions etc as they sign onto different terminals.

### **Clerk Change Without Sign Off**

This enables an operator to interrupt the sale in progress without the need of the original operator to sign off, providing a true clerk interrupt principle.

### **Geldarte Login Passwd**

This is a European feature not used in the UK and related to the German, EFT password.

### **Skip In Not Found PLU Registration:**

#### **Group Link #1 & Descriptor**

This allows both the Group Link and the Description to be removed from the NOT FOUND prompt required when creating a new product in the register position.

### **Subtract Change From Foreign1 Total**

This is designed for use during the change over period from home currency to Euros, at such time all home currency will be taken out of circulation and the Euros will be given as change.

### **Receipt Status On Operator Display**

This controls whether the RON / ROFF indicator is shown on the REG display, indicating which mode the receipt printing option is set to.

### **Audible Tone On Hot List**

This is used when a hot-listed smart card is detected it is optional whether a tone will be used in-conjunction with the warning message to advise the operator

### **Allow Card Issue**

It is possible to link the ECR to back office software for CARD ISSUE. If this is the case, then it is advisable to prevent card issuance on the ECR, using this flag.

### **Check Card Birthday**

A smart card optionally stores the card holders birthday. It is possible using this flag to prompt during a sale that is the card holders birthday.

### **Use Smart Card Groups**

It is possible to use the card group on card to identify particular card holders for special discount and sales incentives, dependent on the group number.

### **Card Reader Enable**

This enables the use of the Mag Card Reader.

# SYSTEM OPTION – DEFINITIONS

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## TAX OPTIONS

### **Tax Rounding Factor**

It is assumed as standard that a tax calculation resulting in more than 3 decimal places will be rounded up/off. This can be changed to round either down or off at the 3rd decimal place.

### **Vat Subtracted From Indiv PLU TtIs**

This system flag enables product values to be reported exclusive of the vat content.

### **Print Taxable Amounts On R/J**

This prints the value of the goods to which tax is to be applied on both the receipts and journals.

### **Taxable Status Indicators (Display & Print)**

When an item is linked to a tax rate it is also assigned a symbol relating to the tax table This assists with viewing of the tax totals on the receipts and relating them back to an individual item. It also serves as a useful check to ensure an item has been successfully programmed to the tax totals.

### **Print Tax Amounts At Tender**

This determines whether the amount of TAX charged will be printed on the receipt at finalisation.

### **Prnt Vat Tax Amount Separately**

This prints the value of the sale net of vat on the receipt.

### **Tax Print: (Combined/Itemized)**

This feature is designed to simplify the receipt issued. When products of different tax rates are sold the tax can be printed separately per rate, this is referred to as itemised. Alternatively the total tax due of all the rates can be displayed and printed, this is referred to as combined.

### **Print Tax Exempt Descriptor/TtIs**

When an item is exempt from tax this can be indicated on the receipt by printing both a descriptor and the value of the exempt amount. Tax exemption works in conjunction with function key system flags being programmed.

### **Print Subtotal Without Tax**

When adding tax to sale total, the total can be printed without the tax total added before the tax calculations are printed.

### **Do Not Show Food Stamp Indicator**

This is a European feature not used in the UK

# SYSTEM OPTION – DEFINITIONS

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## CASH DRAWER OPTIONS

### **Allow Sales With Drawer Open**

This enables sales to be made even when the drawer is open

### **C.I.D. Amount Limit**

When the system reaches the programmed limit the machine will warn the operator to take action and perform a PAID OUT sequence to reduce the CASH IN DRAWER totalisers.

### **Open Drawer During X Reports**

The cash drawer does not normally open when X reports are taken, This system flag opens the drawer at the appropriate times, allowing access to the drawer

### **Open Drawer During Z Reports**

The cash drawer does not normally open when Z reports are taken, This system flag opens the drawer at the appropriate times, allowing access to the drawer

### **Activate Open Drawer Alarm**

This works in-conjunction with the alarm time providing a warning when the drawer is open too long.

### **Open Drawer Alarm Time**

This is the time limit in seconds that the drawer can be open before the alarm activates.

### **Open Euro & Local Currency Drawer**

This used during the period the Euro is becoming legal tender in order to fire both the Euro currency and Home currency drawers.

# SYSTEM OPTION – DEFINITIONS

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## TRAINING MODE OPTIONS

### **Open Drawer In Training Mode**

The cash drawer is not normally required to open during staff training. This system flag allows for the drawer to open as normal.

### **Training Employee File #**

This is the employee number used to provide the training mode employee report totalisers. If a training mode report is required, one of the employee numbers is set aside for reporting purposes this employee is then no-longer used in the register position, but reserved for training mode report printing, usually printed out by selecting reporting of an individual employee number.

### **Allow Rear Display In Training**

The rear display can be disabled, so that no sales are shown, whilst training is being carried out.

### **Send Orders To The Kp/Kv In Training**

Whilst training mode is activated, the kitchen printing is not normally required. This options actives the printing as normal.

### **Print Journals In Training**

Using this system flag it is possible to enable or disable journal printing whilst training is taking place.

### **Print Receipts In Training**

Using this system flag it is possible to enable or disable receipt issuance whilst training is taking place.

### **Print "Training"**

The indicator TRAINING is displayed and printed, whilst the training mode is active to show the terminal is not operating in normal registration mode. This indicator can be suppressed.

### **Stock Is Deducted In Training Mode**

This will allow stock to be deducted for the PLU's current stock holding, whilst sales are made during training.

## LEVEL/MODIFIER OPTIONS

### Default Price Level

The terminal has five prices per product where that price can be allocated from any one of twenty price bands, which can be price activated for sale using a different price level key per price. This option determines which price level will be loaded as standard when the machine is turned on. The PRICE SHIFT keys will be required to switch from this level to an alternative.

### Price Level

The switch between levels can be programmed in three ways. Firstly STAY DOWN, in this instance when a PRICE SHIFT key is used, the new screen page selected will remain until the PRICE SHIFT key is pressed. The second option is POP UP; this forces the price to return to the default price level, when for the next item. The third option allows the level to stay during one transaction before returning

### PLU Mod Keys

Preceding a PLU entry a modifier key changes one digit of the PLU number, causing a different PLU to be registered. MODIFIER Keys can be set to change either the item code or the description only.

For example to modify the 3rd digit of a number by 2 would be 1 = 201 1001 = 1201 etc ideal for different sizes etc i.e. PLU 1 Pint 201 Half-Pint etc. Modifier keys can also be used for a different function. They act as text print keys, modify the description only of a product sold, providing instructions for products to be printed on receipts, KP orders etc.

This option is to determine whether the effect the modifier key is to stay active until another selection is made. This is referred to as Stay Down. The alternative is that the change takes effect solely for that product and normal operation will be resumed when the next product is sold. This is called POP UP. The third option allows the level to stay down one transaction before returning to original settings.

### Apply Modifier To Code Entry PLUs

The modifier change of a PLU can be programmed for screen items only .

### Modifier Overwrites Prev Modifier

If Y, only the last modifier entry will affect the PLU number. Use this setting when a PLU is modified only once, i.e. small/med/large. If N, several modifiers affecting different digit positions could be entered then affect the PLU registered. For example, size, crust type, and/or toppings could be

### Use Clerk's Price Shift Level

It is possible to change screen and price levels per operator, by specifying which levels are selected when sign on takes place. This determines if operator or function shifting is used for screen and price levels.

### Exit To Main Screen At Done Key On

When the DONE key is pressed, the operator will be taken back to the default screen.

### Default Screen Level

The terminal has two hundred completely independent screens programmed into the system. This option determines which screen will be loaded as standard when the machine is turned on.

### Exit to Main Screen At Finalization

This option takes the operator back to the main menu screen when the current sale has been finalised.

### Use Clerk's Default Screen Level

This option allows the clerk to sign on with the desired screen as set up in the employee programming options.

# SYSTEM OPTION – DEFINITIONS

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## TRACKING FILE OPTIONS

### **Automatic Transfer Check**

This refers to re-assigning a check opened by one employee to another employee. This automation allows transfer when an employee opens a check, or changes the operator whilst a check is open.

### **Checks Paid Slip Is Stub**

This produces an abbreviated bill, showing only financial information only.

### **Print Guest Check**

This prevents guest bills being printed at the terminal, even if a print check key is programmed, design to program the terminal as an order, not payment register.

### **Select Held Items On Recall**

The terminal operates a system, which allows the operator to prevent items being printed in the kitchen until requested. This is a feature used in-conjunction with the check tracking files allowing all held items to be automatically selected ready for printing the moment the check is opened. The items on hold are highlighted when a check is re-opened, eliminating the need to manual select each held item. The next stage pressing of PRINT HOLD will send the items to the printer.

### **Warn If Items Held At Finalize**

This indicates to the employee when a bill is being cashed off, that there were items still on hold that have not being printed.

### **Track 2 Holds Closed Chks Frm Trk1**

If this flag is activated, TRACK 2 is not to be used as a normal open check balance storage system. It is an archive for closed checks, which were opened on tracking method 1.

As a check is closed on tracking method 1, the data is stored in check files 2, available for reporting by printing OPEN CHECK TRACK#2 The maximum file size for data storage is determined by the MAXIMUM NUMBER of checks set in the memory allocation.

### **Track 4 Holds Closed Chks Frm Trk3**

If this flag is activated, TRACK 4 is not to be used as a normal open check balance storage system. It is an archive for closed checks, which were opened on tracking method 3.

As a check is closed on tracking method 4, the data is stored in check files 3, available for reporting by printing OPEN CHECK TRACK#4 The maximum file size for data storage is determined by the MAXIMUM NUMBER of checks set in the memory allocation.

### **Starting Check# 1 – 4**

When using the auto check number generation system this is the number from which the checks will begin to be generated, each file can have a different starting number.

# SYSTEM OPTION – DEFINITIONS

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## TRACKING FILE OPTIONS

### **Check Limit (0=No Limit) 1 - 4**

This is the maximum number that can be automatically generated by the terminal, and works in-conjunction with the starting check number, when the limit is reached the message, **buffer full** will appear until one of the existing checks is finalised.

### **Reset Check # 1- 4 At Z1 (Financial, Open Check, Never)**

When running a system with automatic check number generation, the check numbers can be reset back to the starting check number at one of three stages.

### **Show Backup Master Down Indicator**

If the system is programmed to allow the live check tracking data to be stored in another terminal this will be provided an indicator on the register display, showing the situation of the backup terminal, checking the status every time the IRC network is interrogated

# SYSTEM OPTION – DEFINITIONS

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## KITCHEN PRINTING/VIDEO OPTIONS

### **Print At KP:**

#### **Total Amount Line**

The sale total can be printed on the kitchen printer showing the total value for the items printed.

#### **Print Seat#**

This provides extra information for waitresses by printing the seat number of the food ordered.

#### **Order #**

This is especially useful when a check number is not used as the order number identifies what sale/customer the food produced is to be served to. This can also be used as a global order number providing a central consecutive number for all food orders printed in the kitchen.

#### **Transaction Void Items**

This will print items/sales removed from a sale to the kitchen printer indicating those items are no longer required.

#### **PLU Code**

This will print the PLU number alongside the description on the printer.

#### **PLU Price**

This will print the price of the product alongside the description on the kitchen printer, when used with the total amount line print; this provides a good substitute for a sales receipt.

#### **Bitmap**

This will print the external printer (download into the printer) graphics logo on the kitchen/remote order stub, providing the appropriate model of printer is used.

#### **Number Of Items**

This will print the total number of items for each kitchen ticket, i.e. when separated by group this will be the number of items for each group, starters etc. alternatively it is the total number of items on that particular ticket.

#### **Logo Message**

This will print the receipt logo message on the kitchen order, ideal for providing varying formats of stub receipts.

#### **Print At Kp#: Number Of Total Items**

When the system flag print number of items above is selected the quantity number printed on each ticket is relating to the number of kitchen items printed. However this flag will change that to the total number of items sold, which is printed on the receipt. Ideal as a piece count print option. 1 of 3 etc

### **Enable Sort Kp By Kp Group#**

The information is printed on the kitchen printer in the order the food was sold; however this may not necessarily be a logical order for the chef. It is possible using this system flag to identify the preparation group it refers to i.e. starter, main courses etc. A sale that is then entered in a random order will be re-sorted by the preparation group, programmed to the PLU status group.

### **# Line Feed At Begin Of Kp Print**

It is possible to feed the paper before information is printed; this in-turn makes the receipt issued longer. This system flag relates to items printed on the Kitchen Printer and not to the receipt.

### **# Line Feed At End Of Kp Print**

It is possible to feed the paper after information is printed; this in-turn makes the receipt issued, longer. This system flag relates to items printed on the Kitchen Printer and not to the receipt

### **Combine Like Items On Kp Or Kvs**

The same product can be printed separately when more than one has been sold or print consolidation on one line with a quantity and total value. This also applies to the kitchen video as well as the printer.

### **Send Order To Kp On Subtotal**

This flag sends items to the Remote Printer when the SUBTOTAL key is pressed.

# SYSTEM OPTION – DEFINITIONS

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## KITCHEN PRINTING/VIDEO OPTIONS

### **Send Order To Kvs On Subtotal**

This flag sends items to the Kitchen Video System when the SUBTOTAL key is pressed.

### **Print Voided Orders At Kp Or Kvs**

When food is no longer required. This options means items, voided on the terminal, are printed.

### **Kp Is: Real Time/Batch**

This flag controls when the items are printed to the kitchen printer. If the real time option is selected each item will be printed the moment it is sold; this results in one receipt per product. The alternative is to select batch printing, which prints items when the sale is complete producing a ticket for all items

### **Kvs Is: Real Time/Batch**

This flag controls when items are to be displayed on the Kitchen Video System. When Real time is selected the items are displayed. The alternative is batch; items are then shown at the end of sale

### **Use Kp Router: The Same For All Reg / Register Separately**

The terminal has the capability of four pages of kitchen printer output settings; each controlled by time, manually using the KP routing key or the analysis keys. The four pages can apply to the whole network, or each terminal can have four completely independent pages.

### **Kp Order#: Combine Reg#&Cons# / Global Order#**

The order number can be the combined register and consecutive number combination or used as a global order number providing a central consecutive number for all food orders printed in the kitchen.

### **Display Kp Time Period#**

This indicates on the register display, which one of the four printer pages is currently being printed to.

### **Display Kp Order#**

The order number being currently printed in the kitchen can be displayed on the register display.

### **Seperate Kp By Kp Group#**

Each product is linked to a kitchen print group, these groups are then allocated to the printer, separate printers can print any group once or up to nine times. This will print a receipt for each group.

### **Seperate By Kp Item**

A separate kitchen ticket can be issued per product, producing one order receipt per item.

### **Use Special Kp Order Form**

It is possible to print an additional kitchen order to the receipt printer, issued when the normal remote KP order is printed. Using the PLU Status group it is possible to include or exclude items from the order form.

### **Alpha Text To Kp**

Alpha Text entered can be printed to the Kitchen Printer using this option

# SYSTEM OPTION – DEFINITIONS

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## VALIDATION/SUBTOTAL OPTIONS

### **Validation Amt: Total / Tender**

When a sale requires validation the information printed can be one of two things either the total value of the sale or the value of money received/tendered.

### **Chk Valid Amt: Total / Tender**

When a cheque requires validation the information printed can be one of two things either the total value of the sale or the value of money received/tendered.

### **Activate Validation Sensor**

Validation can take place with or without a sensor being activated, the sensor is only required to be activated if operators require guidance as to whether the paper is inserted correctly. The availability of a sensor will also be dependent on the type of printer being used.

### **Allow Multiple Validations**

It is normal that an operator validates a sale only once for example cheques, however if this were used for tickets it may be necessary to validate the information onto multiple sheets.

### **Print Validation Message**

In addition to the sale being printed, there can also be a pre-programmed message printed.

