

System Overview

Workstation Specifications

Power Requirement:AC, 120V \pm 10%

Frequency:60 Hz

Temperature:0° C (32° F) - 40° C (104° F)

Humidity:20% - 90% (non-condensing)

Dimensions:approx. 198mm (H) x 395mm (W) x 495mm (D)

Weight:approximately 9 kg (19.8 lbs.)

Workstation Screen

Type:Backlit LCD

Character Size:3.67mm (H) X 3.67mm (W)

Capacity:40 characters X 8 lines
(240 X 64 dots)

Customer Display

Type:Fluorescent Display Tube

Character Size:12.9mm (H) X 8.8mm (W)

Capacity:9 digits

Internal Printer Specifications

Type:Two-station dot-matrix Receipt and Journal

Speed:2.8 lps

Character Size:3.1mm (H) X 1.35mm (W)

Paper Width:44mm per roll

Validation:1 line

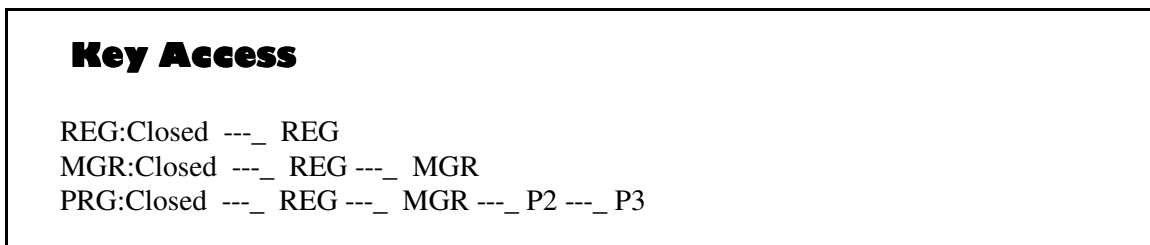
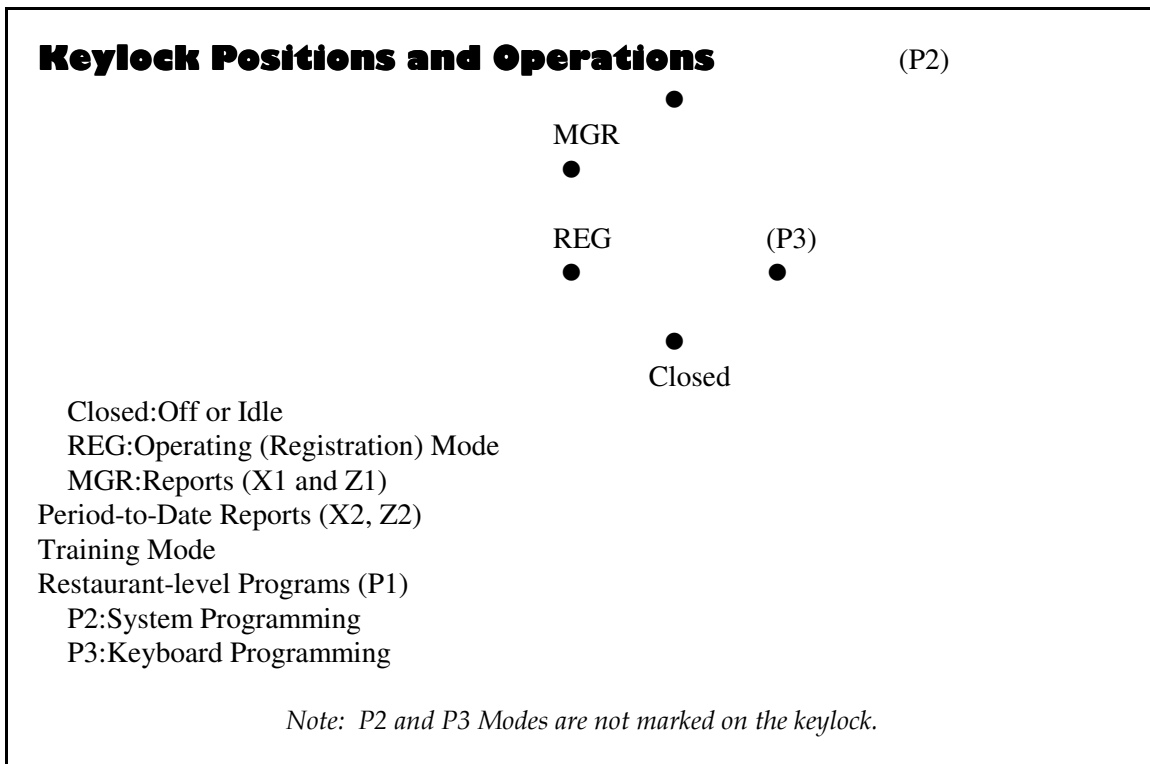
Sensor:Paper-End sensor for Journal

Note:Specifications are subject to change without notice.

Keylock

The 5000 Series has five keylock positions that determine the workstation operating mode. In normal daily operations, for example, you turn the keylock to REG Mode. For system programming, you use the P2 and P3 Modes.

Three keys control access to the keylock positions: REG, MGR, and PRG. You must have access to the required key before you can turn to or from a particular position. The keylock positions and range of access are described in the charts below.



Default Keyboard

The 5000 Series keyboard has 162 key positions. The four positions in the upper right corner (Receipt Feed, Journal Feed, Cursor Up, and Cursor Down) are fixed. The remaining 158 positions are fully programmable. You can customize the keyboard by selecting key codes and arranging them to fit your customer application.

The workstation has a default keyboard, which you can use for demo programs or modify, as needed. The default keyboard layout is shown below.

										Waste		RCPT STOP	Receipt Feed		Journal Feed	
										Promo	Delet	LCD	Cursor Up ↑		Cursor Down ↓	
											CPN 1	Shift 1				
											CPN 2	Shift 2				
											CPN 3	Shift 3	Clear			
										DISC 3	DISC 1	Retrn	7	8	9	
										DISC 4	DISC 2	Check Paid	4	5	6	Cshr
										GC Sold	GC RDM	CHG TIP	1	2	3	Sub Total
										Date	#	CHG 2	0			
										IN	OUT	CHG 1	CASH		SERVICE	

Note: This keyboard is loaded whenever you initiate the RAM Clear command or the Default Keyboard Program Load.

Procedure List

Procedure	Mode
20 Self-Diagnostics	P2, P1
1 LCD Display	
2 Rear Display	
3 Printer	
4 ROM	
5 Keyboard	
6 Mode	
7 IRC (Send)	
8 IRC (Receive)	
9 Clock	
10 RS-232C	
11 Magnetic Card Reader	
12 Tandem Test	
13 Repeat Tandem	
14 Key-in Data Dump	
15 Memory Dump	
16 RAM #1	
17 RAM #2	
18 RAM #3	
19 RAM #4	
20 RAM #5 - 1	
21 RAM #5 - 2	
22 RAM #5 - 3	
21 Memory Allocation	P2
0 RAM Clear	
1 Memory Map	
2 Media Report Totals	
3 Cashier Report Totals	
4 Server Report Totals	
5 Station Totals	
6 Automatic Report Totals	
7 Calculation Totals	

Procedure	Mode
22Default Program Load 220122 Default Flags 220222 Default System Descriptors 220322 Default Prompts & Error Messages 220422 Default Keyboard 220522 Default Memory & Report Totals	P2
23Tax Tables	P2
24System & Miscellaneous Flags Miscellaneous Flags (limited P1 access) Tandem & Macro Commands	P2 P1 P2
25System Descriptors	P2
26Time Ranges	P1, P2
27PLU Additions/Deletions	P1, P2
28Product Mix Groups	P1, P2
30Prompts & Error Messages	P1, P2
31Cashier File	P1, P2
32Server File	P1, P2

Procedure	Mode
33Date & Time	P1, P2
34Summary, Major, and Minor Groups	P1, P2
35PLU File	P1, P2
36Coupon File	P1, P2
37Negative File	P1, P2
38Guest Check/Customer File	P2
39Tare Weight	P1, P2
50Program Printout	P1, P2
51KPS Standard Menu	P1, P2
52Store & Forward	P1, P2
53Employee File *	P1, P2
54Ingredient File *	P1, P2

Procedure	Mode
55Recipe File *	P1, P2
56Pay Rates *	P1, P2
57Kitchen Video P1, P2	
60Downline Programming 0Date & Time 1Subgroups 2All PLUs 3Cashiers 4Product Mix Groups 5Messages & Error Prompts 6Tax Tables 7System Flags 8Misc Flags & Time Ranges 9Coupons 10System Descriptors 11Keyboard Layout 12Report Totals 13Memory Allocation 14Tare Weight 16Major & Summary Groups 20KPS Standard Menu 21Master Files 30Servers 31Negative File 32GCK Download 33GCK Recovery 96-99Tandem	P1, P2

Procedure	Mode
70PC Loader and PF Loader	P1, P2
1PLU Shift Level	X1
2Starting Order #	X1
3Remote Steering	X1
4Drawer Assignment	X1
5Server Disable	X1
6Initial Guest Check #	X1
7PLU Price Level	X1

Note: Files marked with an asterisk () are available only at the System Master.*

Programming

Overview

The programs for the 5000 System are listed under the P2 Mode menu. A subset of these programs is also available in P1 Mode. Each of these programs has its own set of options and instructions. This section describes each of the P2 Mode programs, along with the options you can select to define and customize your user application.