### **Print Sbtl When Sbtl Key Pressed**

Subtotal is normally printed at finalisation this however allows a subtotal to be printed whenever the key is pressed, providing mid sale totals as well as the final subtotal.

### **Validation Port# (0 –6)**

This is the physical port number through which the validation printer is connected

# **SYSTEM OPTION – DEFINITIONS**

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## **GENERAL PRINTING OPTIONS**

### **Print On Receipt:**

This controls what will be printed on the receipt ticket.

### **Employee Name**

This programs whether the employee name will be printed on the receipt

### **Consecutive #**

This programs whether the consecutive transaction number will be printed on the receipt

### **Items By Group**

The products can be printed on the receipt in the order they were entered or can be sorted into their group, i.e. all food together, then all drinks, they are sorted using the PLU programmed Group#1

### **Date**

This programs whether the date will be printed on the receipt

### **Time**

This programs whether the time will be printed on the receipt

### **Preamble/Postamble**

It is possible to print a message at the top of the receipt; this is referred to as the PRE-AMBLE message. It is also possible to print a message at the bottom of the receipt this is referred to as the POST-AMBLE message. This programs whether the messages will be printed.

### **Order #**

The kitchen order number can be suppressed on the receipt printer

### **Seat #**

The Seat Number can be suppressed on the receipt printer

### **Receipt Feed Lines After Print**

The receipt can be increased in length by entering the number of extra lines to feed after printing. This applies only to receipt print, not kitchen printing. If an overall number of lines feed are required for the printer whatever the print, it is programmed in s-mode port definition.

### **Lines After Preamble**

It is possible to print a message at the top of the receipt; this is referred to as the PRE-AMBLE message. This programs how many extra lines are fed after the message before sales details

### **Lines Before Postamble**

It is possible to print a message at the bottom of the receipt this is referred to as the POST-AMBLE message. This programs how many extra lines are fed before printing the bottom logo message.

### **Buffered Receipt: Stub / Full**

When the receipt is printed after the sale is completed i.e. buffered the information printed can be an abbreviated financial stub or a full-itemised receipt.

# SYSTEM OPTION – DEFINITIONS

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## GENERAL PRINTING OPTIONS

### **Print Rcpt When Signing On/Off**

It is possible to issue a receipt for each employee that signs into the system for registration

### **Print Rcpt When Clocking In/Out**

It is possible to issue a receipt for each employee that clocks into the system for time clocking

### **Condense Tray Sbtl Receipts**

The system has a function called tray subtotals. This allows users to press a key; to issue a receipt for the items sold since the last press of the tray subtotal key. The sale is continued tray subtotal is pressed again within the sales to issue receipts for further items. It is then possible to finalise and receive a completed receipt. This feature is ideal when a ticket is required for items within a sale, as well as a payment receipt for the whole transaction. This option allows the printed information to be condensed, reducing the amount of paper used

### **Journal: Real Time / Batch**

The timing of the print to the journal can be controlled; real time means the moment a product is sold the information is printed. The alternative is batch printing; the information is printed at the end of sale.

### **Print PLU Code With Descriptor**

It is assumed not necessary as standard to print the product code of the item sold, as most clients do not refer to the code number. However in a scanning system or a retail environment this information may be required in addition to the product description. This flag prints the product code number every time the description is printed. I.e. when the product is used.

### **Transaction # Is Random Number**

The receipt identifying number can be changed from sequential to random if required.

### **Home Currency Symbol**

The monetary symbol for the country in which the machine is based. I.e. £s , Euros, etc.

# SYSTEM OPTION – DEFINITIONS

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## GENERAL PRINTING OPTIONS

### Converted Currency 1 Symbol

The symbol printed when money is entered using currency conversion key 1. Conversion one is the rate used for EURO conversion.

### Converted Currency 2 - 5 Symbol

The symbol printed when money is entered using currency conversion key 2 - 5

### Print Tender On Receipt

This controls whether the amount given by the customer for payment is printed on the receipt or whether the sales total only is printed.

### Disable Line Feed On Slip Printer

The slip printer is especially design to take loose-leaf paper, and automatically print in the appropriate position for a check on the paper. The position can be manually modified using a LINE FEED key. This option prohibits manual override.

### Date Print

This option toggles the date format between DDMMYY, MMDDYY, and YYMMDD

### Guest Check Preamble/Postamble

There are two types of logo messages, the standard sales receipt message, or the alternative guest bill check tracking message. This option decides which is to be used. I.e. the same sales receipt logo message on all prints outs, or a specific guest check message to be printed on bill. This may include messages like TIPS ARE AT YOUR DISCRETION, PLEASE SIGN HERE etc... not normally required on a standard sales receipt.

### Print Receipt Automatically

Irrespective of the receipt on / off settings, this flag will force the receipt on continuously.

### Print Rcpt After Time Clock Edit

This is an optional receipt print when the time clock wages data is edited manually in the X-MODE.

# SYSTEM OPTION – DEFINITIONS

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## GENERAL PRINTING OPTIONS

### Print In Double

This will print in double characters on then sales receipt the following

<b>Total</b>	This prints the subtotal of the sale in double size
<b>Tender</b>	This prints the monies given by the customer in double size
<b>Change</b>	This prints the change due in double size
<b>Order#</b>	This prints the kitchen order number in double size

### Print As Foreign Currency 1

Foreign Currency 1 is normally the Euros, this feature helps deal with the necessity of dual pricing in Euros. Each of the following determines when the home currency rate is to be printed along with the EURO total.

<b>Total</b>	This prints the total of the sale in Euros as well as home currency
<b>Tender</b>	This prints the value of monies given in Euros as well as home currency.
<b>Change</b>	This prints the total of change given in Euros as well as home currency.

### Print Guest Check Print Count On GC

This will print at the bottom of each bill produced, the number of times the bill has been issued.

### Print Number Of Items On Receipt

This will print the total number of items purchased for this sale on the sales receipt

### Disable Printing In Currency Conv

When converting a total from home currency to a foreign currency, there is standard information printed, the following can be suppressed.

<b>Change Rate</b>	This is the current rate of exchange used for the conversion
<b>Foreign Amount</b>	This is the value entered for payment in the foreign currency.
<b>Home Amount</b>	This is the value entered for payment in foreign currency converted to the equivalent in home currency.

### Print All Currency In Conv2-5 Op.

This allows when using Euros dual pricing and payment in a further currency to print both the information in Euros also in the currency by which the sale is to be paid.

<b>Total</b>	This prints the total of the sale in Euros as well as home currency
<b>Tender</b>	This prints the value of monies given in payment in Euros as well as home currency.
<b>Change</b>	This prints the total of change given in Euros as well as home currency.

### Print Group Name When Printing Items By Group

When the receipt is sorted by group it is possible to have the group name printed at the top of each group section.

### Allow Multiple Receipts

The will allow/disallow multi copy receipts to be printed.

### Print Group Totals For Item By Group

When a receipt is set to sort by group and print group name, it is possible using this flag to print a gross subtotal value for the group

### Do Not Print PLU For Item By Group

This will suppress the printing of PLU's and print only the group totals. This is used in-conjunction with the PRINT GROUP TOTALS FOR ITEM BY GRP flag.

# SYSTEM OPTION – DEFINITIONS

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## GENERAL PRINTING OPTIONS

### In Finalizing Card Sale, Print

Working in conjunction with the print card details flag on the smart card function keys, this determines what card details should be printed

**Cardholder Reference  
Category**

This is the unique alphanumeric reference number.  
This is the card category, used for discounting and incentives.

**Department**

This is not utilised by the ECR.

**Current Loyalty Balance**

This is the current number of points for this card.

**Cash Balance**

This is the current cash balance of points for this card.

**Max Card Balance**

This is the maximum money, which can be held in the current cash, balances.

**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

**Old Loyalty Balance**

This is the value of points at the start of the transaction

**Old Cash Balance**

This is the value of monies on the card at the start of the transaction

**Points Accrued**

This is the number of points gained

# SYSTEM OPTION – DEFINITIONS

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## REPORT PRINTING OPTIONS

**Zero Skip:** This option Enables or Disables zero values to be shown on the following reports

<b>Financial Report</b>	Enable zero skip on the financial report
<b>PLU Report</b>	Enable zero skip on the PLU report
<b>Employee Report</b>	Enable zero skip on the Employee report
<b>Group Report</b>	Enable zero skip on the Group report
<b>Time Period Report</b>	Enable zero skip on the Time Period Report
<b>All Other Reports When Printing</b>	Enable zero skip on all other reports in the REP mode

### **Print % Of Sales On PLU Report**

The product report prints as standard the quantity and value sold per product this can then be used to calculate the percent value of total sales that item has achieved.

### **Print Linked Groups On PLU Report**

The products can be linked to groups for sales analysis by category; it is possible to print this number on the report to help identify the product category.

### **Promo/Waste Totals On PLU Report**

It is possible to print along side the products sales information the quantity of items that have been issued as wastage, also the number of items that have been sold as promotional products.

### **Indiv Item Usage Qty On PLU Report**

This will print not only the total quantity sold, but also the total usage which is calculated from an addition of quantity sold + Promotion Products + Wastage items.

### **Count On Time Report Is: Customer / Guest**

The hourly report indicates the value of sales made during that time. The counter can be either the total number of transactions per hour referred to as the customer count. The alternative is using the GUEST# key that totals the number of guests i.e. how many people have visited the establishment.

### **Use Function Key Descriptor In Report**

When the default description of the function key is changed from the default settings this alternative description will print during registration, the choice determines whether the description is to be used for reporting or whether the default settings are to be used.

### **Print Min Stk Rpt After Finan Report**

Any product where the stock is below the minimum stock level will appear at the bottom of the financial report, resetting the minimum stock report when the financial report is issued as a Z. This assumes that the stock items have been re-ordered and are no longer required on the minimum stock report.

### **Print Grand Total On Financial Report**

This will print / suppress print of the running grand totals on the financial report.

### **Print Groups By Employee Report After Employee Report**

When the employee financial report is printed it is possible using this flag to automatically print the group by employee report which shows the sales group breakdown per employee

## REPORT OPTIONS

### **Only Ttl On Product Mix Group Report**

The product mix groups are used to identify item usage and sales of selected products by time range. This flag changes the format of the report from a time period analysis per product group to a total analysis per group, reducing the length of the report.

### **Only Items With Actual Inv Entry**

When set this will only print out ingredients that have an actual stock figure entered for them.

### **Cash Declaration Compulsory**

This system flag forces the operator to enter the value of monies in the drawer before reporting

### **Sign On Employee Before Reports**

It is not compulsory for an employee to be signed into the system before producing a report. However if extra security is required, this flag can be activated forcing employee sign on before reporting

### **Enforce Actual Inventory Before Z1**

This forces the current stock situation for each ingredient to be entered before reporting

### **Retain Actual Inv Entries In X1**

This prevents the ingredient stock figures entered in X mode prior to the report from being cleared, i.e. once the current stock situation has been entered and a variance report produced should this information be retained or cleared

### **Reset PLU Report At Inventory Z1**

This will reset the PLU sales quantity and value report when resetting ingredient inventory information. This should be considered carefully as an option, ensuring that your intentions are to reset PLU sales

### **Reset Inventory Report At PLU Z1**

This will reset the ingredient inventory data when the PLU sales quantity and values are reset. This should be considered careful as an option, ensuring that your intention to reset the information is what you require.

### **Time Keeping: Minutes / 100units**

The clocking In/Out option can calculate labour costing based on minutes or 100s of an hour, Minutes are option most commonly required In the UK.

### **Omit Tax Totals From Net Sales Gt**

The system a running financial totals this, as standard will include any tax charged. This can be omitted

# SYSTEM OPTION – DEFINITIONS

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## REPORT OPTIONS

### **Allow Z Of Open Check Reports**

The system assumes that all checks opened will be paid it is possible to allow or disallow clearing of these.

### **Confirm Before Totals Clear On Z**

If this flag is set the system will request a key press once a Z report is run to activate clearing of the totals. It is a security measure to ensure the operator is aware of their actions.

### **Reset After Financial Z Report: -**

#### **Gross Sales Gt**

This is the running total of the retail value of goods sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL

#### **Net Sales Gt**

This is the running total of the monetary value of goods sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL

#### **Negative Sales Gt**

This is the running total of all negative products sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL

#### **Z Counter**

This counter is used to show the total and number of each type of report that have been taken. Resetting starting the numbering each time a Z report is taken.

#### **Consecutive #**

This counter is used to number each receipt that has ever been issued. This resets and starts the numbering each time a Z report is taken.

#### **Void Mode Totals Add To Grand Ttl**

The running grand totals are totals of sales and financial information for goods and moneys received; Voids are normally deducted from these totals It is possible to reverse this and add voids taken to the totals. It is not the norm to set this flag; there are certain environments where it is applicable.

#### **Allow Z With Open Orders Check#1 - 4**

It is possible to decide whether the system will allow resetting of the terminal when there are open balances. This can be defined for each of the tracking files independently

#### **Only Items With Current Inventory**

The ingredient stock report can be printed only for items, which have a total within the current inventory field

#### **Allow Z With Open Clerks**

This will allow/disallow reports to be taken when there is a sale outstanding on a clerk.

# **SYSTEM OPTION – DEFINITIONS**

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## **TIME KEEPING OPTIONS**

### **Overtime Hour Is Used For: Day / Week**

Overtime can be paid on the number of hours worked per day or week. I.e. 8 hrs a day or 37 hrs per week.

### **Hours Per Overtime Starts**

Once an employee's total hours worked have reached this point then an overtime rate will be paid.

### **Overtime Factor**

This is the ratio of the pay rate for overtime for example 1.5 will indicate time and a half.

### **Enforce Out For Break Or Out Entry**

This enforces the employee to enter why they are clocking out either for a break or to clock off

### **Tip Reporting % Of Sales**

The tips earned can be calculated as a ratio of sales that each employee has achieved. This is the percentage value employees will earn

### **Employee Time-In/Out: Clock In Code / Employee#**

There are various employee restrictions for clocking on to the system. The standard register sign on code can be used as the clock in code, or an alternative separate clock in code can be allocated. This option determines which code is to be used for time in/out operation.

# SYSTEM OPTION – DEFINITIONS

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## E.J & DETAIL PRINTING OPTIONS

### Activate Electronic Journal?

This enables the electronic journal, allowing storage of all actions made on the terminal and then are stored to the memory for reporting.

### Display E.J. Buffer Full Warning?

The terminal has a maximum number of lines allocated in the initial memory allocation. When this is reached the terminal can display a warning indicating it is time to take a reset report.

### E.J. Override When Buffer Full?

When the maximum limit is reached a reset can be forced to clear the totals. The alternative is to start at the oldest information stored and begin to overwrite the information, providing a continuous loop. It should be noted, the oldest data is overwritten and cannot be reported on.

### Send To Electronic Journal

All information can be sent to the terminal and when reported extracted as required i.e. all Cash Transactions, Voids etc. The alternative is to send only the information that you require. This will save on the memory required, as only part information is stored. The system then ceases to operate as a true journal of all transactions but provides a monitoring system for the information that you require tracking. The choices available are:-

<b>Cash Transactions</b>	- All cash sales made during normal operation
<b>Check Transactions</b>	- All check sales made during normal operation
<b>Misc. Tender Transactions</b>	- All Miscellaneous sales made during normal operation
<b>Transactions With %</b>	- All sales containing a discount or premium operation
<b>Recd Acct &amp; Paid Out</b>	- All received on account or Paid out sales transactions
<b>Return Transactions</b>	- All Merchandise Return sales transactions
<b>Transactions With</b>	- All transactions containing an error correct or void.
<b>Err Correct &amp; Void</b>	
<b>No Sales</b>	- All Transactions containing no sale operations.
<b>Cancel Transactions</b>	- All Register Mode cancelled transactions
<b>Transactions With Negative</b>	- All Transactions with negative product sales.
<b>Reports</b>	- All Read & Reset reports which are printed
<b>Program Scans</b>	- All Program scans, which are printed.
<b>Check Tracking</b>	- All movement on open checks can be stored
<b>Clerk Interrupt</b>	- All sales where a balance has been store by a clerk.
<b>Points Payment</b>	- All sales where loyalty points have been used to pay for goods

### Send To Detail

When an electronic journal is not used, it is possible to use an external detail audit printer. The following information can be printed.

<b>Transactions With Negative</b>	- All transactions with negative products
<b>Reports</b>	- All Read and Reset reports, which are printed
<b>Program Scans</b>	- All Program scans, which are printed.
<b>Trans. W/Out Negative Items</b>	- All transactions with none negative product sales

# TAX

Tax can be programmed as addition where the value of tax is added to each product's retail price or extraction where the system calculates the amount of VAT included within a sale

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		

TAX PROGRAMMING		
TAX #	TYPE	RATE
TAX #1	VAT	17.500
TAX #2	ADD ON	00.000
TAX #3	ADD ON	00.000
TAX #4	ADD ON	00.000
TAX #5	ADD ON	00.000
TAX #6	ADD ON	00.000
CLOSE		

# MESSAGES

Various texts can be reprogrammed changing the default settings. It is also possible to program receipt and bill header/footer messages in this section. A list of all pre-programmed descriptors can be printed using the program scans options. It is also possible to load all default descriptors using the service mode.

REG	REP	PGM	S	1 EMPLOYEE		
PLU	GROUP	MESSAGES			FUNCTION KEY	
SYSTEM OPTION	EMPLOYEE	LOGO MESSAGE			REPORTS	
TIME	PRODUCT & INGREDIENT	ERROR MESSAGE			TAXES	
MESSAGES	PRINTER & KV ROUTING	SYSTEM DESCRIPTORS			MIX & MATCH TABLE	
FILE MANAGEMENT	P-MODE PGM SCAN	REPORT DESCRIPTORS			SMART CARD OPTIONS	
		CHECK ENDORSEMENT MSG				
		GUEST CHECK LOGO MSG				
		VALIDATION MESSAGE				
		CLOSE				

## Logo Message

Used to program the sales receipt Post-amble header message and Pre-amble footer message, The justification selection can be used to auto centre etc the programmed messaged.

## Error Message

This can be used to change the default error message to your own custom requirements.

## System Descriptors

This contains the terminals default descriptions such as SUBTOTAL, TAXES etc. This option can used to change the default settings to your own custom messages.

## Report Descriptors

This can be used to change the default report descriptions such as GROSS, NET etc to your own requirements.

## Check Endorsement Msg

This can be used to program the message that will be printed on a check when the endorsement key is used.

## Guest Check Logo Msg

Used to program the guest bill tracking receipt Post Header message and Pre-amble footer message, The justification selection can be used to auto centre etc the programmed messaged. The option to use guest message or receipt message when printing a bill is programmable in the system options

## Validation Message

Used to print a message when the validation feature is in use.

# TIME PERIOD

Memory allocation determines whether there are 24, 48, or 96 time periods. Time periods will default to hourly periods if 24 periods are selected in memory allocation; 30 minute periods if 48 periods are selected; 15 minute periods if 96 periods are selected.

Time periods can be set to custom lengths using this program. If fewer periods are needed than are available, these periods can be made inactive so that they will not appear on reports. To remove a period, replace the "Y" (active) for the period with an "N" (inactive). All time units are based upon a 24-hour clock

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		TIME		REPORTS		
TIME		TIME PERIOD		TAXES		
MESSAGES		TIME ACTIVATED FUNCTIONS		MIX & MATCH TABLE		
FILE MANAGEMENT		P-MODE PGM SCAN		SMART CARD OPTIONS		
		CLOSE				

TIME PERIOD PROGRAMMING																			
# OF PERIODS SET IN MEMORY : 24																			
1	00	:	00	:	00	:	59	:	YES	13	12	:	00	:	12	:	59	:	YES
2	01	:	00	:	01	:	59	:	YES	14	13	:	00	:	13	:	59	:	YES
3	02	:	00	:	02	:	59	:	YES	15	14	:	00	:	14	:	59	:	YES
4	03	:	00	:	03	:	59	:	YES	16	15	:	00	:	15	:	59	:	YES
5	04	:	00	:	04	:	59	:	YES	17	16	:	00	:	16	:	59	:	YES
6	05	:	00	:	05	:	59	:	YES	18	17	:	00	:	17	:	59	:	YES
7	06	:	00	:	06	:	59	:	YES	19	18	:	00	:	18	:	59	:	YES
8	07	:	00	:	07	:	59	:	YES	20	19	:	00	:	19	:	59	:	YES
9	08	:	00	:	08	:	59	:	YES	21	20	:	00	:	20	:	59	:	YES
10	09	:	00	:	09	:	59	:	YES	22	21	:	00	:	21	:	59	:	YES
11	10	:	00	:	10	:	59	:	YES	23	22	:	00	:	22	:	59	:	YES
12	11	:	00	:	11	:	59	:	YES	24	23	:	00	:	23	:	59	:	YES
CLOSE																			

## # Of Periods Set In Memory

This is the initial setting of the number of periods

## Time Period

Each Time period can be altered from the defined time ranges providing now two time periods overlap, time periods can also be suppressed from printing.

# EMPLOYEE

The employee file contains information for register operators as well as employees who use the register only for time keeping.

Specific functions that are allowed or disallowed for each employee are determined by assigning the employee to an authority level.

Two 10 digit code numbers may be assigned for each employee. A time keeping code is used to clock in or out and a separate sign on code used to operate the register. The social security number is for reference only and appears only on reports.

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

EMPLOYEE# 1 PROGRAMMING						
EMPLOYEE #	1		NAME	1 EMPLOYEE		
OPTION#1	OPTION#2					
SOCIAL SEC #						
CLOCK IN CODE	0000000001					
OPERATING CODE	0000000001					
LINK TO AUTHORITY LEVEL	1					
	JOB1	JOB2	JOB3	JOB4	JOB5	JOB6
JOB CODE#	00	00	00	00	00	00
PAY RATE#	00	00	00	00	00	00
OPEN DRAWER# (0-2)	1					
PAGE UP	PAGE DOWN	CLOSE				

EMPLOYEE# 1 PROGRAMMING	
EMPLOYEE #	1
NAME	1 EMPLOYEE
OPTION#1	OPTION#2
TRAINING MODE	NO
DEFAULT PRICE LEVEL	00
DEFAULT SCREEN LEVEL (0-200)	000
MANAGER	NO
EDIT JOB CODES	EDIT JOB CODES
EDIT PAY RATES	EDIT PAY RATES
DALLAS KEY LINK	00000000000000
PAGE UP	PAGE DOWN
CLOSE	

## Employee #

This is the sequential program code held by the system

## Name

This is the clerk name entry field

## Social Sec #

This is a reference field for storing the employees official reference number

## Clock In Code

This is the code used for time in/out wages calculations

## Operating Code

This is the code used for registration procedures.

## Link To Authority Level

Each employee can be linked to one of nine different security levels, defined by the authority program

# EMPLOYEE

---

## **Job Code 1 - 6**

Each employee can perform up to six different jobs from waitress to bar manager. This code number is the reference number from the Job code file for the relevant job description

## **Pay Rate 1 - 6**

Each of the six jobs being performed can be allocated from the pay rate table a different hourly wage rate.

## **Open Drawer (0-2) #**

This is the cash drawer, which the operator will be using

## **Training Mode?**

Training mode can be accessed via REP-mode and applicable to the machine or for one employee

## **Default Price Level**

An employee can automatically change to a specific price level when they sign on

## **Default Screen Level**

All employees can have a different screen level when they sign on. For example bar staff can go to the drinks menu and a waiter can go to the food menu.

## **Manager**

This option defines whether the employee is set up as a manager. The option relates to management restrictions in the function key settings.

## **Edit Job Codes**

A breakdown of hours by job is also reported for each employee (The job codes to be used by all employees are set up here). There are 20 possible job codes. Each job code must be given a descriptor here.

## **Edit Pay Rates**

The pay rates to be used by all employees are set up here. There are 50 pay rates each job code for each employee can be allocated a different pay rate

## **Dallas Key Link**

If Dallas keys are being used then the key code is entered here for each employee.

# AUTHORITY

Each employee must be assigned to one of nine authority levels. The selections made here for each authority level determine the operations that are allowed for each employee linked to the level.

REG	REP	PGM	S	1	EMPLOYEE
PLU	GROUP	FUNCTION KEY	EMPLOYEE		
SYSTEM OPTION	EMPLOYEE	REPORTS	AUTHORITY LEVEL		
TIME	GROUPS BY EMPLOYEE	TAXES	EMPLOYEE CARD		
MESSAGES	CLOSE	MIX & MATCH TABLE	SMART CARD OPTIONS		
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS			

AUTHORITY LEVEL PROGRAMMING				
AUTHORITY LEVEL	1	DESCRIPTOR	LEVEL 1	
OPTION#1	OPTION#2	OPTION#3	OPTION#4	OPTION#5
1. CLOCK-IN/OUT ENTRY ONLY				NO
2. MUST CLOCK-IN BEFORE SALES				NO
3. CAN CLOCK-OUT WITH OPEN CHKS				NO
4. GUEST CHECK ENTRIES ONLY				NO
5. PAYMENT OF OWN GUEST CHECK				NO
6. PAYMENT OF ANY GUEST CHECK				NO
7. TRANSFER OF GUEST CHECKS				YES
8. VOIDING OF SERVICED ITEMS				NO

## Authority Level

The authority level number. Select which authority level to view/modify

## Descriptor

Each of the authority levels can be given a description for reference purposes.

## Clock In/Out Entry Only

This allows an employee solely to use the time clock feature

## Must Clock-In Before Sales

This forces an employee to clock in before any register sales can be made.

## Can Clock-Out With Open Chks

This controls whether an employee can close a session with outstanding balances on a check.

## Guest Check Entries Only

This provides a restriction on employees allowing them only to operate the check tracking system

## Guest# Entry On New Checks

This forces the entry of a guest number on new checks

## Payment Of Own Guest Checks

This provides restriction-allowing employees only to receive payment of checks opened by them

## Payment Of Any Guest Checks

This provides restriction-allowing employees only to receive payment of any checks opened

## Transfer Of Guest Checks

This provides a restriction for the transfer of check details between employees

## Voiding Of Serviced Items

This allows control of voids within a check tracking system

## Allow Cancel After Recall

This allows an employee to use cancel with checks and clerk interrupt sales

## Clock In/Out Using MCR

Determines whether time in/out can be carried out using the MCR (peripheral option dependant)

## Sign In/Out Using MCR

Determines whether employee sign on can be carried out using the MCR (peripheral option dependant)

# AUTHORITY – DEFINITIONS

---

## **Allow Edit Any Checks**

The employee can access any open checks with no restriction to those opened exclusively by that employee

## **Allow Destination Change**

This allows the transfer of checks, movement of check numbers

## **Can Combine Own Soft Chks**

This controls access to the ADD CHECK feature, allowing the operator to combine any checks opened by themselves for payment.

## **Can Combine Any Soft Chks**

This controls access to the ADD CHECK feature, allowing an operator to combine any checks by any employee for payment

## **Table # Transfer In R-Mode**

This controls whether it is possible to change the allocated table number within the register mode

## **Can PLU Prc / Halo Override**

This controls whether the pre-set prices and maximum limits of the items can be overridden

## **Allow Set Date & Time**

This controls access to the X mode date and time programming option

## **Allow Time Clock Edit**

This control access to the X mode time in/out information edits option

## **Allow Cash Declaration**

This controls access to the X mode cash declaration option

## **Allow Price Level Change**

This restricts access to changing the price level settings.

## **Allow Employee File Edit**

The programming of the employee file can be restricted

## **Allow Print And Reset Of E.J.**

This provides control for the electronic journal reporting

## **Allow Job Code Edit**

This Restricts the changing of an employees Job code

## **Allow Pay Rate Edit**

This provides control over employee pay rate programming and amendments

## **Can Inventory Edit X Mode**

This provides control over as to where the inventory stock can be accessed for amendments

## **Allow Authority Level Edit**

This provides control for editing the Authority level options.

## **Comp Seat# For Each Entry**

This forces the entry of a seat number within a check tracking sales.

## **Enable Training Mode**

Access to the X mode training option can be restricted

## **Allow No Sale**

This provides restriction for the no sale function operation

# AUTHORITY – DEFINITIONS

---

## **Paid Breaks**

This determines when an employee has clocked out for a break whether time is paid as part of wage costing.

## **Manager Req. For Clock In**

This only allows clock in to take place in the X Manager Control mode.

## **Compulsory Tip Entry**

This forces the operator to enter a tip amount as they clock out of the system

## **Job Code Change**

This controls whether an employee is allowed to change the designated job description and allocated pay rate

## **Allow PLU Prc Change Only**

The program mode can be restricted so the operator can only program product prices

## **Disallow Stock Add In P**

The stock add option within the P mode can be restricted to prevent unauthorised access.

## **Disallow Stock Over In P**

The stock overwrite option within the P mode can be restricted to prevent unauthorised access.

## **Disallow Stock Sub In P**

The stock subtract option within the P mode can be restricted to prevent unauthorised access.

## **Allow Accessing REP, S Mode Without Password**

This controls whether the user can access the REP or S mode without having to enter a password

# PRINTER TABLES AND KV ROUTING

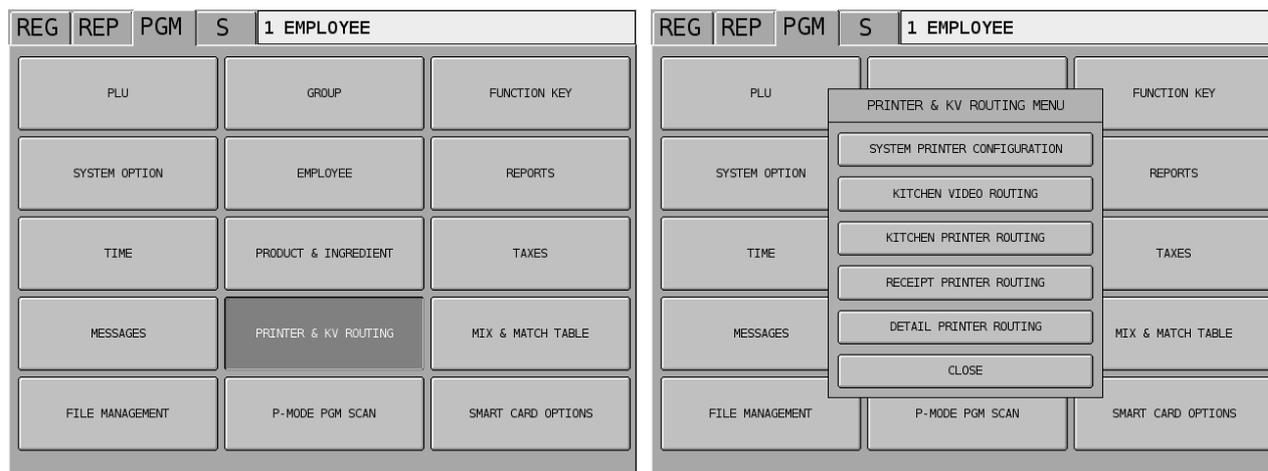
The printing system of an SPS-2000 register or system of registers is completely flexible. Up to 40 external printers can be defined and connected to any available serial port on any register within a system. Multiple printer functions can be assigned to the same printer, giving added flexibility. Before programming here, you must

- See "Define Port" in S-Mode Programming to define the type of device and to determine the port settings
- See "Printer Driver Selections" if you are using a printer other than the printers with predefined drivers, or if you need to customize a printer for graphics logo printing.
- Finally, proceed with the parts of this program that pertain to your application:

---

**Note.** External printer numbers range from 1 – 40

---



## System Printer Configuration

Every printer used within the system must be allocated a printer number within this menu option

## Kitchen Video Routing

The video display system must be activate within this menu option

## Kitchen Printer Routing

Each route required for printing must be allocated a printer number ranging from (1-40).