Because the P2 Mode programs are associated with a worksheet, this section also covers the program worksheet selections. You can use these worksheets to plan your application and to simplify program entry. They also give you information about the sequences you use. Complete the worksheets in any order you prefer.

Memory Structure

Files are arranged in memory in the order shown below.

Work Area System Flags Default Table Print Buffer In-Line Buffer Time Totals Coupons	Fixed Area
Media Report Destination Time Totals Profit Centers Product Mix Groups Summary Groups Major Groups Subgroups Cashier File Server File PLU File Negative File Automatic Report Area E.J. Temporary Work Area Shared Printer Buffer	Programmable Area
Guest Check File Store & Forward Station Totals Recipes Raw Ingredients Employees Timekeeping Buffer On-Line Buffer Automatic Consolidation Area Product Projection E.J. Multi-day Polling Buffer	Programmable Area (System Master)

Keyboard Programming

Program the 5000 Series keyboard by assigning soft key codes to each of the programmable key positions. Use the Keyboard Worksheet to design your keyboard layout; then translate assignments into the required key codes. Follow the steps below to enter your assignments.

1. Turn the keylock to P3 Mode.
2. Turn the workstation power switch OFF, then back ON.
3. When you restore power to the workstation, the system prompts you for the following keys. Press a position for each of these keys in the order prompted. If you do not need one of the prompted keys, press the position you plan to use for the CLEAR key.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 00, 000, . (decimal), CLEAR

4. When you are ready to program or change the remaining key positions, use the following sequence.

(key location) (key code) (key location)

Note: Key Codes are provided on the next pages. Enter '9999' to disable a position.

5. If you are using more than one keyboard, you should use the default 10-key pad, CASH and CLEAR keys for all of your keyboard layouts. Define your first keyboard. Switch to the next keyboard by entering the new menu number on the MENU # key. Define all keys for this new keyboard. Make sure you have a MENU # key on every keyboard you assign!

If you do not use the default locations, you must assign the numeric, CASH, and CLEAR keys in temporary locations, then use these temporary locations to define the desired layout.

P3 Power-Up Note: When you power up the workstation with the keylock in P3 Mode, the number keys, Cash, and Clear are loaded to the default locations. No other locations are affected by a P3 power-up. For this reason, you should use the default locations for these keys whenever possible.

Key Codes

Code	Key	Code	Key
0	0	51	Check
1	1	52	Charge #
2	2	53	Currency Exchange #
3	3	54-56	Destinations 4-6
4	4	57	Continue 1
5	5	58	Continue 2
6	6	59	Service 1
7	7	60	Service 2
8	8	61	R/A 2
9	9	62	P/O 2
10	00	63	No Sale
11	000	64	Previous Balance (P/B)/Phone Order
12	Decimal (.)	65	Delete
13	Clear	66	Check Paid
14	# Guests/Covers	67	Charge Tips
15	Discount #	68	Drive-Thru Check Paid
16	@	69	Check Print
17	Coupon 1	70	Person #
18	Coupon 2	71	Table #
19	Coupon 3	72	New Check/Car Order
20	Void	73	Terminal #
21	All Void	74	Tip (Universal Tip)
22	Error Correct	75	Slip Release
23	Return	76	Receipt Issue
24	Universal %1	77	Validate
25	Universal %2	78	Slip
26	Universal %3	79	Check Endorse
27	Universal %4	80	Subtotal
28	Universal %5	81	Discount Subtotal
29	G.C. Sold 1	82	Menu Look-up
30	G.C. Sold 2	83	Server # [# , SVR]
31	G.C. Sold 3	84	Date & Time Issue
32	Eat-In	85	G.C. Redemption
33	Take-Out	86-95	PLU Shift 0 - PLU Shift 9
34	Promo	96	Scale
35	Waste/SPCL	97	PLU (also 600)
36	Drive-Thru	98	Cashier # (also 400)
37	#	99	Server # [SVR, #, SVR - also 900]
38	Cash 2	101-199	\$1-\$99 Speed Tender (210-299 = \$100-\$990)
39	Macro #	321-335	Currency Exchange (1-15)
40	Order Recall	350	Price Level #
41	Menu Level #	351-354	Price Levels (1-4)
42	Cursor Up	401-499	Cashiers (1-99)

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43	Cursor Down	501	Clock-in
44	Tax 1 Shift	502	Clock-out
45	Tax 2 Shift	503	Break
46	Tax 3 Shift	9995	LCD Brightness Level
47	No Tax	9996	Journal Feed
48	R/A	9997	Receipt Feed
49	P/O	9998	Receipt Stop
50	Cash	9999	Disable

Charge Key Codes

Code	Key
300	Coded Charge (also code 52)
301	Charge 1
302	Charge 2
303	Charge 3
304	Charge 4
305	Charge 5
306	Charge 6
307	Charge 7
308	Charge 8
309	Charge 9
310	Charge 10

Use key code 300 for coded charges (Charge Look-Up). This key requires a charge number. Use key codes 301-310 for individual charge keys.

Preset Macro Key Codes

Code	Key Code	KeyCode	Key	Code	Key	Code	Key
600	Macro #0 617	Macro #17634	Macro #34651	Macro#51668	Macro #68		
601	" #1 618	" #18635	" #35652"	#52669"	#69		
602	" #2 619	" #19636	" #36653"	#53670"	#70		
603	" #3 620	" #20637	" #37654"	#54671"	#71		
604	" #4 621	" #21638	" #38655"	#55672"	#72		
605	" #5 622	" #22639	" #39656"	#56673"	#73		
606	" #6 623	" #23640	" #40657"	#57674"	#74		
607	" #7 624	" #24641	" #41658"	#58675"	#75		
608	" #8 625	" #25642	" #42659"	#59676"	#76		
609	" #9 626	" #26643	" #43660"	#60677"	#77		
610	" #10627	" #27644	" #44661"	#61678"	#78		
611	" #11628	" #28645	" #45662"	#62 679"	#79		
612	" #12629	" #29646	" #46663"	#63 680"	#80		
613	" #13630	" #30647	" #47664"	#64681"	#81		
614	" #14631	" #31648	" #48665"	#65 682"	#82		
615	" #15632	" #32649	" #49666"	#66 :			
616	Macro #16633	Macro #33650	Macro #50667"	#67799"	#199		

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You can register macros by pressing one of the preset macro keys listed above or by entering the number of the macro on the Macro # key (key code 39).

Cashier Key Codes

CodeKey	Code	Key
400	Coded Cashier key	
401	Cashier #1	
402	Cashier #2	
403	Cashier #3	
404	Cashier #4	
405	Cashier #5	
406	Cashier #6	
407	Cashier #7	
408	Cashier #8	
409	Cashier #9	
410	Cashier #10	
411	Cashier #11	
412	Cashier #12	
413	Cashier #13	
414	Cashier #14	
415	Cashier #15	
	416	Cashier #16
	417	Cashier #17
	418	Cashier #18
	419	Cashier #19
	420	Cashier #20
	421	Cashier #21
	422	Cashier #22
	423	Cashier #23
	424	Cashier #24
	425	Cashier #25
	426	Cashier #26
	427	Cashier #27
	428	Cashier #28
		:
	498	Cashier #98
	499	Cashier #99

Cashiers 1-99 can log on with preset keys. Or they can log on by entering their assigned code number with the CSHR (key code 98) key.

Currency Exchange Key Codes

CodeKey	CodeKey
320	Coded Exchange key
321	Exchange #1
322	Exchange #2
323	Exchange #3
324	Exchange #4
325	Exchange #5
326	Exchange #6
327	Exchange #7
328	Exchange #8
329	Exchange #9
330	Exchange #10
331	Exchange #11
332	Exchange #12
333	Exchange #13
334	Exchange #14
335	Exchange #15

You can use the above preset keys for Currency Exchange, or you can enter the Currency Exchange # on the Coded Exchange key (key code 320).