## Receipt Printer Routing

Each external receipt printer within the system must be allocated within this menu option

## Detail Printer Routing

Each external detailed journal printer within the system must be allocated within this menu option

# SYSTEM PRINTER CONFIGURATION

A list of all external printers and the port they are connected to is allocated within this option, the printer number is then used for allocation with the receipt, detail, and kitchen settings.

SYSTEM PRINTER CONFIGURATION					
PRINTER	DESCRIPTOR	MAIN		BACK UP	
		REG#	PORT#	REG#	PORT#
# 1	RECEIPT	01	1	00	0
# 2	KITCHEN	02	1	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

## Printer

This is a sequential number generated by the system that will be used to refer to the external printer throughout the system.

## Descriptor

This is a description of the task the printer will be carrying out i.e. Receipt-till 1, KP-till 2

## Main Reg#-Port#

This is the register number and the physical port number on that register the printer is connected to. This is the MAIN output, which will be used under normal circumstances

## Backup Reg#-Port#

This is the register number and the physical port number on that register the printer is connected to. This is the Backup output, which will be used when there is no access to the normal route

# KITCHEN VIDEO ROUTING

---

Use Kitchen Video Routing to define the location of the video controller. If you wish to designate a backup printer, in the event that the video system is not operational, enter the location of the back up here.

KITCHEN VIDEO ROUTING				
VIDEO#	DESCRIPTOR	MAIN REG#	MAIN PORT#	BACK UP PRINTER#
# 1	RECEIPT	02	2	01

CLOSE

## Video #

This is a sequential number generated by the system that will be used to refer to the video throughout the system

## Descriptor

This is a description of the task the video will be carrying out i.e. Main Bar 1, Kitchen 2.

## Main Reg#-Port#

This is the register number and the physical port number on the register that the video is connected to. This is the MAIN output, which will be used under normal circumstances

## Back Up Printer#

This is the backup printer number on the register that the video is connected to. This is the Backup output, which will be used when there is no access to the normal route

# KITCHEN PRINTER ROUTING

The kitchen printing can be controlled in various ways, There are four pages of printing, that can be allocated, to allow products to be printed on different printers depending on the settings or operation.

The four pages can be changed automatically as a time functions, sale type related using the three analysis keys, or operator definable using the KP routing key.

The current page/period for printing can optionally be displayed in register. There is also the added network control of the system running four pages for the whole network or four pages per terminal, with optionally a centrally controlled order number, or a number relating to each register, all these setting are controlled by program mode system options

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
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				

## Period#1

The system has four periods for kitchen printing; these can be timed so that as areas open and close the printed information is redirected. For example the restaurant will only be opening in the evenings therefore during the day all food receipts are to be printed in the bar with a timed switch when the restaurant opens in the evening. However the most common instance is one period. Depending on whether the terminal is programmed for a system set of four periods or independently per machine, will determine whether the register number field appears on the display allow programming of each period per terminal.

## Pt#

This is the number of the printer and is crossed reference with the networks master list of printers set in system printer configuration, which controls the output and terminal connections.

---

**Note.** External printer numbers range from 1 – 40

---

## Kp#

Each set of products is linked to a kitchen printer group using the PLU status groups i.e. setting a group for drinks and one for food. This group number is then set to be printer on the required printer. For example during the day the bar printer may print both group 1 drinks and group 2 food, which would be set to period on then during the evening the food may be printed on a different printer in the kitchen this is set in period 2

Eg Period 1      Printer 1 Bar Printer set to print 1,2      then  
 Period 2      Printer 1 Bar Printer set to print 1      and  
                   Printer 2 Food Printer set to print 2

# RECEIPT PRINTER ROUTING

---

This controls the routing of the external receipt printer, defining which terminal the printer is connected to; this is master list for the whole of the network.

RECEIPT PRINTER ROUTING			
REGISTER#	PRINTER#	REGISTER#	PRINTER#
01	01	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
PAGE UP	PAGE DOWN	CLOSE	

## Register#

This is the register number that requires a receipt printer; all registers must be allocated within this section

## Printer#

This is the printer number allocated in system printer configuration that is to be used. The information will then be routed down the channel, which was configured in that section

# DETAIL PRINTER ROUTING

---

This controls the routing of the external journal printer defining which terminal the printer is connected to. This is a master list for the whole of the network.

DETAIL PRINTER ROUTING			
REGISTER#	PRINTER#	REGISTER#	PRINTER#
01	03	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
00	00	00	00
PAGE UP	PAGE DOWN	CLOSE	

## Register#

This is the register number that requires a detailed journal printer; all registers must be allocated within this section

## Printer#

This is the printer number allocated in system printer configuration that is to be used. The information will then be routed down the channel, which was configured in that section

# INGREDIENT INVENTORY

It is possible to program products with a recipe number, when the product is sold the recipe is checked and the ingredient stock updated, providing stock and costing analysis.

**NOTE: Be careful not to confuse the separate and distinct inventory features**

- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix Groups - Usage analysis of a outers and units
- PLU Stock – Stock control of saleable products

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	PRODUCT & INGREDIENT		REPORTS	
TIME	EDIT INGREDIENT		TAXES	
MESSAGES	RECIPE TABLE		MIX & MATCH TABLE	
FILE MANAGEMENT	PRODUCT MIX ITEMS		SMART CARD OPTIONS	
	PRODUCT MIX GROUP TIME PERIODS			
	CLOSE			
	P-MODE PGM SCAN			

INGREDIENT PROGRAMMING		
INGREDIENT#	DESCRIPTOR	COST
001	BURGER	000.200
002	BREAD BUN	000.060
003	KETCHUP	000.010
004		000.000
005		000.000
006		000.000
007		000.000
008		000.000
009		000.000
010		000.000

PAGE UP    PAGE DOWN    CLOSE

RECIPE# 1 PROGRAMMING				
RECIPE#	1	DESCRIPTOR	BURGER MEAL	
ING/RECIPE	#	DESCRIPTOR	QTY	
01	INGREDIENT 01	BURGER	02.000	
02	INGREDIENT 02	BREAD BUN	01.000	
03	INGREDIENT 03	KETCHUP	01.000	
04	INGREDIENT 00		00.000	
05	INGREDIENT 00		00.000	
06	INGREDIENT 00		00.000	
07	INGREDIENT 00		00.000	
08	INGREDIENT 00		00.000	
09	INGREDIENT 00		00.000	
10	INGREDIENT 00		00.000	

PAGE UP    PAGE DOWN    CLOSE

## Ingredient#

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 to ensure that the stock is deducted from the relevant ingredients quantities

## Descriptor

This is the description of the ingredient

## Cost

This is the cost of the ingredient to the smallest possible usage i.e. gram, etc. that will be required

# INGREDIENT INVENTORY

---

## RECIPE TABLE

It is possible to link ingredients together to form a complete menu. Recipes can also be linked to other recipes to form a more comprehensive inventory.

### **Recipe#**

The first section is the sequential recipe reference number

### **Descriptor**

This section enables you to put in a descriptor for the recipe

### **Ing/Recipe**

This indicates whether the item to be entered is an ingredient file or a recipe ready to be included into this recipe

### **#**

This is either the ingredient number or the recipe number depending on the ING/RECIPE answer, Pressing DONE here will provide a list of either ingredients or recipes for selection

### **Ing/Recipe Descriptor**

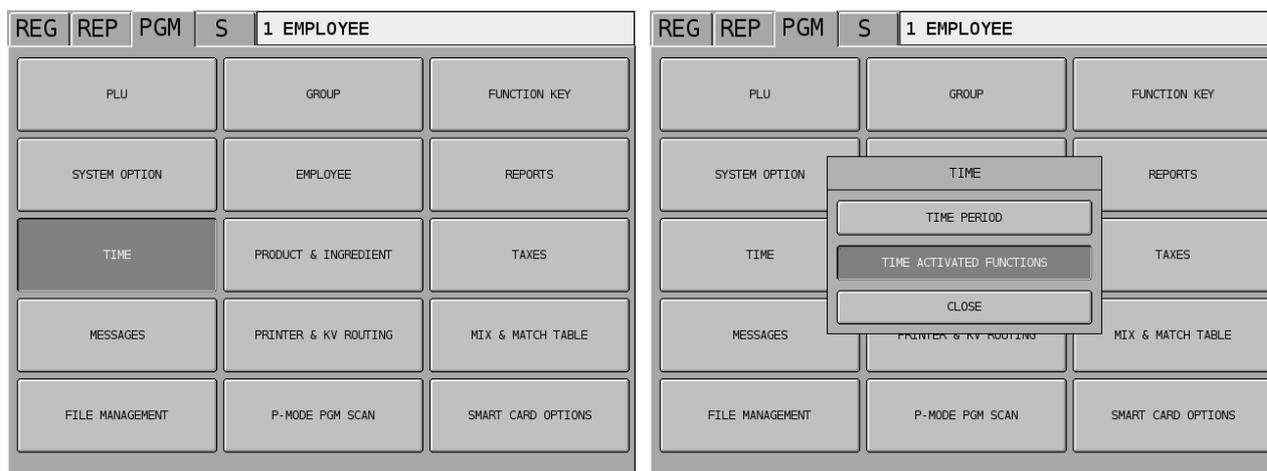
This automatically displays the description related to the code number entered as an ingredient

### **Qty**

This is the quantity of the ingredient to be updated when the relevant PLU linked to this recipe is sold.

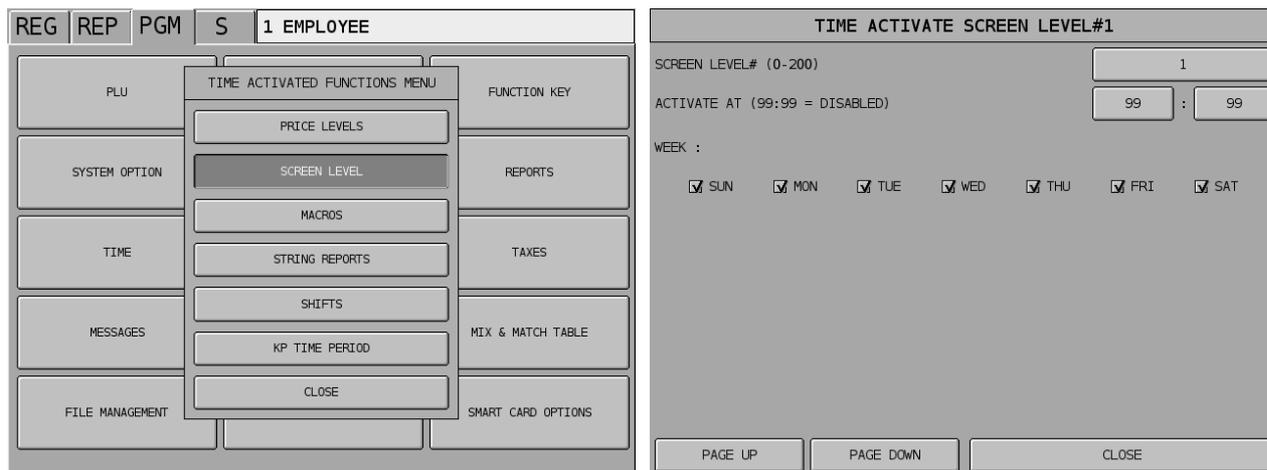
# TIME ACTIVATED PROGRAM

It is possible to automate a number of functions in order to provide a complete system management, levels can be changed, reports run, printer re-routed etc..



## SCREEN LEVEL

This automates the change of menu level keys at specific times, on specific days, reverting back when the next screen level is timed to commence.



### Screen Level #

This is the screen level 1 - 5 that is to be automated

### Activate At (99:99 = Disabled)

This is the time when the menu level is to switch from default to the LEVEL# no end time is required and the switch back again will also be programmed as an activated time change

### Week:

Days of the week can be included and excluded as required from this menu switch

# TIME ACTIVATED PROGRAM

---

## PRICE LEVEL

This automates the change to any of the twenty 'price sets' at specific times, on specific days, reverting back when the next price level is timed to commence.

TIME ACTIVATE PRICE LEVEL#1		
PRICE LEVEL#	1	
ACTIVATE AT (99:99 = DISABLED)	99	: 99
WEEK :		
<input checked="" type="checkbox"/> SUN	<input checked="" type="checkbox"/> MON	<input checked="" type="checkbox"/> TUE
<input checked="" type="checkbox"/> WED	<input checked="" type="checkbox"/> THU	<input checked="" type="checkbox"/> FRI
<input checked="" type="checkbox"/> SAT		
PAGE UP	PAGE DOWN	CLOSE

### Price Level #

This is the price level 1 - 20 that is to be automated, any products linked to the timed level will change price.

### Activate At (99:99 = Disabled)

This is the time when the price level is to switch from default to the PRICE LEVEL# no end time is required and the switch back again will also be programmed as an activated time change

### Week:

Days of the week can be included and excluded as required from price switch

# TIME ACTIVATED PROGRAM

---

## MACROS

This automates, the macro keys, which in turn run a sequence of function key presses. These run at specific times on specific days, reverting back when the next screen level is times to commence.

There are pre-programmed key sequences stored as macro; the automation will activate the sequence allocated to the macro key 1 - 40 that is selected.

---

**NOTE:** When using automated key macros it is advisable to ensure that the P-mode system flag, which allows macros running in a continuous loop, is turned off.

---

The screenshot shows a configuration window titled "TIME ACTIVATE MACRO# 1". It contains the following fields and options:

- MACRO#: 1
- ACTIVATE AT (99:99 = DISABLED): 99 : 99
- REPEAT EVERY MINUTES(0 = NO REPEAT): 000
- WEEK :  SUN  MON  TUE  WED  THU  FRI  SAT

At the bottom, there are three buttons: PAGE UP, PAGE DOWN, and CLOSE.

### Macro#

This is the macro key number to be automated

### Activate At (99:99 = Disabled)

This is the time when the function is to be activated

### Repeat Every Minute (0 - No Repeat)

It is possible to repeat the function every few minutes. This forms a continuous loop, and is therefore imperative you are aware of the actions to be carried out.

### Week:

Days of the week can be included and excluded as required from this automation

# TIME ACTIVATED PROGRAM

---

## STRING REPORTS

This automates the reporting, running a pre-designed collection of reports at specific times, on specific days.

TIME ACTIVATE STRING REPORT#1	
STRING REPORT#	1
ACTIVATE AT (99:99 = DISABLED)	99 : 99
REPEAT EVERY MINUTES(0 = NO REPEAT)	000
WEEK :	
<input checked="" type="checkbox"/> SUN	<input checked="" type="checkbox"/> MON
<input checked="" type="checkbox"/> TUE	<input checked="" type="checkbox"/> WED
<input checked="" type="checkbox"/> THU	<input checked="" type="checkbox"/> FRI
<input checked="" type="checkbox"/> SAT	
IRC OPTION :	STANDALONE
REG# ISSUES IRC STRING REPORT	00
PAGE UP	
PAGE DOWN	
CLOSE	

### String Report#

This is the report number to be automated

### Activate At (99:99 = Disabled)

This is the time when the report is to be activated

### Repeat Every Minute (0 - No Repeat)

It is possible to repeat the function every few minutes. This could create a continuous loop, and is therefore imperative you are aware of the actions to be carried out.

### Week:

Days of the week can be included and excluded as required from this automation

### Irc Option:

This gives you the option of stand-alone or IRC all

### Reg# Issues Irc String Report

The Register number that the string report has been created on needs to be entered in here

# TIME ACTIVATED PROGRAM

---

## SHIFTS

The system has a shift report comprising of 4 shifts. A new shift can be activated manually or automated. This will start a new period of financial storage.

SHIFT TIME PROGRAMMING						
SHIFT	DESCRIPTOR	START/END TIME				
1	MORNING	08	:	30	-	12 : 30
2	LUNCH	12	:	31	-	13 : 00
3	AFTERNOON	13	:	31	-	16 : 30
4		99	:	99	-	99 : 99
TTL						

CLOSE

### Description

This is enables a name to be allocated to each shift.