Shift Key Codes

Code	Single Shift		Double Shift	
	If Flag 129 <4	If Flag 129 ≥4	Code	Key
86	PLU Shift 0	PLU Shift 1000	890	PLU Shift 00
87	PLU Shift 1	PLU Shift 2000	891	PLU Shift 10
88	PLU Shift 2	PLU Shift 3000	892	PLU Shift 20
89	PLU Shift 3	PLU Shift 3000	893	PLU Shift 30
90	PLU Shift 4	PLU Shift 4000	894	PLU Shift 40
91	PLU Shift 5	PLU Shift 5000	895	PLU Shift 50
92	PLU Shift 6	PLU Shift 6000	896	PLU Shift 60
93	PLU Shift 7	PLU Shift 7000	897	PLU Shift 70
94	PLU Shift 8	PLU Shift 8000	898	PLU Shift 80
95	PLU Shift 9	PLU Shift 9000	899	PLU Shift 90

If only one shift is needed with the item, select a shift key from the first or second group. If Double Shift is required, you must select one shift key from the single shift column and one shift key from the double shift column.

Server Key Codes

Code	Key
900	Coded Server key
901	Server #1
902	Server #2
903	Server #3
904	Server #4
905	Server #5
906	Server #6
907	Server #7
908	Server #8
909	Server #9
910	Server #10
911	Server #11
912	Server #12
913	Server #13
914	Server #14
915	Server #15
916	Server #16
917	Server #17
918	Server #18
919	Server #19
920	Server #20

Servers 1-20 can log on with preset keys or with a code number entered on one of the SVR keys (key code 83 or 99).

Preset PLU Key Codes

Code	If Flag 129= 0	If Flag 129= 1	If Flag 129= 2	If Flag 129= 3
1001	PLU #1	PLU #10	PLU #100	PLU #1000
1002	PLU #2	PLU #20	PLU #200	PLU #2000
1003	PLU #3	PLU #30	PLU #300	PLU #3000
1004	PLU #4	PLU #40	PLU #400	PLU #4000
1005	PLU #5	PLU #50	PLU #500	PLU #5000
:	:	:	:	:
1099	PLU #99	PLU #990	PLU #9900	PLU #99000
1100	PLU #100	PLU #1000	PLU #10000	PLU #100000
:	:	:	:	:
1199	PLU #199	PLU #1990	PLU #19900	PLU #199000
1200	PLU #200	PLU #2000	PLU #20000	PLU #200000
:	:	:	:	:
1299	PLU #299	PLU #2990	PLU #29900	PLU #299000
1300	PLU #300	PLU #3000	PLU #30000	PLU #300000
:	:	:	:	:
1399	PLU #399	PLU #3990	PLU #39900	PLU #399000
1400	PLU #400	PLU #4000	PLU #40000	PLU #400000
:	:	:	:	:
1499	PLU #499	PLU #4990	PLU #49900	PLU #499000
1500	PLU #500	PLU #5000	PLU #50000	PLU #500000
:	:	:	:	:
1599	PLU #599	PLU #5990	PLU #59900	PLU #599000
1600	PLU #600	PLU #6000	PLU #60000	PLU #600000
:	:	:	:	:
1699	PLU #699	PLU #6990	PLU #69900	PLU #699000
1700	PLU #700	PLU #7000	PLU #70000	PLU #700000
:	:	:	:	:
1799	PLU #799	PLU #7990	PLU #79900	PLU #799000
1800	PLU #800	PLU #8000	PLU #80000	PLU #800000
:	:	:	:	:
1899	PLU #899	PLU #8990	PLU #89900	PLU #899000
1900	PLU #900	PLU #9000	PLU #90000	PLU #900000
:	:	:	:	:
1999	PLU #999	PLU #9990	PLU #99900	PLU #999000

P24, Flag 129, affects the Preset PLU numbers in the following manner:

If 129 = 0, Preset PLU# = (Key Code - 1000) [e.g., 1001 = PLU #1]

If 129 = 1, Preset PLU# = (Key Code - 1000) x 10 [e.g., 1001 = PLU #10]

If 129 = 2, Preset PLU# = (Key Code - 1000) x 100 [e.g., 1001 = PLU #100]

If 129 = 3, Preset PLU# = (Key Code - 1000) x 1000 [e.g., 1001 = PLU #1000]

Key Code Definitions

@:Use this key to register multiple quantities of a menu item, coded PLU, or open PLU.

All Void:The ALL VOID key cancels all of the items you have entered within the current transaction. In guest check operations, it cancels all items entered within the Service, Check Print, or Check Paid transaction. You can also use it to escape from a check you may accidentally have accessed.

Break:Use the BREAK key when you clock out at the beginning of a paid break. If employee breaks are not paid, you may use the Clock Out key (instead of the Break key) when you leave for a break, depending upon restaurant policy.

Cash:The CASH key closes transactions when the customer uses cash for payment. This key is also required for many programming and report sequences.

\$1.00 Tender:Several Speed Tendering keys are available to expedite cash payment. Speed Tendering keys are available in \$1.00 through \$9.00 increments (key codes 101-109) and, in multiples of ten, \$10.00-\$990.00 (key codes 210-299).

Cashier:Cashiers and managers use the Cashier key to log their number onto the workstation. Use key codes 401-450, if you wish to assign preset cashier keys, or key code 98 if you want to use coded cashier numbers. You also use the CSHR key for many of the system and manager programming sequences.

Charge Tips:This key registers a tip amount for a credit card payment. Entries on the CHARGE TIP key must be followed by a charge.

Charge 1-10:Ten preset charge keys are available to handle restaurant credit card transactions. Use key codes 301 - 310 if you wish to assign each of the restaurant-accepted credit cards to the keyboard.

Charge #:If you do not want to assign a separate key for each credit card, you can use key code 300 for coded charges. Key code 300 can be pressed without a number to list the credit cards and their associated codes. This key is referred to as a Charge Look-Up key.

Check Paid:The CHECK PAID key recalls a guest check for payment. After pressing CHECK PAID, the operator can tender the transaction with the appropriate payment key.

Check Print:If you are using soft/retained guest check tracking, the CHECK PRINT key prints the final customer balance, including items ordered to that point in the transaction.

Clear:The CLEAR key resets error conditions (after an error message has displayed). You can also use this key to clear any numeric data that has not yet been registered.

Continue:This key services the guest check balance, then recalls the check so additional items can be entered. This function can be used to simplify separate Check Print and Check Paid procedures. Two Continue keys are available. Use CONT 1 (key code 57) if you are using Service 1. Use CONT 2 (key code 58) if you are using Service 2.

Coupon:Three coupon keys are available for preset coupons: COUP1, COUP2, and COUP3. When you press one of these keys with a menu item, the system performs a look-up and registers the associated coupon amount.

Currency Exchange:Fifteen Currency Exchange keys are available to convert your transaction total from local to foreign currency. You can also access the exchange rates with the coded Exchange key (key code 600).

Cursor Up ↑:This key is a fixed key (you cannot change its location), which moves the cursor up one line at a time. You can use it for cursor voids and to move up through a displayed list of options.

Cursor Down ↓:CURSOR DOWN is a fixed key, which moves the system cursor down one line at a time. You can use it for cursor voids and to move down through a displayed list of options.

Date/Time Issue:The DATE/TIME key issues a receipt with the current date and time. This receipt can be placed, for reference, on perishable items or prepared ingredients.

Delete:Use the DELETE key to void items after the transaction has been finalized. This key can be programmed to require a time entry, so that the appropriate time totals are updated.

Discount Subtotal:The DISC SBTL key determines the discountable portion of the total, allowing the discount to be applied only to items that are discountable.

Drive-Thru:The DRIVE-THRU key denotes a Drive-Thru order on the customer receipt, journal, and workstation screen. It also directs the transaction total to the Drive-Thru destination.

Drive-Thru

Check Paid: Use this key to recall the balance of the oldest (lowest-numbered) open guest check in the file. You need not enter the guest check number.

Eat-in:Use this key to denote an Eat-In order on the receipt, journal, system printer, and KVS. It also directs the transactions total to the Eat-In destination.

Error Correct:This key erases the last item or condiment registered (Last Item Void). The VOID key can also be used for this function.

Gift Redeemed:Use the GIFT REDEEMED key when the customer tenders a portion of the transaction with a Gift Certificate.

Gift Sold:Use the GIFT SOLD key when the customer purchases a Gift Certificate. Three Gift Certificate Sold keys are available. They can be preset or open, depending upon your programming.

Guests:Use the # GUEST key to specify the number of guests or covers represented on the customer guest check or order.

Journal Feed:JOURNAL FEED is a fixed key on the workstation keyboard. Use it to advance the paper on the workstation or system journal printer.

LCD:Use the LCD (Liquid Crystal Display) key to adjust the brightness of the operator screen. This key position is fixed on your keyboard.

Macro:A Macro is a pre-recorded chain of key sequences that you can replay with a preset key or a macro code. Use key codes 320 - 399 if for preset macro keys or key code 39 (MACRO #) for macro codes.

Menu Look-up:MENU LOOK-UP allows you to display an on-screen list of PLUs, with their associated code numbers. It also displays PLUs by class or group.

New Check:The NEW CHECK key opens a new customer guest check. This key can require a guest check number entry, or it can assign its own guest check numbers, depending upon your program selections.

No Sale:Use the NO SALE key to open the cash drawer outside of a transaction. The CASH or # keys may also be used to trigger a No Sale operation.

No Tax:The NO TAX key strips all taxes from the current transaction. It can be pressed at any point prior to payment.

Entry:The # key allows you to enter a reference check account, charge, or I.D., etc. number.

Paid Out:Use this key to decrease the amount of cash in the drawer. You may use Paid Out, for example, for cash skims when the Cash-in-Drawer limit is exceeded. Two Paid-Out keys are available.

Phone Order:Use the PHONE ORDER key to register an order that is placed over the phone by a customer, prior to arrival. This key operates under the same key code (64) as the Previous Balance key.

Person #:The PERSON # key allows you to designate each person's order. This procedure simplifies serving and allows you to issue separate checks at any point in the transaction.

Phone Order:Use the PHONE ORDER key to open a new check with a zero balance. When you press this key the system prompts you to enter a 7-digit number.

PLU:The PLU key registers an item by its code number. You also use it within report and program sequences to access a particular item by its code number.

PLU Shift:0-9:(Single Shifts). PLU Shift keys are used to modify an item (i.e., by size, preparation, etc.). Use shift keys from this group (or the Double Shift group) when you need to register only one shift key with the item.

00-90:(Double Shifts). Any of the Double Shift keys can be use to specify a particular size, menu, or preparation for a menu item. If you are using the Double Shift option for a menu item, you must use a shift key from the Single Shift group and from the Double Shift group *every* time the item is registered.

Promo:The PROMO key is used to register a complimentary item free of charge. After you register the item, press this key with the item to change its price to \$.00.

R/A:Use the R/A (Received-on-Account) key to register any payments received from vendors or to enter an initial bank to the cash drawer. Two R/A keys are available.

Recall Order:Use the Recall Order key to recall an order and display it or print the Receipt again.

Receipt Issue:The RCPT ISSUE key allows the operator to issue an extra customer receipt. If the receipt is normally turned off, the operator can also use this key to override the Receipt Stop. Receipt Issue is only available to print the last transaction registered.

Receipt Feed:RECEIPT FEED is a fixed key, which can be used to advance the paper on the workstation or system receipt printer.

Receipt Stop:The RECEIPT STOP key toggles the customer receipt on or off upon depression. This key affects print at the workstation or system receipt printer. Certain functions, such as Check Print and Check Paid, can be programmed to override the Receipt Stop status.

Return:The RETURN key allows the operator to remove a item from a previously serviced or paid transaction.

Server:The SERVER key lets you log on a server number. Use key codes 901 - 920 to program preset server keys. Use key code 83 to use server code numbers. Or use key code 99 for secret server numbers.

Service:The SERVICE key creates an interim total or balance (in a guest check tracking environment), which the user can recall to add items, delete items, or pay. Two Service keys are available. Service2 can also act as a coded Service key.

Special Price:Use the SPCL PRICE key to enter an open amount to a preset PLU.

Subtotal:The SBTL key displays the current order balance, including any applicable sales taxes, at any point in the transaction. This key is also used in many programming sequences.

Table #:The TABLE # key allows you to note the table associated with the guest check.

Take-Out:Use the TAKE-OUT key to denote a Take-Out order on the customer receipt, journal, system printers, and KVS (where applicable). This key also directs the order total to the Take-Out destination the Time Reports.

Tax Shift:Three Tax Shift keys are available to reverse the tax status of a particular item, items or payment.

Terminal #:The TERM # key designates a particular workstation for Remote System-wide Reports and Downline programming.

Tip 2:You can use TIP 2 (also referred to as Cash Tip or Universal Tip) to register a gratuity for any type of transaction. Unlike the CHRG TIP key, TIP 2 can be followed by any type of tender: Cash, Check, or Charge.

Universal %:The Universal Percent keys allow you to register percentage discounts and surcharges. These keys can apply to an item, subtotal, or partial subtotal and can be open or preset, depending upon your programming. Five Universal Percent keys are available.

Void:The VOID key allows you to void an item at any point prior to payment. Error Correct (Last Item Void) can also be performed with this key, depending upon your programming.

Memory Configuration

Use these worksheets to estimate memory requirements for your system. Rounding factors (the system rounds to the nearest multiple of 16) may increase the actual requirement. See the P21 Memory Map screen for the true amount of memory needed.

1. Enter the values you want to allocate for each of the following files. You can over-allocate to allow future expansion. Enter '0' for files you do not need.

a) Destination Time Totals:

Enter '1' to enable the Destination Time Reports, which give an account of destination activity by time period. Enter '0' if you do not need these reports.

b) Profit Center Time Totals:

Enter '1' to enable the Profit Center Reports, which provide an account of Profit Center activity by time period. Enter '0' if you do not need these reports.

c) Media Totals:

Enter the number (1-99) of totals you need for the Media Report.

d) Product Mix Totals:

Enter the number of time periods (0-48) you want to report for the Product Mix, Product Projection, and Product Comparison Reports.

e) # Product Mix Groups:

Enter the number (0-99) of Product Mix Groups you need.

f) Cashier Totals:

Enter the number (1-99) of totals you need for the Cashier Report.

g) # Cashiers:

Enter the number (1-255) of cashiers you need.

h) Server Totals:

Enter the number (0-99) of totals you want to track on the Server Report.

i) # Servers:

Enter the number (0-99) of servers you need.

j) Scale

Enter 1 if you want to enable Scale operations.

2. Perform the calculations for each of the files to get the Page 1 Total (the subtotal for your Basic Workstations).

Memory Configuration Worksheet

(Page 1 of 4)

Enter values for the files below to *estimate* memory requirements for Basic workstations.

Destination Totals a) _____ X2352 = +
 (Enable = 1)

Profit Centers b) _____ X3920 = +
 (Enable = 1)

Media Report Totals c) _____ X 16 = +
 (max. 99)

Product Mix Totals d) _____
 (max. 48)

Product Mix Groups e) _____
 (max. 99)

_____ X [(_____ + 1) x 25] = +
 (# PMix groups) (PMix totals)

Cashier Totals f) _____
 (max. 99)

of Cashiers g) _____
 (max. 255)

_____ X [(_____ X 16) + 12] = +
 (# cashiers) (cashier tls.)

Server Totals h) _____
 (max. 99)

Servers i) _____
 (max. 99)

_____ X [(_____ X 16) + 12]] = +
 (# servers) (server tls.)

Scale _____ X800 = +
 (enable=1)

PAGE 1 TOTAL (Subtotal for Basic Workstations)

--

3. Allocate each of the following files, as needed.

k) Subgroups:

Enter the number (0-99) of subgroups you need. (A fixed number of 20 Major Groups and 15 Summary Groups are available.)

l) Multiple Price Levels:

Enter 1 to allow four price levels per PLU. Enter 0 if you do not use price levels.

m) PLUs:

Enter the number of PLUs you need. The maximum is memory-dependent. Note that additional memory is needed if you use a scale or multiple price levels.

n) Negative File:

Enter the maximum number of negative ("bad") accounts you want to list in the Negative File (memory-dependent maximum).

o) GST Calculations:

Enter '1' to enable GST (Canada) calculations. Enter '0' if you do not use GST.

p) GST Exception:

Enter '1' to enable GST Exceptions. If GST is not used, enter '0'.

t) Person Interrupt:

Enter '1' to enable Person Interrupt. This entry defines the number of interrupts authorized per Guest Check. Enter '0' if you do not use this function.

u) Server Interrupt:

Enter the number (0-32) of server interrupts allowed. Each server can have only one "interrupted" order.

v) Shared Printer Buffer:

Enter '1' to allow Shared Printers. Enter '0' if you have no Shared Printers.

w) # Auto-Report Totals:

Enter the number of totals you need for the Automatic Report (0-99).

x) # Macros

Enter the number of macros you need (0-199).

y) EJ

Enter the number (0-99) of 8Kbytes to be allocated to the Electronic Journal Buffer. For example, enter 2 to reserve 16KB for EJ data storage.