### Start / End Time

This is the time the shift commences/ends

# TIME ACTIVATED PROGRAM

---

## KP TIME PERIOD

Because it is sometimes necessary to change kitchen printer routing depending upon the time of the day, For example, separate hot and cold food kitchens may be active during lunch and a single kitchen active during dinner you can make assignments for four different periods. The active routing period can be controlled automatically to change the product printer.

Routing can also be allocated to be activated centrally using one master terminal or each terminal independent. If kitchen-printing changes are not required to be timed, the routing can be changed in register using either one of the three analysis keys or the KP routing key.

KP TIME PERIOD PROGRAMMING					
PERIOD	START/END TIME				
1	08	:	30	-	12 : 30
2	13	:	00	-	16 : 30
3	99	:	99	-	00 : 00
4	99	:	99	-	00 : 00

CLOSE

### Start Time

This is the time the switch to a different kitchen period will change

### End Time

This is the time the switch to the new range of kitchen printer will end.

# PRODUCT MIX GROUPS PROGRAM

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

**NOTE: Be careful not to confuse the separate and distinct inventory features**

- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix Groups - usage analysis outers and units
- PLU Stock – Stock control of saleable products

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

PRODUCT MIX ITEM PROGRAMMING			
ITEM#	DESCRIPTOR	PCS/UNIT	UNIT DESC
001	BRANDY	032	BOTT
002	TETLEY DRAUG	016	GAL
003		000	
004		000	
005		000	

CLOSE

## PRODUCT MIX GROUPS

The product mix groups are allocated to a PLU when the product is sold the PLU piece count is checked, and the product group updated by the usage of the piece count. Multiple PLU's can be linked to one Mix group

### Item#

This is a sequential product mix group number

### Descriptor

This is description of the item to be tracked i.e. beef burgers

### Pcs/Units

This is the number of items in case i.e. 12 burgers per case

### Unit Desc

This is the description of the case i.e. 12 Burgers are a DOZEN

## PRODUCT MIX TIME PERIOD

Memory allocation determines whether there are 24-Hourly, 48-Half Hourly or 96 - 15mins product mix time periods. Periods can be set to custom lengths using the program. If fewer periods are needed than are available, then the unused deactivated, using the Y/N toggle.

# MIX & MATCH TABLE PROGRAM

---

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.

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		

## Promotion Table#

This is the mix and match table number; this will be allocated to the PLU products to activate the Promotion

## Descriptor

This is the Promotion description that will be printed on the sales receipts, indicating the reason for the discount i.e. 2 for 1, or Buy one get one free

## Discount Price

This field indicates the amount that will be deducted from the sale when the Fixed Qty value is reached.

## Fixed Qty

For the promotion to trigger the PLU's sold needs to match value entered into the fixed quantity field before the discount is given

# CUSTOM REPORT

## CUSTOM REPORTS PROGRAMMING

One custom report can be created, with up to 50 totals and counters. The report is built by selecting totals that also appear on other register reports. The custom report also has the ability to add or subtract selected totals to create a new subtotal of selected information.

When the custom report is cleared the reports from which the totals were selected are left untouched. The custom report is not available across the IRC network.

#	RPT #	TTL #	RED	+/-	DESCRIPTOR
01	1	001	NO	NONADD	+PLU LVL1 TTL
02	2	003	NO	NONADD	02:00 - 02:59
03	0	000	NO	NONADD	
04	0	000	NO	NONADD	
05	0	000	NO	NONADD	
06	0	000	NO	NONADD	
07	0	000	NO	NONADD	
08	0	000	NO	NONADD	
09	0	000	NO	NONADD	
10	0	000	NO	NONADD	

### #

This represents the line number of the report.

### Rpt#

This is the report number to be used. The report numbers can be found on the X/Z menus

### Ttl#

This is the totalisers from the report i.e. Report 1 financial total 1 (line 1) +PLU LVL 1 TTL  
 999 - Provides a custom subtotal line  
 998 - Prints a dashed line separator

### Red

Print in RED providing the printer has red black capabilities

### + / -

This is used to indicate if the total on this line is to be added or subtracted to create a new subtotal. When the TTL# code i.e. 999 is entered on a later line. Previous totals with are + / - designation are added and printed.  
 998 Prints a dashed lined across the report.

### Descriptor

This is the default description of the totalisers selected, this can be changed if required

---

**Note:** Use the total #998 to create a dashed separator line on the report.  
 Use the total #999 to create a subtotal line.

---

The subtotal line will calculate the totals designated "+" or "-" that appear sequentially after the previous subtotal line. Enter a custom descriptor for the subtotal line.

# EDIT EXISTING REPORTS

## EDIT EXISTING REPORTS

It is possible to determine whether information is printed in black or printed in red on existing financial and employee reports. This works in-conjunction with the zero skip system flag.

REG	REP	PGM	S	1 EMPLOYEE		
PLU	GROUP	FUNCTION KEY				
SYSTEM OPTION	REPORTS		REPORTS			
	CUSTOM REPORT		FINANCIAL REPORT			
TIME	EMPLOYEE REPORT		TAXES			
MESSAGES	STRING REPORT		MIX & MATCH TABLE			
	CLOSE					
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS				

EDIT FINANCIAL REPORT			
TTL#	DESCRIPTOR	PRINT	RED
001	+PLU LVL1 TTL	YES	NO
002	-PLU LVL1 TTL	YES	NO
003	+PLU LVL2 TTL	YES	NO
004	-PLU LVL2 TTL	YES	NO
005	+PLU LVL3 TTL	YES	NO
006	-PLU LVL3 TTL	YES	NO
007	+PLU LVL4 TTL	YES	NO
008	-PLU LVL4 TTL	YES	NO
009	+PLU LVL5 TTL	YES	NO
010	-PLU LVL5 TTL	YES	NO

PAGE UP      PAGE DOWN      CLOSE

### Ttl#

This represents the line number of the report.

### Descriptor

This is the description of the field.

### Print

This determines if the field will be printed on the report it is a Yes / No option

### Red

This determines whether the field will print RED (providing the printer has Red/Black capabilities)

# STRING REPORT

It is possible to group reports together so that all information is printed at once when the string report is selected from the reporting menu. It is also possible using the timed activation function to automate the report printing.

#	X/Z	RPT LVL (1-5)	RPT #	DESCRIPTOR
01	X	1	01	FINANCIAL
02	X	1	03	ALL PLUS
03	X	1	13	EMPLOYEES
04	X	0	00	
05	X	0	00	
06	X	0	00	
07	X	0	00	
08	X	0	00	
09	X	0	00	
10	X	0	00	

## String Report #

This is the number of the report to be programmed

## Descriptor

This is the name that will appear on the report menu.

## #

This is the sequential order of the reports.

## X/Z

This determines what type of report is to be printed X - Read, Z-Reset or current, depending on the position of the mode lock at that time.

## Rpt Lvl (1-5)

This relates to the reporting area any one of the five can be selected for reporting

## Rpt#

This is the report number to be printed

## Descriptor

This is the name of the report to be printed

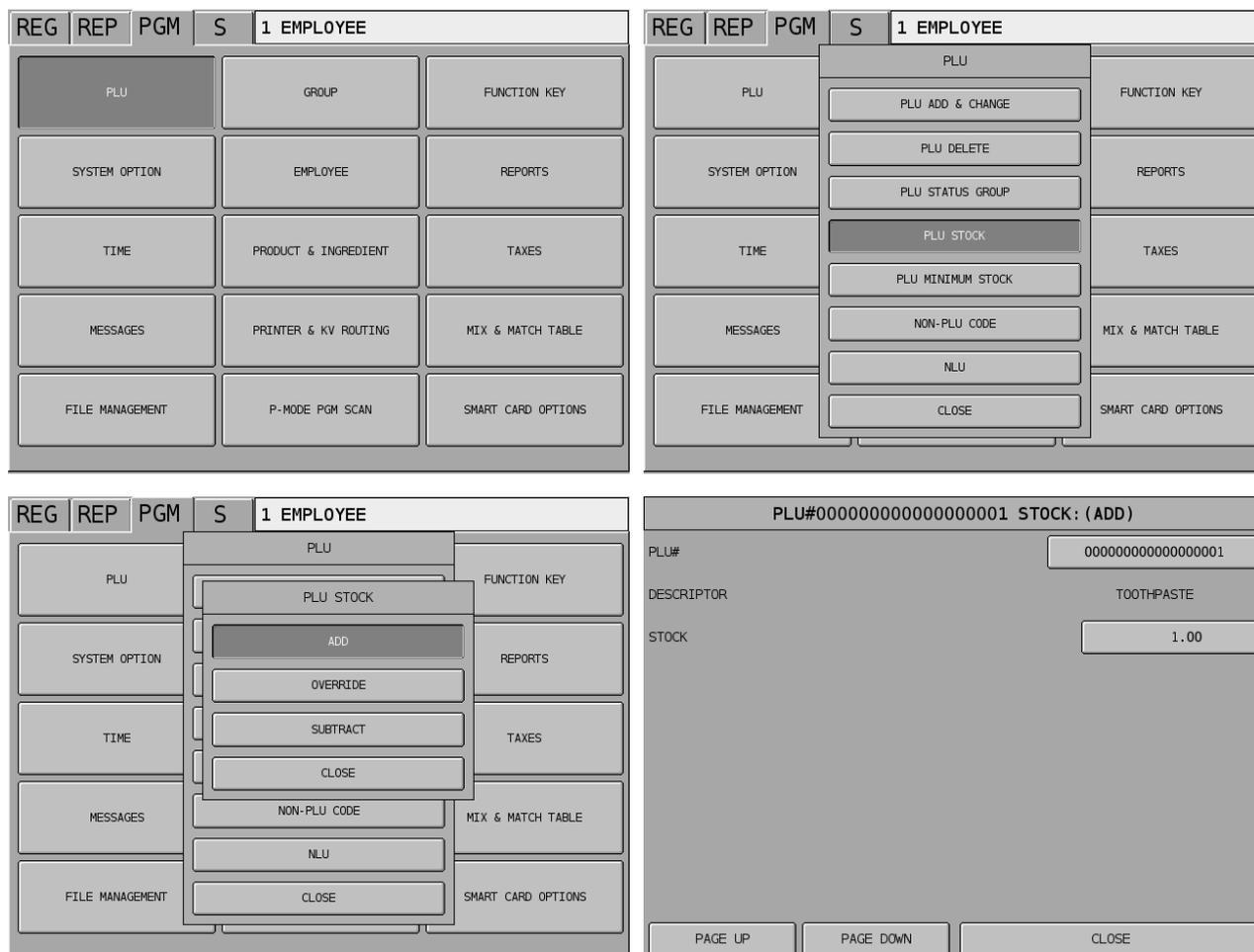
# PLU STOCK ENTRY

PLU stock is a simple inventory system where each PLU sold subtracts a value of "1" from the stock counter, if the PLU stock flag is turned on in the relevant PLU status group. The system also allows the programming of a minimum stock value.

The quantity modifier and stock link PLU programming can be used to link together two products so stock is reduced from one item with decimal quantity reduction if required, for example allowing a half pint to be subtracted from the Pint PLU by 0.5 quantity.

**NOTE: Be careful not to confuse the separate and distinct inventory features**

- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix Groups – outer and unit usage reporting
- PLU Stock – Stock control of saleable products



## STOCK MENU

### Add

This adds to the existing stock figures. For example deliveries transfers in etc..

### Overwrite

This overwrites the existing stock figures. For example beginning inventory etc..

### Subtract

This subtracts for the existing stock figures, Foe example Returns, transfers out etc.

## PLU STOCK ENTRY

### PLU#

This is the product code number of the item to be updated

### Descriptor

This is the product description of the item to be updated

### Stock

This is the current stock situation and the value now to be adjusted

# PLU MINIMUM STOCK PROGRAM

Each product which is defined as a 'Stock PLU' can be allocated with a minimum stock figure. Once the products stock holding falls below this level, the item will then be available for print on the Minimum Stock report. This feature assists with the re-ordering of stock.

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	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#00000000000000000001	
PLU#	000000000000000001
DESCRIPTOR	TOOTH PASTE
MINIMUM STOCK	1.00
PAGE UP	PAGE DOWN
CLOSE	

## PLU#

This is the product code number of the item to be allocated a minimum stock

## Descriptor

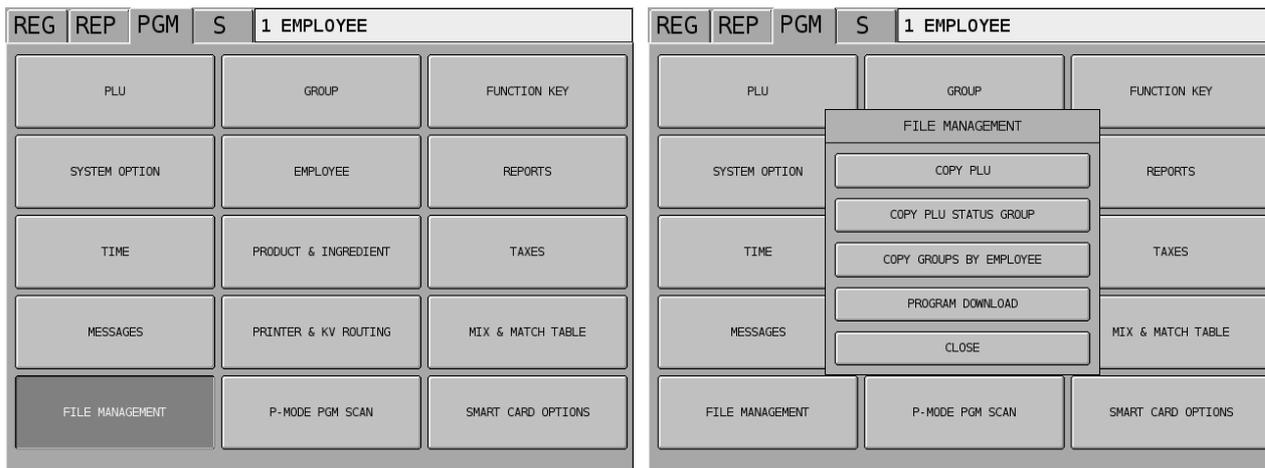
This is the product description of the item to be allocated a minimum stock

## Minimum Stock

This is quantity of units that are required as a minimum. When the value falls below this level the item will be shown on a minimum stock report indicating re-order is required.

# COPY PROGRAM

In order to assist with quick and efficient programming the system allows the copying of certain program types, such as screen levels, eliminating the need for repetitive programming.



## Copy PLU

Used to copy the information held against an individual PLU to another saving time and energy on repetitive programming. This can be done singularly i.e. one PLU to another or by enabling the system flag PLU copy by range, from one PLU to a range of other PLU'S

## Copy PLU Status Group

Used to copy the information held against an individual PLU Program STATUS GROUP to another range of groups. This saves both time and energy on repetitive programming.

## Copy Groups By Employee

Used to copy the information held against the Groups by Employee in the Employee programming options to another employee.

# PROGRAM FILE DOWNLOAD

This transfers program from one register to another using the IRC cable. It is possible to transfer all or selected files to all or selected registers.