4. Complete the worksheet calculations. The final total on this page is the approximate amount of memory you need for BASIC workstations.

Memory Configuration Worksheet (Page 2 of 4)

		PAGE 1 TOTAL (Subtotal for Basic Workstations)	<input style="border: 3px double black; width: 100px; height: 20px;" type="text"/>
Subgroups	k)	<input type="text"/> X 53 (max. = 99)	= + <input style="width: 100px; height: 20px;" type="text"/>
		96 (no scale, no levels)	
		128 (scale, no levels)	
PLUs	m)	<input type="text"/> X 176 (no scale, levels)	= + <input style="width: 100px; height: 20px;" type="text"/>
		192 (scale, levels)	
Negative File	n)	<input type="text"/> X 8	= + <input style="width: 100px; height: 20px;" type="text"/>
Person Interrupt	t)	<input type="text"/> X <input type="text"/> X 16 + (<input type="text"/> X 35) (Enable = 1) (#guests per GCK) (GST Except)	= + <input style="width: 100px; height: 20px;" type="text"/>
GST Calculation	o)	<input type="text"/> (Enable = 1)	
GST Exception	p)	<input type="text"/> (Enable = 1)	
Server Interrupt	u)	<input type="text"/> X 1344	= + <input style="width: 100px; height: 20px;" type="text"/>
Shared Printer Buffer	v)	<input type="text"/> X 32768 (1=enable)	= + <input style="width: 100px; height: 20px;" type="text"/>
# Macros	x)	<input type="text"/> X 32	= + <input style="width: 100px; height: 20px;" type="text"/>
EJ	y)	<input type="text"/> X (<input type="text"/> X 8192) (Enable=1) (# 8KB for EJ)	= + <input style="width: 100px; height: 20px;" type="text"/>
Auto-Report	z)	<input type="text"/> X (<input type="text"/> X 8) (Enable=1) (# Auto Totals)	= + <input style="width: 100px; height: 20px;" type="text"/>
Fixed Area			= + <input style="width: 100px; height: 20px; text-align: center; border: 1px solid black;" type="text" value="82,320"/>
		BASIC WORKSTATION TOTAL (approximate memory for Basic Workstations)	<input style="border: 3px double black; width: 100px; height: 20px;" type="text"/>

5. Make selections for the following files to allocate memory in the System Master.

aa) Recipes

Enter the number of recipes (0-999) you need for this application. (An entry greater than 0 enables inventory on your system.)

bb) Ingredients

Enter the number of raw ingredients you want to track (0-500).

cc) Employees:

Enter the number of employees you are tracking for this application. You can allocate up to 428 employees; however, a maximum of 250 employees can be active at any one time.

dd) Projection:

Enter '1' to enable the Product Projection and Product Comparison Reports. Because these reports are based on Product Mix totals, you must also allocate Product Mix Groups.

ee) Time Clock Buffer:

Enter '1' to enable on-line Time & Attendance functions (Clock-in, Clock-out, Break). Enter '0' if you are not using timekeeping functions.

ff) On-line Buffer:

Enter '1' to enable on-line (host) communications. The memory configuration for this buffer is based partly on whether or not you use Time & Attendance functions. Add 12,288 bytes to use the Time & Attendance functions or 4096 bytes if you do not use them. Enter '0' if you are not using on-line functions.

gg) Multi-day Polling Buffer:

Enter the number of 10Kbytes you want to reserve for the Multi-day Polling Buffer. This buffer backs up a limited number of reports for later retrieval if a daily polling communication is unsuccessful.

6. Complete the mathematics required to expand each of the files you use. Add the total for each line to the Basic Workstation Total. Then add the fixed Station Total (1740 bytes) and Store & Forward (480 bytes) totals. The total for this page gives you the approximate amount of memory you need for your System Master.

Memory Configuration Worksheet (Page 3 of 4)

Enter values for the following to estimate the memory required for your System Master.

	BASIC WORKSTATION TOTAL (from page 2)	= +	
Recipes	aa) _____ X 50 (max. 999)	= +	
Ingredients	bb) _____ X 66 (max. 500)	= +	
Employees	cc) _____ x [920 + _____] x 153 (max. 428) #Employees	= +	
Projection	dd) _____ x (_____ x [2 x (_____ + 1) x 29]) (enable=1) (# PMix) (PMix tls.)	= +	
Time Clock Buffer	ee) _____ X 8192 (enable=1)	= +	
Polling	ff) _____ x (_____ x 43) + 12,288 (Timekeeping on) (enable=1) (# employees) + 4,096 (no Timekeeping)	= +	
Multi-day Polling Buffer	gg) _____ x 10240	= +	
Fixed	(Station Totals / Store & Forward)	= +	2220
	SYSTEM MASTER TOTAL (estimated memory for the System Master)		

7. Guest Check Allocation is based on several factors, including whether or not you use GST Calculations and GST Exception. Enter the applicable values on the appropriate line.

o) GST calculation (Canada Tax)

Enter '1' to use GST calculation, or '0' if you prefer not to use GST calculation.

p) GST Exception (Canada Tax)

Enter '1' to use GST exception, or '0' if you prefer not to use GST exception.

q) # Guests per Check

Enter the highest number of persons tracked per guest check (1-16). You must enter at least 1.

r) # Items per Check

If you are using soft/retained check tracking, enter the maximum number of items (1-99) allowed per guest check. Enter '0' if you are not using retained checking.

s) # Guest Checks

Enter the number of guest checks needed for your application. This entry determines the maximum number of checks that can be open at one time. The maximum depends upon the amount of memory you have available.

8. Use the guest check formula that applies to your system.

If you are not using GST Calculations or GST Exception (Canadian functions), enter the values on the first line. This total is your Guest Check Allocation.

If you are using GST, but not using GST Exception, enter your values in the second formula line. This total is your Guest Check Allocation.

If you are using GST and GST Exception, enter your values on the third formula line. This result is your Guest Check Allocation.

9. *If your Guest Check File resides in a Basic Workstation, add the Guest Check Allocation and Basic Workstation totals to estimate the memory needed for the Guest Check Master.*

If your Check File resides in the System Master, add the GCK Allocation to the System Master total to estimate the memory required for the Guest Check Master.

Memory Configuration Worksheet (Page 4 of 4)

Enter values in the applicable lines to determine the Guest Check Allocation.

Guests per Check q) _____ (Must be identical on all workstations.)
(1-16)

Items per Check r) _____ (Must be identical on all workstations.)
(max. 99)

Guest Checks s) _____ (Program at the GCK Master or Backup.)

If you DO NOT use GST or GST Except, Enter '0' to disable each function.

$$\left[\left(\frac{\text{_____}}{\# \text{ items}} \times 40 \right) + \left(\frac{\text{_____}}{\# \text{ guests}} \times 16 \right) + 21 \right] \times \frac{\text{_____}}{\# \text{ checks}}$$

Gck Allocation

If you use GST, but not GST Except, Enter '1' to enable GST, and '0' to disable GST Except.

$$\left[\left(\frac{\text{_____}}{\# \text{ items}} \times 64 \right) + \left(\frac{\text{_____}}{\# \text{ guests}} \times 16 \right) + 21 \right] \times \frac{\text{_____}}{\# \text{ checks}}$$

Gck Allocation

If you use GST and GST Except, Enter '1' to enable each function.

$$\left[\left(\frac{\text{_____}}{\# \text{ items}} \times 99 \right) + \left(\frac{\text{_____}}{\# \text{ guests}} \times 16 \right) + 21 \right] \times \frac{\text{_____}}{\# \text{ checks}}$$

Gck Allocation

*__If the Guest Check File resides in a Basic Workstation:
Basic Workstation Total + Gck Allocation = GCK MASTER TOTAL*

*_If the Guest Check File resides in the System Master:
System Master Total + Gck Allocation = GCK MASTER TOTAL*



Memory Allocation

After you complete the Memory Configuration worksheets, transfer the file information to the Memory Allocation worksheet shown on the next page. Make sure you use the value you are allocating (normally the first entry in each column). The system automatically expands these values to configure the file allocation.

Because the system rounds file allocations to the nearest multiple of 16, you may need more memory than you estimate with these worksheets. As you enter values in P21, the system displays a hexadecimal value for the actual requirement. An "INVALID" message displays if you exceed the available amount of RAM, and you must increase the amount of installed memory or decrease your file sizes before you can continue.

At the System Master, you enter values for all addresses. At Basic workstations, only enter values that apply to a Basic Workstation. If you use Guest Check tracking, allocate the guest check files at the Guest Check Master only.

You can over-allocate files for future expansion. If you change the memory allocation in an existing program, you may need to perform a RAM Clear and reprogram the entire workstation.

Warning: Changes to P21 addresses erase any existing open check data.

Memory Conversion Chart

The Program 21 screen displays the actual memory allocation in hexadecimal. You can use the following chart to translate the allocation to decimal and to determine the number of RAM chips required for your workstation program.

- 128KB RAM Capacity -	
# Chips	HexDecimal
11	FFFF131,071
23	FFFF262,143
35	FFFF393,215
47	FFFF524,287

Note: Projection, Multi-day Polling, and EJ files use SRAM; all other files use normal memory (RAMs 1-4).

Memory Allocation (P2 Mode) Beginning Sequence: 21 CASH 1 CASH

Destination Totals (1=Enable; 0=Not Used)a) 100 CSHR_____ CA0

Profit Centers (1=Enable; 0=Not Used)b) 101 CSHR_____ CA0

Media Report Totals (max. 99)c) 102 CSHR_____ CA41

Product Mix Totals (max. 48)d) 103 CSHR_____ CA26

Product Mix Groups (max. 99)e) 104 CSHR_____ CA26

Cashier Report Totals (max. 99)f) 105 CSHR_____ CA26

Cashiers (max. 255)g) 106 CSHR_____ CA2

Server Totals (max. 99)h) 107 CSHR_____ CA26

Servers (max. 99)i) 108 CSHR_____ CA4

Scale (1=Enable; 0=Not Used)j) 109 CSHR_____ CA0

Subgroups (max. 99)k) 110 CSHR_____ CA10

Multiple Price Levelsl) 111 CSHR_____ CA60

PLU File (memory dependent)m) 112 CSHR_____ CA60

Negative File (memory dependent)+n) 113 CSHR_____ CA0

GST Calculation (1=Enable; 0=Not Used)o) 114 CSHR_____ CA0

GST Exception (1=Enable; 0=Not Used)p) 115 CSHR_____ CA 0

Guests per Check (1-16)q) 116 CSHR_____ CA 0

Items per Check (max. 99)r) 117 CSHR_____ CA 1

Guest Checks (memory dependent)s) 118 CSHR_____ CA35

Interrupt by Person (1=Enable; 0=Not Used)t) 119 CSHR_____ CA35

Server Interrupts (0-8)u) 120 CSHR_____ CA35
Shared Printer Bufferv) 121 CSHR_____ CA0
Auto-Report Totalsw) 122 CSHR_____ CA
Macrox) 123 CSHR_____ CA41
Electronic Journaly) 124 CSHR_____ CA35
Auto-Report (1=Enable; 0=Not Used)z) 125 CSHR_____ CA1
Recipes (max. 999)aa) 126 CSHR_____ CA35
Raw Ingredients (max. 500)bb) 127 CSHR_____ CA35
Employees (max. 428)cc) 128 CSHR_____ CA35
Projection (1=Enable; 0=Not Used)dd) 129 CSHR_____ CA 35
Time Clockee) 130 CSHR_____ CA 35
On-Line Buffer (1=Enable; 0=Not Used)ff) 131 CSHR_____ CA 0
Multi-day Polling Buffergg) 132 CSHR_____ CA 0

Note: Multi-day Polling, EJ, and Projection files use SRAM. All other files use normal memory (RAMs 1-4).

P21 Report Total Arrangement

Use Program 21 to design your Media Report, Cashier Report, Server Report, Station Totals Report, and Calculation Tables. This program decides which totals report and the order in which they print. Memory Allocation determines the number of available totals.

To balance correctly, you must assign a total for each function used. For example, if you use a Void key, remember to include Void and Error Correct totals. If you use check tracking, you should include New Check, Check Paid, and Service (and, in some cases, Transfer In and Out) totals to simplify balancing.

The Report Code chart on the next page lists available totals and their codes. It also tells you whether an item (I) count, an activity (A) count, or a total (T) is provided, and it lists the default descriptors. You can modify these descriptors in Program 25, if necessary.

To design your reports, list totals you need in the desired print order. Next, translate the totals into the corresponding report total codes. If, for example, you want to have New Check print first on the Server Report, enter '47' for Address 400.

Note: NGRT, TMTL, and TRGT totals print in fixed positions on specific reports. You need not enter Report Codes 5-7 on the P21 worksheets.

The system provides a tip total (Cash Tips + Charge Tips) and tip percentage if you include Net Sales, Cash Tips (code 80), and Charge Tips (code 33) on the report and place Charge Tips immediately after Cash Tips.

Worksheet Entries

Address: This line decides the report total sequence. For example, enter the first Media Report total in Address 201; enter the second in Address 202, etc.

Report Code:

A-B: Use the following codes for calculation totals.

00=Amount Format - xxxxxxxx.xx (x.xxxx)

01=Count Format - xxxxxx

04=Percent Format - xxx.xx%

05=Time Format - xx:xx

90=Message (precedes a message number from P25).

C-F: Enter the 4-digit report code, calculation table, or P25 message number.

Note: For A-F, you can enter 800000 for a blank space, 810000 for a single (---) line, 820000 for a double line (===).

Report Total Codes

Code	Definition	CT/TL	Description	Code	Definition	CT/TL	Description
1	PLU I,	T	PLU Total	57	INA,	T	Eat-In Total
2	+SGR I,	T	Sum of Positive Subgroups	58	OUTA,	T	Take-Out Total
3	-SGR I,	T	Sum of Negative Subgroups	59	DATEA		Date & Time Issue
4	SGTL I,	T	Subgroup Total	60	GCRMA,	TG.C.	Redemption
5	TMTL* I,	T	Time Sales Total	61	CPTRA,	T	Coupon Transactions
6	TRGT* I,	T	Training Grand Total	62	% 4A,	T	Universal %4
7	NRGT* T		Non-Resetable Grand TL	63	% 5A,	T	Universal %5
8	ITTL I,	T	Item Total	64	NTXBA,	T	No Tax
9	VOID A,	T	Void Total	65	RTRNA,	T	Returns
10	VALL A,	T	All Void Total	66	#GSTA		Guest/Cover Count
11	-%1 A,	T	Universal %1	67	T-INA,	T	Checks transferred In
12	-%2 A,	T	Universal %2	68	T-OTA,	T	Checks transferred Out
13	+% A,	T	Universal %3	69	DR-TA,	T	Drive-Thru Sales
14	R/A A,	T	Received-on-Account	70	FREEA,	T	Promo
15	P/O A,	T	Paid Out	71	WASTA,	T	Waste
16	CASH A,	T	Cash Total	72	GIFTA,	T	Gift Cert. 1
17	CHCK A,	T	Check Total	73	G.C2A,	T	Gift Cert. 2
18	AUDC A,	T	Negative Sales	74	G.C3A,	T	Gift Cert. 3
19	NSTL A,	T	Net Sales	75	+MGRA,	T	Positive Major Groups
20	TXB1 T		Taxable 1 Sales	76	-MGRA,	T	Negative Major Groups
21	TXB2 T		Taxable 2 Sales	77	MGTLA,	T	Major Group Total
22	TAX1 T		Tax 1	78	+SMGA,	T	Positive Summ. Group
23	TAX2 T		Tax 2	79	-SMGA,	T	Negative Summ. Group
24	NXTL T		Non-Taxable Total	80	TIP2A,	T	Universal Tip
25	GSTL T		Gross Sales 1	81	TXB3A,	T	Taxable 3 Sales
26	DRTL T		Drawer Total	82	TAX3A,	T	Tax 3
27	CAID T		Cash-In-Drawer	83	SMTLA,	T	All Summ. Group Total
28	CKID A,	T	Check-In-Drawer	84	R/A2A,	T	Rec. on Acct. 2
29	CTAX A,	T	Credited Tax	85	P/O2A,	T	Paid Out 2
30	P/B A,	T	Previous Balance	86	CPNS I,	T	Coupon Total
31	DLET A,	T	Deletes	87	TXTL T		Tax (1+2+3)
32	CKPD A,	T	Check Paid Total	88	PRCGA,	T	Price Change Count
33	TIP A,	T	Charge Tip	89	CAA,	T	Cash 2 Total
34	BFWD A,	T	Balance Forward	90	FD COST		Food cost -Inventory Only
35	SGTL I,	T	Subgroup Total	91	FD %Food %		- Inventory Only
36	MXTL I,	T	Product Mix Total	92	GRSS T		Gross Total 2
37	SRV1 A,	T	Service 1 Total	93	TOTLA,	T	Total
38	SRV2 A,	T	Service 2 Total	94	PROFIT1A,	T	Profit Center 1
39	CHG1 A,	T	Charge 1	95	PROFIT2A,	T	Profit Center 2
40	CHG2 A,	T	Charge 2	96	PROFIT3A,	T	Profit Center 3
41	CHG3 A,	T	Charge 3	97	PROFIT4A,	T	Profit Center 4
42	CHG4 A,	T	Charge 4	98	PROFIT5A,	T	Profit Center 5
43	CHG5 A,	T	Charge 5	99	TXB4 T		Taxable Total 4
44	ERRC A,	T	Error Correct				
45	# A,	T	# Key Entries	101-199	SG01-SG99 I,	T	Subgroups 1-99
46	NS A		No Sale Count	201-299	MX01-MX99 I,	T	Product Mix 1-99
47	NWCK A		New Check Count	301-323	MG01-MG20 I,	T	Major Groups 1-20
48	CHG6 A,	T	Charge 6	321-335	SM01-SM15 I,	T	Summary Groups 1-15
49	CHG7 A,	T	Charge 7	390	DPTLA,	T	Deposit Total