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	FILE MANAGEMENT		REPORTS	
TIME	COPY PLU		TAXES	
MESSAGES	COPY PLU STATUS GROUP		MIX & MATCH TABLE	
FILE MANAGEMENT	COPY GROUPS BY EMPLOYEE		SMART CARD OPTIONS	
	PROGRAM DOWNLOAD			
	CLOSE			
	P-MODE PGM SCAN			

REG#	PGM#1	PGM#2	PGM#3	PGM#4
<input type="checkbox"/> DOWNLOADING TO ALL REGISTERS				
PGM DOWN				
<input checked="" type="checkbox"/> REG#1	<input type="checkbox"/> REG#9	<input type="checkbox"/> REG#17	<input type="checkbox"/> REG#25	
<input checked="" type="checkbox"/> REG#2	<input type="checkbox"/> REG#10	<input type="checkbox"/> REG#18	<input type="checkbox"/> REG#26	
<input checked="" type="checkbox"/> REG#3	<input type="checkbox"/> REG#11	<input type="checkbox"/> REG#19	<input type="checkbox"/> REG#27	
<input type="checkbox"/> REG#4	<input type="checkbox"/> REG#12	<input type="checkbox"/> REG#20	<input type="checkbox"/> REG#28	
<input type="checkbox"/> REG#5	<input type="checkbox"/> REG#13	<input type="checkbox"/> REG#21	<input type="checkbox"/> REG#29	
<input type="checkbox"/> REG#6	<input type="checkbox"/> REG#14	<input type="checkbox"/> REG#22	<input type="checkbox"/> REG#30	
<input type="checkbox"/> REG#7	<input type="checkbox"/> REG#15	<input type="checkbox"/> REG#23	<input type="checkbox"/> REG#31	
<input type="checkbox"/> REG#8	<input type="checkbox"/> REG#16	<input type="checkbox"/> REG#24	<input type="checkbox"/> REG#32	
OK				
CANCEL				

REG#	PGM#1	PGM#2	PGM#3	PGM#4
<input type="checkbox"/> DOWNLOADING ALL FILES				
PGM DOWN				
<input type="checkbox"/> DATE & TIME	<input type="checkbox"/> CASH DRAWER OPTION			
<input checked="" type="checkbox"/> PLU	<input type="checkbox"/> TRAINING MODE OPTION			
<input checked="" type="checkbox"/> PLU STATUS GROUP	<input type="checkbox"/> LEVEL/MODIFIER OPTION			
<input type="checkbox"/> GROUP	<input type="checkbox"/> TRACKING FILE OPTION			
<input checked="" type="checkbox"/> FUNCTION KEY	<input type="checkbox"/> KITCHEN PRINTING/VIDEO OPTION			
<input checked="" type="checkbox"/> MACRO	<input type="checkbox"/> VALIDATION/SUBTOTAL PRINT OPTION			
<input type="checkbox"/> TARE WEIGHT	<input type="checkbox"/> GENERAL PRINTING OPTION			
<input type="checkbox"/> GENERAL FUNCTION OPTION	<input type="checkbox"/> REPORT PRINTING OPTION			
<input type="checkbox"/> TAX OPTION	<input type="checkbox"/> REPORT OPTION			
OK				
CANCEL				

# PROGRAM SCANS

This function allows you to print copies of the terminal's PGM-Mode programming.

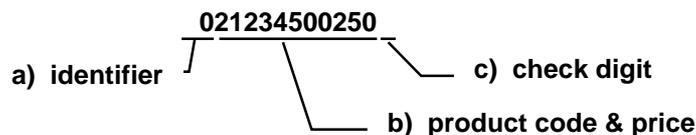
REG	REP	PGM	S	1 EMPLOYEE
PLU	GROUP	FUNCTION KEY		
SYSTEM OPTION	EMPLOYEE	REPORTS		
TIME	PRODUCT & INGREDIENT	TAXES		
MESSAGES	PRINTER & KV ROUTING	MIX & MATCH TABLE		
FILE MANAGEMENT	P-MODE PGM SCAN	SMART CARD OPTIONS		

REG	REP	PGM	S	1 EMPLOYEE
<b>P-MODE PROGRAM SCAN PRINTING</b>				
PLU BY RANGE		PLU BY PLU STATUS GROUP		
PLU BY SELECTED PRICE LEVEL		PLU STATUS GROUP BY RANGE		
GROUP BY RANGE		ALL FUNCTION KEYS		
SYSTEM OPTION		TAXES		
MESSAGES		TIME PERIOD		
EMPLOYEE BY RANGE		JOB CODE		
PAY RATE		AUTHORITY LEVEL		
PRINTER TABLES & KV ROUTING		INGREDIENT INVENTORY		
PAGE UP	PAGE DOWN	CLOSE		

# NON PLU CODE PROGRAM

The NON-PLU Code program must be set if you wish to scan UPCs (using the EAN 13 code) with embedded prices, weights or quantities.

Within the EAN 13 code, the first two digits (part a) are used as an identifier and the last digit (part c) is used as a check digit. The remaining 10 digits (part b) contain the product code and price (or weight or quantity).



There are 11 identifier numbers available for non-PLU code programming: "02" and "20" through "29". The purpose of this program is to define the format of the 10 digit part b for each possible identifier. For example: The structure of Non PLU identifier "02" can be defined to use 5 digits for the product code and 5 digits for the price, and then the structure of Non PLU identifier "20" can be defined to use 6 digits for the product code and 4 digits for the price.

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				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					
	<b>NON-PLU CODE</b>					
	NLU					
	CLOSE					

REG	REP	PGM	NON-PLU CODE		
PLU	1. PLU#02~				FUNCTION KEY
SYSTEM OPTION	2. PLU#20~				REPORTS
TIME	3. PLU#21~				TAXES
MESSAGES	4. PLU#22~				MIX & MATCH TABLE
FILE MANAGEMENT	5. PLU#23~				SMART CARD OPTIONS
	6. PLU#24~				
	7. PLU#25~				
	PAGE UP	PAGE DOWN			
	CLOSE				

NON-PLU# 1 (PLU#02~) PROGRAMMING	
LENGTH OF FIELD 1(=PLU CODE)	0
LENGTH OF FIELD 2	0
CONTENT OF FIELD 2	PRICE
USE PRICE CHECK DIGIT?	NO
TAB OR DECIMAL POINT OF FIELD 2	0
CLOSE	

## PLU#02 PLU#20 Etc..

This is the format type of the barcode within this section the barcode layout is defined. The first two digits of the barcode define the barcode type

### Length Of Field 1 (=PLU Code)

The digits immediately following the two digit barcode definition are the manufacturer s product code, this will be the PLU code for the item. This can change in length depending on the manufacturer. It is necessary to define how many digits are to be used for this format type

### Length Of Field 2

This is usually the price field although there are alternatives. The length of this field can vary for different barcode types. The length is defined in this field

# NON PLU CODE PROGRAM

---

## **Content Of Field 2**

This defines the content of field two the norm is the price although there are variations

## **Use Price Check Digit?**

Some barcode formats use a check digit to ensure the price of the product has been included within the barcode correctly. It must be determined which method is used and programmed in this field

## **Tab Or Decimal Point Of Field 2**

This is used to determine the number of decimal places for the price of the product

# GROUPS BY EMPLOYEE

It is possible to report sales groups by individual employees a maximum of 30 groups can be linked to each employee with a different 30 for employee code.

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	EMPLOYEE	REPORTS		
TIME	EMPLOYEE	TAXES		
MESSAGES	AUTHORITY LEVEL	MIX & MATCH TABLE		
FILE MANAGEMENT	GROUPS BY EMPLOYEE	SMART CARD OPTIONS		
	EMPLOYEE CARD			
	CLOSE			
	P-MODE PGM SCAN			

GROUPS BY EMPLOYEE# 1 PROGRAMMING		
GROUPS BY EMPLOYEE#		1
#	GROUP#	DESCRIPTOR
01	01	DRAUGHT BEER
02	02	RED WINE
03	03	WHITE WINE
04	00	
05	00	
06	00	
07	00	
08	00	
09	00	
10	00	

PAGE UP    PAGE DOWN    CLOSE



# REP-MODE REPORTS MENU

Using the reporting screen, reports can be displayed to the screen or printed out

REG	REP	PGM	S	JAKE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

X/Z	REPORT LEVEL	IRC
<input checked="" type="radio"/> X <input type="radio"/> Z	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5	<input type="checkbox"/> IRC
REPORTS		
FINANCIAL	DRAWER TOTALS	DRAWER 1/2
DAILY SALES	STATION TOTALS	DAY SHIFT
MIX AND MATCH		
		CLOSE

# SET DATE & TIME

The current Date and Time is programmed in this section

RTC SETTING	
00:36:02	30-12-2005 FRI
INPUT DATE/TIME(DDMMYYYYHHMMSS)	
<input type="text"/>	
7	8
4	5
1	2
0	00
	←
OK	CANCEL

REG	REP	PGM	S	1 EMPLOYEE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

# CASH DECLARATION

When compulsory declaration is set in the program options, the count of monies in drawer must be entered here before reports can be taken

REG	REP	PGM	S	1 EMPLOYEE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

CASH DECLARATION														
CASH														
CHEQUE														
MISC														
TEND#														
TOTAL														
CASH	CHEQUE		MISC TEND1	MISC TEND2	7	8	9							
MISC TEND3	MISC TEND4	MISC TEND5	MISC TEND6	MISC TEND7	4	5	6							
MISC TEND8	MISC TEND9	MISC TEND10	MISC TEND11	MISC TEND12	1	2	3							
MISC TEND13	MISC TEND14	MISC TEND15	CLR		0	00	.							
OK							CANCEL							

# TIME CLOCK EDIT

---

Daily, weekly or period-to-date time clock errors can be corrected with this function.

## Daily Time Clock Edit

Daily time entries can be amended for each operator

TIME CLOCK EDIT X/Z1(DAILY)				
#001 JOHN		DATE : TUE 07-03-2006		
TIPS :		<input type="text" value="00000000.00"/>		
IN	OUT	PAID BRK	JOB#	JOB NAME
<input type="text" value="00:00"/>	- <input type="text" value="00:00"/>	<input type="text" value="NO"/>	<input type="text" value="00"/>	
<input type="text" value="00:00"/>	- <input type="text" value="00:00"/>	<input type="text" value="NO"/>	<input type="text" value="00"/>	
<input type="text" value="00:00"/>	- <input type="text" value="00:00"/>	<input type="text" value="NO"/>	<input type="text" value="00"/>	
<input type="text" value="00:00"/>	- <input type="text" value="00:00"/>	<input type="text" value="NO"/>	<input type="text" value="00"/>	
<input type="text" value="00:00"/>	- <input type="text" value="00:00"/>	<input type="text" value="NO"/>	<input type="text" value="00"/>	
<input type="button" value="PAGE UP"/>		<input type="button" value="PAGE DOWN"/>	<input type="button" value="SAVE"/>	<input type="button" value="CLOSE"/>

## Weekly Time Clock Edit

The hours worked for the each employee can be amended for each employee

TIME CLOCK EDIT X/Z2				
#001 JOHN				
TIPS :		<input type="text" value="00000000.00"/>		
BAR STAFF	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
RESTAURANT	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
	<input type="text" value="0000:00"/>	REG	<input type="text" value="0000.00"/>	OT
<input type="button" value="SAVE"/>		<input type="button" value="CLOSE"/>		

# EDIT INVENTORY ITEM

The system allows products to be linked to recipes, when sold the recipe will be checked and the ingredient stock will be updated. The ingredient stock can be entered using the following screen to enter deliveries, wastage etc.

**NOTE: Be careful not to confuse the separate and distinct inventory features**

- Recipes and Ingredients – Stock control of components making up a saleable product
- Product Mix - Usage reporting of outers and units sold
- PLU Stock – Stock control of saleable products

REG	REP	PGM	S	1 EMPLOYEE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

EDIT INVENTORY ITEM		
ITEM #	01	
£	000.000	
ACTUAL INVENTORY	00000.000	
RECEIPT	00000.000	
TRANSFER IN	00000.000	
TRANSFER OUT	00000.000	
RAW WASTE	00000.000	
PAGE UP	PAGE DOWN	CLOSE

## Actual Inventory

This is the field for entering the current stock holding

## Receipt

This is the field for entering the quantity delivered

## Transfer In

This is the field for entering the quantity of goods transferred in

## Transfer Out

This is the field for entering the quantity of goods transferred out

## Raw Waste

This is the field for entering wastage of items

# REP-MODE

The Z mode is used for the display and printing of reports, all information is reset at this stage.

**NOTE** Any report, which is displayed during Z-MODE reporting will also, reset those figures that appear. It is also important to report that some feature reports such as FOOD COST have a direct relationship to other reports for example resetting the PLU sales will result in no usage information printed for products on the food cost summary.

## Z-REPORTS

REG	REP	PGM	S	JAKE
FINANCIAL REPORT	PLU REPORTS	EMPLOYEE REPORTS		
GROUP REPORTS	TIME REPORTS	CHECK TRACKING REPORTS		
PRODUCT REPORTS	STOCK REPORTS	STRING REPORTS		
OTHER REPORTS	CASH DECLARATION	EDIT INVENTORY ITEM		
SET DATE AND TIME				

X/Z <input type="radio"/> X <input checked="" type="radio"/> Z	REPORT LEVEL <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5	IRC <input type="checkbox"/> IRC
REPORTS		
FINANCIAL	DRAWER TOTALS	DRAWER 1/2
DAILY SALES	STATION TOTALS	DAY SHIFT
MIX AND MATCH		
		CLOSE

NOTIFICATION	
RESET REPORT?	
YES	NO

# SAMPLE REPORTS

# REPORT LIST

NO.	REPORT NAME	MODE	INDIVIDUAL / IRC
1	Financial	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
2	Sales by Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
3	All PLU's	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
4	From / To PLU's	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
5	PLU's by Group	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
6	PLU's by Group for Selected Group	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
7	Top 20 PLU's	X1 to X5 read only	INDIVIDUAL & IRC
8	PLU Zero Sales	X1 to X5 read only	INDIVIDUAL & IRC
9	PLU Zero Sales by Group	X1 to X5 read only	INDIVIDUAL & IRC
10	PLU Sales by Price Level	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
11	Mix and Match report	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
12	Not Found	X1 & Z1 only	INDIVIDUAL
13	Employees	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
14	Individual Employees	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
15	Employee Currently Signed on	X1 & Z1 also X5 to Z5	INDIVIDUAL
16	Groups by Employee	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
17	Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
18	From/To Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
19	Selective Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
20	Drawer Totals	X1 to X5 read only	INDIVIDUAL & IRC
21	Drawer 1/2/3	X1 to X5 read only	INDIVIDUAL & IRC
22	Labour Groups	X1 & Z1 also X5 to Z5	IRC
23	Sales & Labour %	X1 & Z1 also X2 & Z2	IRC
24	Daily Sales	X1 & Z1	INDIVIDUAL & IRC
25	Groups By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
26	Analysis 1By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
27	Analysis 2 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
28	Analysis 3 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
29	Track 1 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
30	Track 2 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
31	Track 3 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
32	Track 4 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
33	Checks for Track 1	X1 & Z1	IRC from REG holding data
34	Checks for Track 2	X1 & Z1	IRC from REG holding data
35	Checks for Track 3	X1 & Z1	IRC from REG holding data
36	Checks for Track 4	X1 & Z1	IRC from REG holding data
37	Checks for Selected Employee	X1 & Z1	IRC from REG holding data
38	Checks for Current Employee	X1 & Z1	IRC from REG holding data
39	Checks for Track 1,2,3,4	X1 & Z1	IRC from REG holding data
40	Product Mix	X1 & Z1 also X2 & Z2	INDIVIDUAL & IRC
41	Product Projections	X1 read only	INDIVIDUAL & IRC
42	Station Totals	X1	IRC
43	Active Employees – time keeping	X1 read only	IRC
44	Daily Time Keeping	X1 & Z1 also X5 to Z5	IRC
45	Shift Reporting	X1 & Z1	INDIVIDUAL & IRC
46	Inventory	X1 & Z1	IRC
47	PLU Stock	X1 & Z1	INDIVIDUAL & IRC
48	Stock by PLU Range	X1 & Z1	INDIVIDUAL & IRC
49	Stock by Group	X1 & Z1	INDIVIDUAL & IRC
50	Stock by Individual Group	X1 & Z1	INDIVIDUAL & IRC
51	Food Cost	X1 & Z1	IRC
52	PLU Minimum Stock	X1 & Z1	INDIVIDUAL & IRC
53	Electronic Journal	X1 & Z1	INDIVIDUAL
54	String Report 1 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
55	String Report 2 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
56	String Report 3 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
57	String Report 4 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
58	Custom Report	X1 & Z1	INDIVIDUAL
59	Pre-Poll Report – Hard Copy Print Out	X1 & Z1	INDIVIDUAL & IRC
60	Outstanding interrupt balance	X1 & Z1	INDIVIDUAL OR IRC