50CHG8 A,TCharge 8	391-400DEP1-DP10A,TDeposits 1-10
51CHG9 A,TCharge 9	401-415EXCH-XCH15 I,TExchanges 1-15
52CH10 A,TCharge 10	421-426DES1-DES6 I,TDestinations 1-6
53NRNT TNon-Resetable Net Total	
54	80-0000Separation Line: -----
55	81-0000Separation Line: =====
56CAOW A,TCash Owed	82-0000Blank Space

P21 Media Report Total Arrangement (P2 Mode) Beginning Sequence: 21 CASH 2 CASH

Address CSHR	Report Code (CASH)						Comment	Address CSHR	Report Code (CASH)						Comment
	A	B	C	D	E	F			A	B	C	D	E	F	
200								230							
201								231							
202								232							
203								233							
204								234							
205								235							
206								236							
207								237							
208								238							
209								239							
210								240							
211								241							
212								242							
213								243							
214								244							
215								245							
216								246							
217								247							
218								248							
219								249							
220								250							
221								251							
222								252							
223								253							
224								254							
225								255							
226								256							
227								257							
228								258							

Address CSHR	Report Code (CASH)						Comment	Address CSHR	Report Code (CASH)						Comment
	A	B	C	D	E	F			A	B	C	D	E	F	
229								259							

Address CSHR	Report Code (CASH)						Comment	Address CSHR	Report Code (CASH)						Comment
	A	B	C	D	E	F			A	B	C	D	E	F	
260								280							
261								281							
262								282							
263								283							
264								284							
265								285							
266								286							
267								287							
268								288							
269								289							
270								290							
271								291							
272								292							
273								293							
274								294							
275								295							
276								296							
277								297							
278								298							
279								299							

Report Code:A-B:For calculation totals:

00= Amount

01= Count Format - xxxxxx

04= Percent Format - xxx.xx%

05= Time Format - xx:xx

90= Message (precedes a message number from P25).

C-F:Report Code, Calculation Total, or P25 message number (4-digits).

P21 Cashier Report Total Arrangement (P2 Mode) Beginning Sequence: 21 CASH 3 CASH

Address CSHR	Report Code (CASH)						Comment/Note	Address CSHR	Report Code (CASH)						Comment/Note
	A	B	C	D	E	F			A	B	C	D	E	F	
300								330							
301								331							
302								332							
303								333							
304								334							
305								335							
306								336							
307								337							
308								338							
309								339							
310								340							
311								341							
312								342							
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315								345							
316								346							
317								347							
318								348							
319								349							
320								350							
321								351							
322								352							
323								353							
324								354							

325								355							
326								356							
327								357							
328								358							
329								359							

Address CSHR	Report Code (CASH)						Comment/Note	Address CSHR	Report Code (CASH)						Comment/Note
	A	B	C	D	E	F			A	B	C	D	E	F	
360								380							
361								381							
362								382							
363								383							
364								384							
365								385							
366								386							
367								387							
368								388							
369								389							
370								390							
371								391							
372								392							
373								393							
374								394							
375								395							
376								396							
377								397							
378								398							
379								399							

Report Code:A-B:For calculation totals:

00= Amount

01= Count Format - xxxxxx

04= Percent Format - xxx.xx%

05= Time Format - xx:xx

90= (Precedes a message number from P25)

C-F:Report Code, Calculation Total, or P25 message number (4-digits).

The number of available addresses is determined by Memory Allocation. Enter the report codes in the order you want them to print.

P21 Server Report Total Arrangement (P2 Mode) Beginning Sequence: 21 CASH 4 CASH

Address CSHR	Report Code (CASH)						Comment	Address CSHR	Report Code (CASH)						Comment
	A	B	C	D	E	F			A	B	C	D	E	F	
400								430							
401								431							
402								432							
403								433							
404								434							
405								435							
406								436							
407								437							
408								438							
409								439							
410								440							
411								441							
412								442							
413								443							
414								444							
415								445							
416								446							
417								447							
418								448							
419								449							
420								450							
421								451							
422								452							
423								453							
424								454							

425								455							
426								456							
427								457							
428								458							
429								459							

Address CSHR	Report Code (CASH)						Comment/Note	Address CSHR	Report Code (CASH)						Comment/Note
	A	B	C	D	E	F			A	B	C	D	E	F	
460								480							
461								481							
462								482							
463								483							
464								484							
465								485							
466								486							
467								487							
468								488							
469								489							
470								490							
471								491							
472								492							
473								493							
474								494							
475								495							
476								496							
477								497							
478								498							
479								499							

Report Code:A-B:For calculation totals:

00= Amount

01= Count Format - xxxxxx

04= Percent Format - xxx.xx%

05= Time Format - xx:xx

90= (Precedes a message number from P25)

C-F:Report Code, Calculation Total, or P25 message number (4-digits).

The number of available addresses is determined by Memory Allocation. Enter report codes in the order you want them to print.

P21 Station Totals Report Arrangement (P2 Mode) Beginning Sequence: 21CASH 5 CASH

Address CSHR	Report Code						Comment/Note
	CASH						
	A	B	C	D	E	F	
500							
501							
502							
503							
504							
505							
506							
507							
508							
509							
510							
511							
512							
513							
514							
515							
516							
517							
518							
519							

Report Code:A-B:For calculation totals:

00= Amount

01= Count Format - xxxxxx

04= Percent Format - xxx.xx%

05= Time Format - xx:xx

90= (Precedes a message number from P25)

C-F:Report Code, Calculation Total, or P25 message number (4-digits).

Note: Station total Arrangements can only be entered at the System Master, and the report is only available at the System Master. Prior to System Close, this report provides System Master totals only. After system Close, the report provides totals of all workstations.

Automatic Report (P2 Mode) Beginning Sequence: 21 CASH 6 CASH

Address CSHR	Report Code (CASH)						Comment/Note	Address CSHR	Report Code (CASH)						Comment/Note
	A	B	C	D	E	F			A	B	C	D	E	F	
600								630							
601								631							
602								632							
603								633							
604								634							
605								635							
606								636							
607								637							
608								638							
609								639							
610								640							
611								641							
612								642							
613								643							
614								644							
615								645							
616								646							
617								647							
618								648							
619								649							
620								650							
621								651							
622								652							
623								653							
624								654							
625								655							
626								656							
627								657							

628								658							
629								659							

Address CSHR	Report Code (CASH)						Comment/Note	Address CSHR	Report Code (CASH)						Comment/Note
	A	B	C	D	E	F			A	B	C	D	E	F	
660								680							
661								681							
662								682							
663								683							
664								684							
665								685							
666								686							
667								687							
668								688							
669								689							
670								690							
671								691							
672								692							
673								693							
674								694							
675								695							
676								696							
677								697							
678								698							
679								699							

The number of available addresses is determined by Memory Allocation. Enter report codes in the order you want them to print.