# FINANCIAL REPORT

FINANCIAL REPORT		
X1 REPORT		0003
DESCRIPTOR	COUNT	TOTAL
+PLU TTL	00.00	000.00
-PLU TTL	00.00	000.00
ADJUSTED TTL	00.00	000.00
-----		
NON-TAX	00.00	000.00
TAX1 SALES	00.00	000.00
TAX2 SALES	00.00	000.00
TAX3 SALES	00.00	000.00
TAX4 SALES	00.00	000.00
TAX5 SALES	00.00	000.00
TAX6 SALES	00.00	000.00
TAX1	00.00	000.00
TAX2	00.00	000.00
TAX3	00.00	000.00
TAX4	00.00	000.00
TAX5	00.00	000.00
TAX6	00.00	000.00
EXEMPT TAX1	00.00	000.00
EXEMPT TAX2	00.00	000.00
EXEMPT TAX3	00.00	000.00
EXEMPT TAX4	00.00	000.00
EXEMPT TAX5	00.00	000.00
EXEMPT TAX6	00.00	000.00
-----		
ANALYSIS 1 SALES	00.00	000.00
ANALYSIS 2 SALES	00.00	000.00
ANALYSIS 3 SALES	00.00	000.00
-----		
%1	00.00	000.00
%2	00.00	000.00
%3	00.00	000.00
%4	00.00	000.00
%5	00.00	000.00
%6	00.00	000.00
%7	00.00	000.00
%8	00.00	000.00
%9	00.00	000.00
%10	00.00	000.00
NET SALES	00.00	000.00
-----		
CREDIT TAX1	00.00	000.00
CREDIT TAX2	00.00	000.00
CREDIT TAX3	00.00	000.00
CREDIT TAX4	00.00	000.00
CREDIT TAX5	00.00	000.00
CREDIT TAX6	00.00	000.00
MDSE RETURN	00.00	000.00
ERROR CORRECT	00.00	000.00
PREVIOUS VOID	00.00	000.00
TRANS VOID	00.00	000.00
CANCEL	00.00	000.00

GROSS SALES	00.00	000.00
-----		
CASH SALES	00.00	000.00
R/A 1	00.00	000.00
R/A 2	00.00	000.00
R/A 3	00.00	000.00
R/A 4	00.00	000.00
R/A 5	00.00	000.00
P/O 1	00.00	000.00
P/O 2	00.00	000.00
P/O 3	00.00	000.00
P/O 4	00.00	000.00
P/O 5	00.00	000.00
AUDACTION	00.00	000.00
#/NO SALES	00	000.00
-----		
CASH-IN-DRAWER	00.00	000.00
CHECK-IN-DRAWER	00.00	000.00
F/S-IN-DRAWER	00.00	000.00
MISC TEND 1	00.00	000.00
MISC TEND 2	00.00	000.00
MISC TEND 3	00.00	000.00
MISC TEND 4	00.00	000.00
.....		
MISC TEND 16	00.00	000.00
DRAWER TOTAL	00.00	000.00
-----		
PROMO	00	000.00
WASTE	00	000.00
TRAINING TOTAL	00.00	000.00
PREVIOUS BALANCE	00.00	000.00
TIP 1	00.00	000.00
TIP 2	00.00	000.00
TIP 3	00.00	000.00
GUESTS	00	
-----		
AVERAGE	000.00	
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# SALES BY TIME PERIOD

SALES BY TIME PERIOD REPORT		
X1 REPORT		0003
<u>TIME PERIOD</u>	<u>#/CUSTOMERS</u>	<u>TOTAL</u>
08:00 - 09:00	3	11.54
09:00 - 10:00	15	186.82
11:00 - 12:00	6	7.99
TOTAL	38	355.07
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# PLU

- All PLU's
- From/To PLU's
- PLU's By Group
- PLU's By Group For Selected Group
- Top 20 PLU's
- PLU Zero Sales
- PLU Zero Sales By Group
- PLU Sales By Price Level

- Whole unit reporting if there is no decimal activity.
- Total/Counter capacity varies by memory allocation. Counters: 6-8 digits  
Totals: 8-10 digits

PLU REPORT				
X1 REPORT				0003
<u>ITEM</u>	<u>PROMO</u>	<u>WASTE</u>	<u>USAGE</u>	<u>PLU %</u>
<u>PLU#</u>	<u>GROUP</u>	<u>COUNT</u>		<u>TOTAL</u>
HAMBURGER	1	2	6	50.00%
0000000000000001	01	3		3.00
CHEESE BURGER	1	4	8	50.00%
0000000000000001	01	3		3.00
TOTAL	2	6	14	6.00
		6		
EMPLOYEE:	DEBI BARTON			#01
TIME 09:03				NO.000000

# EMPLOYEES

- Individual Employee
- Employee Currently Signed On
- Active Employee

EMPLOYEE REPORT		
X1 REPORT		0003
EMPLOYEE #0001 DEBI BARTON		
DESCRIPTOR	COUNT	TOTAL
NON-TAX	00.00	000.00
TAX1 SALES	00.00	000.00
TAX2 SALES	00.00	000.00
TAX3 SALES	00.00	000.00
TAX4 SALES	00.00	000.00
TAX5 SALES	00.00	000.00
TAX6 SALES	00.00	000.00
TAX1	00.00	000.00
TAX2	00.00	000.00
TAX3	00.00	000.00
TAX4	00.00	000.00
TAX5	00.00	000.00
TAX6	00.00	000.00
EXEMPT TAX1	00.00	000.00
EXEMPT TAX2	00.00	000.00
EXEMPT TAX3	00.00	000.00
EXEMPT TAX4	00.00	000.00
EXEMPT TAX5	00.00	000.00
EXEMPT TAX6	00.00	000.00
-----		
ANALYSIS 1 SALES	00.00	000.00
ANALYSIS 2 SALES	00.00	000.00
ANALYSIS 3 SALES	00.00	000.00
-----		
%1	00.00	000.00
%2	00.00	000.00
%3	00.00	000.00
%4	00.00	000.00
%5	00.00	000.00
%6	00.00	000.00
%7	00.00	000.00
%8	00.00	000.00
%9	00.00	000.00
%10	00.00	000.00
NET SALES	00.00	000.00
-----		
CREDIT TAX1	00.00	000.00
CREDIT TAX2	00.00	000.00
CREDIT TAX3	00.00	000.00
CREDIT TAX4	00.00	000.00
CREDIT TAX5	00.00	000.00
CREDIT TAX6	00.00	000.00
MDSE RETURN	00.00	000.00
ERROR CORRECT	00.00	000.00
PREVIOUS VOID	00.00	000.00
TRANS VOID	00.00	000.00

CANCEL	00.00	000.00
GROSS SALES	00.00	000.00
-----		
CASH SALES	00.00	000.00
R/A 1	00.00	000.00
R/A 2	00.00	000.00
R/A 3	00.00	000.00
R/A 4	00.00	000.00
R/A 5	00.00	000.00
P/O 1	00.00	000.00
P/O 2	00.00	000.00
P/O 3	00.00	000.00
P/O 4	00.00	000.00
P/O 5	00.00	000.00
AUDACTION	00.00	000.00
#/NO SALES	00	000.00
-----		
CASH-IN-DRAWER	00.00	000.00
CHECK-IN-DRAWER	00.00	000.00
F/S-IN-DRAWER	00.00	000.00
MISC TEND 1	00.00	000.00
MISC TEND 2	00.00	000.00
MISC TEND 16	00.00	000.00
DRAWER TOTAL	00.00	000.00
-----		
PROMO	00	000.00
WASTE	00	000.00
TRAINING TOTAL	00.00	000.00
PREVIOUS BALANCE	00.00	000.00
TIP 1	00.00	000.00
TIP 2	00.00	000.00
TIP 3	00.00	000.00
GUESTS	00	
-----		
AVERAGE	000.00	
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# GROUP

GROUP REPORT				
X1 REPORT			X1 0003	X2 0001
<u>#</u>	<u>GROUP</u>	<u>COUNT</u>	<u>TOTAL</u>	<u>%</u>
01	DESCRIPTOR	000000	00000000.00	0.00
02	DESCRIPTOR	000000	00000000.00	0.00
GROUP TOTAL		000000	00000000.00	
EMPLOYEE:		DEBI BARTON		#01
TIME 09:03				NO.000000

# DRAWER TOTALS

DRAWER TOTALS REPORT				
X1 REPORT			X1 0003	X2 0001
CASH-IN-DRAWER		00.00		000.00
CHECK-IN-DRAWER		00.00		000.00
F/S-IN-DRAWER		00.00		000.00
MISC TEND 1		00.00		000.00
MISC TEND 2		00.00		000.00
MISC TEND 3		00.00		000.00
MISC TEND 4		00.00		000.00
MISC TEND 5		00.00		000.00
MISC TEND 6		00.00		000.00
MISC TEND 16		00.00		000.00
DRAWER TOTAL		00.00		000.00
EMPLOYEE:		DEBI BARTON		#01
TIME 09:03				NO.000000

# LABOUR GROUPS

LABOUR GROUPS REPORT		
X1 REPORT	X1 0003	X2 0001
<u>DESCRIPTOR</u>		<u>HOURS</u>
COUNTER HELP		0.00
KITCHEN STAFF		0.00
MANAGER		0.00
TOTAL TIME WORKED		0.00
AVG. DAILY LABOR COST		\$00.00
EMPLOYEE:	DEBI BARTON	
#01		
TIME 09:03		NO.000000

# SALES AND LABOUR %

SALES AND LABOUR % REPORT		
X1 REPORT	X1 0003	X2 0001
00:00 - 01:00		
01:00 - 02:00		
CUST:	0 NET SALES	0000.00
	AVG/CUST:	00.00
HRS LABOR:	0 LABOR COST:	0000.00
	%/NET SALES:	00.00
LABOR\$/CUST:		00.00
SALES/MANHOURL:		000.00
-----		
TOTAL		
CUST:	0 NET SALES:	0000.00
	AVG/CUST:	00.00
HRS LABOR:	0 LABOR COST:	0000.00
	%/NET SALES:	00.00
LABOR\$/CUST:		00.00
SALES/MANHOURL:		000.00
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# DAILY SALES

DAILY SALES REPORT		
X1 REPORT	X1 0003	X2 0001
<u>DAY</u>	<u>COUNT</u>	<u>TOTAL</u>
1	3	11.54
2	15	186.82
3	6	7.99
13	1	2.40
17	13	146.82
TOTAL	38	355.07
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# GROUPS BY TIME PERIOD

Reporting for each time period and each group.

GROUPS BY TIME PERIOD REPORT			
X1 REPORT	X1 0003	X2	
0001			
<u>TIME PERIOD</u>	<u>CUST</u>	<u>TOTAL</u>	<u>AVG/TRANS</u>
00:00 - 01:00	9999	99999999.99	99.99
		<u>COUNT</u>	<u>TOTAL</u>
GROUP 1		999999.99	99999999.99
GROUP 2		999999.99	99999999.99
GROUP 3		999999.99	99999999.99
GROUP 4		999999.99	99999999.99
GROUP 5		999999.99	99999999.99
GROUP 6		999999.99	99999999.99
GROUP 7		999999.99	99999999.99
GROUP 8		999999.99	99999999.99
<u>TIME PERIOD</u>	<u>CUST</u>	<u>TOTAL</u>	<u>AVG/TRANS</u>
01:00 - 02:00	9999	99999999.99	99.99
		<u>COUNT</u>	<u>TOTAL</u>
GROUP 1		999999.99	99999999.99
GROUP 2		999999.99	99999999.99
GROUP 3		999999.99	99999999.99
GROUP 4		999999.99	99999999.99
GROUP 5		999999.99	99999999.99
GROUP 6		999999.99	99999999.99
GROUP 7		999999.99	99999999.99
GROUP 8		999999.99	99999999.99
EMPLOYEE:	DEBI BARTON	#01	
TIME 09:03		NO.000000	

## ANALYSIS 1 BY TIME PERIODS

EAT-IN BY TIME PERIOD REPORT		
X1 REPORT 0001	X1 0003	X2
<u>TIME PERIOD</u>	<u>COUNT</u>	<u>TOTAL</u>
00:00 - 01:00	999999.99	99999999.99
01:00 - 02:00	999999.99	99999999.99
03:00 - 04:00	999999.99	99999999.99
04:00 - 05:00	999999.99	99999999.99
05:00 - 06:00	999999.99	99999999.99
TOTAL	999999.99	99999999.99
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## ANALYSIS 2 BY TIME PERIODS

ANALYSIS 2 BY TIME PERIOD REPORT		
X1 REPORT	X1 0003	X2 0001
<u>TIME PERIOD</u>	<u>COUNT</u>	<u>TOTAL</u>
00:00 - 01:00	999999.99	99999999.99
01:00 - 02:00	999999.99	99999999.99
03:00 - 04:00	999999.99	99999999.99
04:00 - 05:00	999999.99	99999999.99
05:00 - 06:00	999999.99	99999999.99
TOTAL	999999.99	99999999.99
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## ANALYSIS 3 BY TIME PERIODS

ANALYSIS 3 BY TIME PERIOD REPORT		
X1 REPORT 0001	X1 0003	X2
<u>TIME PERIOD</u>	<u>COUNT</u>	<u>TOTAL</u>
00:00 - 01:00	999999.99	99999999.99
01:00 - 02:00	999999.99	99999999.99
03:00 - 04:00	999999.99	99999999.99
04:00 - 05:00	999999.99	99999999.99
05:00 - 06:00	999999.99	99999999.99
TOTAL	999999.99	99999999.99
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## TRACK BY TIME PERIODS

- Track 1 By Time Periods
- Track 2 By Time Periods
- Track 3 By Time Periods
- Track 4 By Time Periods

TRACK 1 BY TIME PERIODS REPORT		
X1 REPORT	X1 0003	X2 0001
<u>TIME PERIOD</u>	<u>COUNT</u>	<u>TOTAL</u>
00:00 - 01:00	999999.99	99999999.99
01:00 - 02:00	999999.99	99999999.99
03:00 - 04:00	999999.99	99999999.99
04:00 - 05:00	999999.99	99999999.99
05:00 - 06:00	999999.99	99999999.99
TOTAL	999999.99	99999999.99
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## OPEN CHECK

- Open Check For Track 1
- Open Check For Track 2
- Open Check For Track 3
- Open Check For Track 4
- Open Check For Selected Employee
- Open Check For Current Employee
- Open Check For Track 1,2,3,&4

OPEN CHECK FOR TRACK 1 REPORT					
X1 REPORT	X1 0003	X2 0001			
<u>TBL#</u>	<u>CHECK#</u>	<u>G#</u>	<u>EMPLOYEE</u>	<u>TIME</u>	<u>BAL</u>
1	100	2	STEVE	11:11	999.99
TOTAL					9999.99
EMPLOYEE:	DEBI BARTON				#01
TIME 09:03					NO.000000

## 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

## STATION TOTALS

Prints for each register in an IRC configuration.

STATION REPORT			
X1 REPORT		X1 0003	X2 0001
REG# 01:		<u>COUNT</u>	<u>TOTAL</u>
NET SALES		999999.99	99999999.99
GROSS SALES		999999.99	99999999.99
DRAWER 1		999999.99	99999999.99
DRAWER 2		999999.99	99999999.99
DRAWER 3		999999.99	99999999.99
EMPLOYEE:	DEBI BARTON		#01
TIME 09:03			NO.000000

# TIME KEEPING

- Daily Time Keeping

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

# GROUPS BY EMPLOYEE

GROUPS BY EMPLOYEE			
X1 REPORT		X1 0003	X2
0001			
EMPLOYEE 1			
		<u>COUNT</u>	<u>TOTAL</u>
GROUP 1		999999.99	99999999.99
GROUP 2		999999.99	99999999.99
GROUP 3		999999.99	99999999.99
GROUP 4		999999.99	99999999.99
GROUP 5		999999.99	99999999.99
GROUP 6		999999.99	99999999.99
GROUP 7		999999.99	99999999.99
GROUP 8		999999.99	99999999.99
EMPLOYEE:	DEBI BARTON		#01
TIME 09:03			NO.000000

# SHIFT REPORT

Complete Financial Reporting is available for each of 4 possible shifts. Shifts can be changed automatically at a set time or manually.

SHIFT REPORT		
X1 REPORT		0003
DESCRIPTOR	COUNT	TOTAL
+PLU TTL	00.00	000.00
-PLU TTL	00.00	000.00
ADJUSTED TTL	00.00	000.00
-----		
NON-TAX	00.00	000.00
TAX1 SALES	00.00	000.00
TAX2 SALES	00.00	000.00
TAX3 SALES	00.00	00.00
TAX4 SALES	00.00	000.00
TAX5 SALES	00.00	000.00
TAX6 SALES	00.00	000.00
TAX1	00.00	000.00
TAX2	00.00	000.00
TAX3	00.00	000.00
TAX4	00.00	000.00
TAX5	00.00	000.00
TAX6	00.00	000.00
EXEMPT TAX1	00.00	000.00
EXEMPT TAX2	00.00	000.00
EXEMPT TAX3	00.00	000.00
EXEMPT TAX4	00.00	000.00
EXEMPT TAX5	00.00	000.00
EXEMPT TAX6	00.00	000.00
-----		
ANALYSIS 1 SALES	00.00	000.00
ANALYSIS 2 SALES	00.00	000.00
ANALYSIS 3 SALES	00.00	000.00
-----		
%1	00.00	000.00
%2	00.00	000.00
%3	00.00	000.00
%4	00.00	000.00
%5	00.00	000.00
%6	00.00	000.00
%7	00.00	000.00
%8	00.00	000.00
%9	00.00	000.00
%10	00.00	000.00
NET SALES	00.00	000.00
-----		
CREDIT TAX1	00.00	000.00
CREDIT TAX2	00.00	000.00
CREDIT TAX3	00.00	000.00
CREDIT TAX4	00.00	000.00
CREDIT TAX5	00.00	000.00
CREDIT TAX6	00.00	000.00
MDSE RETURN	00.00	000.00
ERROR CORRECT	00.00	000.00
PREVIOUS VOID	00.00	000.00
TRANS VOID	00.00	000.00

CANCEL	00.00	000.00
GROSS SALES	00.00	000.00
-----		
CASH SALES	00.00	000.00
R/A 1	00.00	000.00
R/A 2	00.00	000.00
R/A 3	00.00	000.00
R/A 4	00.00	000.00
R/A 5	00.00	000.00
P/O 1	00.00	000.00
P/O 2	00.00	000.00
P/O 3	00.00	000.00
P/O 4	00.00	000.00
P/O 5	00.00	000.00
AUDACTION	00.00	000.00
#/NO SALES	00	000.00
-----		
CASH-IN-DRAWER	00.00	000.00
CHECK-IN-DRAWER	00.00	000.00
F/S-IN-DRAWER	00.00	000.00
MISC TEND 1	00.00	000.00
MISC TEND 2	00.00	000.00
MISC TEND 3	00.00	000.00
MISC TEND 4	00.00	000.00
MISC TEND 5	00.00	000.00
MISC TEND 16	00.00	000.00
DRAWER TOTAL	00.00	000.00
-----		
PROMO	00	000.00
WASTE	00	000.00
TRAINING TOTAL	00.00	000.00
PREVIOUS BALANCE	00.00	000.00
TIP 1	00.00	000.00
TIP 2	00.00	000.00
TIP 3	00.00	000.00
GUESTS	00	
-----		
AVERAGE	000.00	
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

# INVENTORY

An example of the inventory report follows:

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

# INVENTORY DEFINITIONS

## Beginning Inventory

The Beginning Quantity as entered in P-mode (inventory - register begin quantity), for the first report. Additional reports will get the begin quantity from the END value from the last "Z" reset report.

## Receipts

The Receipt Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).

## Transfer In

The Transfer In Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).

## Transfer Out

The Transfer Out Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).

## Raw Waste

The Raw Waste Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).

## Theoretical Usage

The Theoretical Use Quantity.  $=[(\text{PROMO}+\text{WASTE}+\text{SOLD (ITEM/PLU Report)}) * [\text{COUNT (RECIPE TABLE)}]]$

## Shelf Count

The Shelf is the Actual Inventory Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).

## Actual Usage

The Actual Use Quantity.  $=[(\text{BEGIN})+(\text{RECPT})+(\text{TR/IN})-(\text{TR/OUT})-(\text{RAW WASTE})-(\text{SHELF})]$

## Ending Inventory

The Ending Quantity. If no actual inventory quantity is entered in X-mode.

$\text{END}=[(\text{BEGIN})+(\text{RECPT})+(\text{TR/IN})-(\text{TR/OUT})-(\text{RAW WASTE})-(\text{T.USE})]$ . If an actual inventory quantity is entered in X-mode.  $\text{END}=[(\text{BEGIN})+(\text{RECPT})+(\text{TR/IN})-(\text{TR/OUT})-(\text{RAW WASTE})-(\text{A.USE})]$

## Value Of Inventory

The Value of inventory items on hand.  $\text{VALUE}=[(\text{END}) * (\text{COST})]$

## Variance +/-

The Variance +/-.  $\text{VR} +/- =[(\text{T.USE})-(\text{A.USE})]$

## Variance Cost

The Variance Cost.  $\text{V.CST}=[(\text{VR} +/-) * (\text{COST})]$

## Food Cost

The Food Cost.  $\text{FDCST}=[(\text{A.USE}) * (\text{COST})]$

## PLU STOCK

PLU's designated as stock PLU's (see PLU Status Group Programming) will appear on this report.

FINANCIAL REPORT		
X1 REPORT		0003
<u>DESCRIPTOR</u>		<u>COUNT</u>
BOTTLE BECKS		1234
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## PLU STOCK BY GROUP

Further stock reporting formats are available

FINANCIAL REPORT		
X1 REPORT		0003
<u>DESCRIPTOR</u>		<u>COUNT</u>
BOTTLE BECKS		1234
BOTTLE BEERS		
TOTAL		1234
EMPLOYEE:	DEBI BARTON	#01
TIME 09:03		NO.000000

## ELECTRONIC JOURNAL

This terminal has a very sophisticated analysis on journal reporting. All information can be selected by individual transaction type to be stored and reported as required i.e. all Cash Transactions, Void's etc

<b>Check Transactions</b>	- All check sales made during normal operation
<b>Cash Transactions</b>	- All cash sales made during normal operation
<b>Misc Tend Transactions</b>	- All Miscellaneous tender operations made during normal operation
<b>Transactions With %</b>	- All sales containing a discount or premium operation
<b>Recd Acct &amp; Paid Out</b>	- All received on account or Paid out sales transactions
<b>Return Transactions</b>	- All Merchandise Return sales transactions
<b>With Error Corrects &amp; Voids</b>	- All Transactions containing an error correct or voids.
<b>No Sales</b>	- All Transactions containing no sale operations.
<b>Cancel Transactions</b>	- All Register Mode cancelled transactions
<b>Transactions With Negative</b>	- All Transactions with negative product sales.
<b>Reports</b>	- All Read & Reset reports which are printed
<b>Program Scans</b>	- All Program scans which are printed.
<b>Check Tracking</b>	- All sales registered for open checks.
<b>Clerk Interrupt</b>	- All sales containing clerk interrupt balances
<b>Pay By Points</b>	- All sales where Smartcard payment by points has been used.

# FOOD COST

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

## DEFINITIONS

### Usage Count

(SALES COUNT + PROMO COUNT + WASTE COUNT)

### Item Food Cost

COMBINED COST OF ALL INGREDIENTS\RECIPIES ASSOCIATED WITH THE ITEM.

### Usage Cost

(USAGE \* ITEM FOOD COST)

### Sales Count

(SALES COUNT)

### Net Sales

(SALES COUNT \* PRICE)

### Shelf Count

The Shelf is the Actual Inventory Quantity as entered in REP-mode (inventory - edit inventory item - daily edit/period edit).



# APPENDIX - TECHNICAL

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**CAUTION:****WIRING SPECIFICATIONS MUST BE ADHERED TO AT ALL TIMES**

Always use ferrite cores supplied with register, these should be connected around the cable 250mm from the serial port on the register

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# WIRING SPECIFICATIONS – SCANNERS

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## ZEEBEK SCANNER

### ZEEBEK SCANNER

### SPS-2000

Blue	TXD	_____	9 PIN 'D' Type (Female)
Red	CTS	_____	2 RXD
Yel/Blk	GND	_____	4 DTR
White	+5V	_____	5 GND
			9 +5V

Programming.	Settings
Baud Rate	2400
Data Bits	8
Stop Bits	1
Parity	ODD

## SYMBOL SCANNER

### SYMBOL 1720 SCANNER

### SPS-2000

9 pin D type (female)

RED	TXD	_____	2 RXD
ORANGE	CTS	_____	4 DTR
BLACK	GND	_____	5 GND
BROWN	+5v	_____	9 +5v

Programming.	Settings
Baud Rate	2400
Data Bits	8
Stop Bits	1
Parity	ODD

# WIRING SPECIFICATIONS – SCANNERS

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## METROLOGIC MS700 Scanner

METROLOGIC MS700 Scanner	SPS-2000
25 Pin D Type (female)	9 Pin D Type (Female)
TXD 3 _____	2 RXD
GND 7 _____	5 GND

Programming	Settings
Baud Rate	9600
Data Bits	7
Stop Bits	1
Parity	ODD

## METROLOGIC (others) Scanner

<b>METROLOGIC MS951</b>	<b>SER-SPS2000</b>	<b>SER-7000 RJ Patch Lead</b>
	9 Pin D type (Female)	RJ45
GREEN RXD	Pin 2 _____	4
BROWN GND	Pin 5 _____	7
ORANGE +5v		
	Pin 9 – No connection	

Programming.	Settings
Baud Rate	2400
Data Bits	8
Stop Bits	1
Parity	ODD

# WIRING SPECIFICATIONS – PRINTERS

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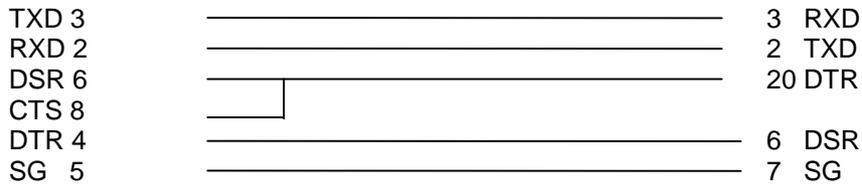
## 9 PIN PRINTER - all Sam4s models

### SPS 2000

9 Pin 'D' type (female)

### PRINTER

25 Pin 'D' Type (male)



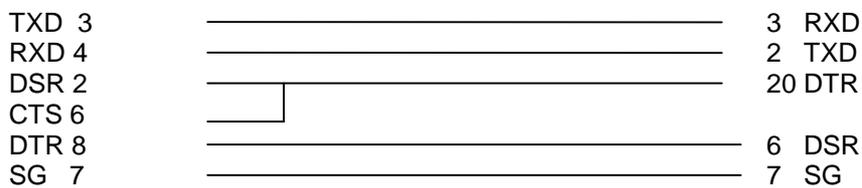
## RJ45- PRINTER all Sam4s models

### SPS-2000

8 Pin Modular

### PRINTER

25 Pin 'D' Type (male)



# WIRING SPECIFICATIONS – PC

---

## P.C (Via Modem Connection)

### SPS-2000

9 Pin "D" Type (Female)

### Full Duplex Modem

25 Pin "D" type (Male)

Frame Ground (Screen)

TXD	3	_____	2	TXD
RXD	2	_____	3	RXD
RTS	7	_____	4	RTS
CTS	8	_____	5	CTS
DSR	6	_____	6	DSR
Signal Ground	5	_____	7	SignalGround
DCD	1	_____	8	DCD
DTR	4	_____	20	DTR

## PC (Via Direct cable)

### SPS2000

### PC - 9 pin

9 pin		9 pin
D type (Female)		D type (Female)
RXD 2	_____	3 TXD
TXD 3	_____	2 RXD
GND 5	_____	5 GND
DTR 4	_____	6 DSR
DSR 6	_____	4 DTR
RTS 7	_____	8 CTS
CTS 8	_____	7 RTS

## (PC (Via Direct cable using RJ 45 Connector)

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**NOTE:** PC RJ45 cable specification should only be used for distance less than 1m

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### SPS2000

### PC - 9 pin

### or PC – 25 pin

8 pin		9 pin		25 pin
Modular		D type (female)		
RXD 4	_____	3 TXD	_____	2 TXD
TXD 3	_____	2 RXD	_____	3 RXD
GND 7	_____	5 GND	_____	7 GND
DTR 8	_____	6 DSR		
DSR 2	_____	4 DTR		
CTS 6	_____	7 RTS		
RTS 5	_____	8 CTS		

# WIRING SPECIFICATIONS – IRC

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Please note - it is important to use the listed colour sequence as shown in the following wiring diagrams.

## Two terminals (Cross Over Cable)

SPS-2000  
RJ45 Ethernet Connector

SPS-2000  
RJ45 Ethernet Connector

1	White Green	3
2	Green	6
3	White Orange	1
4	Blue	7
5	White Blue	8
6	Orange	2
7	White Brown	4
8	Brown	5

## To ETHERNET Hub

SPS-2000  
RJ45 Ethernet Connector

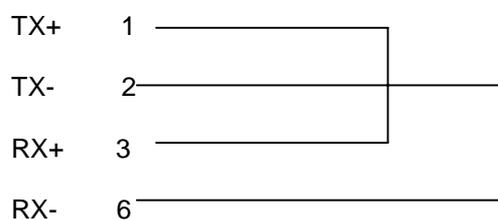
Hub  
RJ45 Ethernet Connector

1	White Orange	1
2	Orange	2
3	White Green	3
4	Blue	4
5	White Blue	5
6	Green	6
7	White Brown	7
8	Brown	8

## Loop Back Connector

If you want to test IRC, use the IRC test in self-test mode

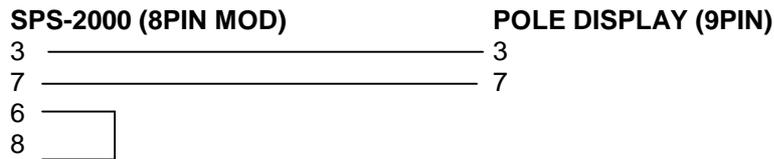
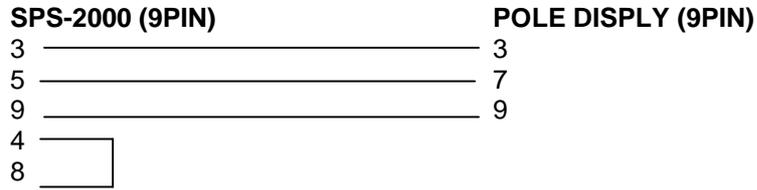
Loop Back connector



# WIRING SPECIFICATIONS – PERIPHERALS

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## SAM4S Pole Display



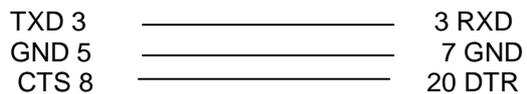
## Epson DP101 / DP102 Pole Display

**SPS-2000**

**DP101/102 Pole Display**

9 pin D type (female)

25 pin D type (male)



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**NOTE:** the following dip switch setting for the pole display are required to be on the epsom switch 1,5, 8

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