Report Code:A-B:For calculation totals:

00= Amount

01= Count Format - xxxxxx

04= Percent Format - xxx.xx%

05= Time Format - xx:xx

90= (Precedes a message number from P25)

C-F: Report Code, Calculation Total, or P25 message number (4-digits).

P21 Calculation Totals

P21 lets you customize totals for Media, Cashier, Manager, DCR, and Station Total Reports. With the P21 Calculation Table program, you can create a total that adds, subtracts, multiplies, or divides any of the Report Totals listed in the Report Total Code chart. You can use constants in your calculations. And you can store results in a buffer to recall later.

Note: The Calculation Table screen provides a menu to assist with programming. After you enter a Table #, the cursor appears at the Name line. You enter a Line # and press SBTL to go to a specific line. Or press SBTL to move down a line at a time.

There are four basic steps to this program. First, decide what you are going to call the total you are creating. You can use eight characters for the name. Second, map out each step in the calculation you are building. (This becomes the balancing formula for your total.) Third, determine whether or not the total is resettable. And, finally, translate the calculation, line by line, into the codes the system uses.

When you are ready to translate your calculation, you have several decisions to make. For example, you must identify whether you are entering a Report Total Code, a Constant, or a Calculation Table # link on the line. If you enter a Report Total Code, you can use its total or its counter. You can use the value as reported, or you can ask for the absolute (always positive) value. You can use the total reported on the same report where this total appears. Or you can use the total from the Media Report. And finally, you can add, subtract, divide, or multiply the total, end the calculation, or link it to another calculation.

To illustrate this process, consider a very basic calculation total, "DISC TL". The formula for this total is: Discount 1 (Report Total Code 11) + Discount 2 (Report Total Code 12) + Discount 3 (Report Total Code 13). This total resets at System Open. It is going to be included on the Cashier Report, and its components are based on the totals from the Cashier Report. It uses the reported totals (as opposed to the absolute values). For this total, you use the following "formula":

Discount 1 (Report Code 11), Total (vs. Count)
Add, Discount 2 (Report Code 12), Total
Add, Discount 3 (Report Code 13), Total
(End Calculation)

The codes you enter to translate this formula are described on the next page. For this example, you would enter 0 for the Status. For the DATA 1 line, you would enter 001100 (Report Code 11, Total). For the DATA 2 line, you would enter 001201 (Report Code 12, Total, Add). For the DATA 3 line, you would enter 001301 (Report Code 13, Total, Add). And, for the DATA 4 line, you would enter 8 (End Calculation).

Worksheet Entries

Table #:Enter the number (1-99) of the Calculation Total you are creating.

Name:Enter the description you want to use for this Calculation Total. You can use up to eight characters.

Status:0= Reset this total Z1, Z2, and System Open.
1= Non-Resettable Total.

Data 1-7:Use these seven fields to create the calculation. For each line, enter values from the options listed below.

A-D:Enter the Report Total Code (from the Report Total Code Chart) associated with the first total you are using in this calculation. Or, if the first total is a positive constant, enter the value of the constant (0-999). If it is a negative constant, enter 8, then enter the value of the constant (0-999). Or, if you are linking to another table, enter the linked table # (0-99).

E:Select one of the options below to identify the type of count, total, or constant you are entering on this line.

- 0= Total Only
- 1= Counter Only
- 2= Total Only (from the Media Report)
- 3= Counter Only (from the Media Report)
- 4= Absolute Total Only
- 5= Absolute Counter Only
- 6= Absolute Total Only (from the Media Report)
- 7= Absolute Counter Only (from the Media Report)
- 8= Constant
- 9= Recall Data from Buffer

F:Select one of the options below to signal the action/calculation to be performed with the Report Total Code you are entering.

- 0= No calculation required.
- 1= Add (+)
- 2= Subtract (-)
- 3= Multiply
- 4= Divide (and round fractions down)
- 5= Divide (and use normal 5/4 rounding for fractions)
- 6= Divide (and round fractions up)
- 7= Go to the Table # indicated
- 8= End the Calculation
- 9= Store the results to a buffer

P21 Calculation Table Worksheet

Table #	Descriptor	Status	Data	Table #	Descriptor	Status	Data
CSHR	CASH	CASH	A B C D E F	CSHR	CASH	CASH	A B C D E F

Data 1-7

A-D: 0001-9999=Report Code
 0001-0999=Positive Constant (1 to 999)
 8001-8999=Negative Constant (-1 to -999)

E: 0=Total
 1=Counter
 2=Register Total

F= 0=No Calculation
 1=Add (+)
 2=Subtract (-)

Status

0= Reset at Z1, Z2, System Open
 1= Non-Resetable Total

0001-0099=Linked Table #

3=Register Counter
4=Absolute Total
5=Absolute Counter
6=Absolute Reg. Total
7=Absolute Reg. Counter
8=Constant Value
9=Recall Buffer Data

3=Multiply (x)
4=Divide (round down)
5=Divide (5/4 rounding)
6=Divide (round up)
7=Link to Table #
8=End Calculation
9=Store Result to Buffer

P23 Tax Configuration

Use Program 23 to enter the tax tables, tax rates, and VAT rates you need for this application. You can assign three separate taxes. Enter Tax 1 data in the 100 Addresses, Tax 2 data in the 200 Addresses, and Tax 3 data in the 300 Addresses of the P23 worksheet.

There are four tax configurations. Your area may use a straight percentage rate, a tax table, a combination of the two or Value Added Tax (VAT, where the tax is included in the price of the item). Refer to the formula you need.

Tax Rate (Straight Percentage)

Tax Rates are perhaps the easiest type of tax to program. In the first address of P23, you specify the highest non-taxed amount and follow that entry with the code (4) signalling a Tax Rate. If, for example your first penny of tax begins at 5¢, you should enter '44' in the first address. The second address holds the percentage rate (an entry of 6500 equals 6.5%). Because Tax Rates do not use a table of break points, your last two entries are always '100' and '100'. Sample tax rate programs are provided below.

1. ____ _ 4
(Highest Amount not Taxed) (4= Tax Rate)
2. _____
(Tax Rate Percentage xxxxx.xxx)
3. 1 0 0 (Always 100)
4. 1 0 0 (Always 100)

Rate Examples

1) 5% Tax Rate

104- highest ntx amt: \$0.10
5000- 5% Rate
100- Exception
100- Repeat

2) 3% Tax Rate:

154 - highest NTX amt: \$0.15
3000 - 3% Rate
100 - Exception
100 - Repeat

Note: 100 entries take two address lines and appear as "00" "??" on the P23 screen.

Value-Added Tax (VAT):

The programming for Value-Added Tax is similar to Tax Rates. Enter the highest non-taxed amount in the first address, with a '2' to signal VAT. Enter the rate in the second address, and '100' in the next two addresses.

1. _____ 2
(Highest Amount not Taxed) (2= VAT Tax)
2. _____
(Tax Rate Percentage xxxxx.xxx)
3. 1 0 0 (Always 100)
4. 1 0 0 (Always 100)

Note: Do not use Report Code 92 with VAT.

VAT Examples

- 1) 5.2% VAT
102- Highest NTX amt: 10¢
5200- 5.2% VAT rate
100- Exception
100- Repeat
- 2) 4% VAT
002- VAT; \$.00 not taxable
4000- 4% VAT rate
100- Exception
100- Repeat

Tax Tables

If the tax for your area cannot be categorized as a straight percentage, you may need to set up a tax table. In a tax table, each penny of tax falls after an assigned increment. For example, the first penny may be charged after 10¢, the second penny after 21¢, etc. If you are programming this type of tax, you must obtain the breaks used for your area, then find the "pattern" or repeating point. You must enter exceptions, as shown in the description below.

1. _____ 0
(Highest Amount Not Taxed) (0=Table)
2. 1 0 0 0 _____
(Always 1000) (tax on \$10.00 - 35¢ = 035)
3. _____
... exception breakpoints; enter all breaks that precede the repeating pattern. Precede the final exception with '1' (End-of-Exception).
4. _____
...repeat breakpoint. Enter each of the breaks which form the repeating pattern. Precede the

4% Tax Table Example

120Tax starts after 12¢, 0= Tax Table
1000040Tax on \$10.00

12First exception
22Second exception
25Third exception
128Final exception

125First (and final)
Repeat Break

final break with a '1'.

Tax Tables with Percentages

Your state may use a tax formula that begins with a table, but at some point leads into a straight percentage. If your state uses this taxing system, the first address in P23 includes three important elements: the starting point for the defined percentage, the highest non-taxed amount, and the code (8) signalling this type of tax. Use the second address to specify the percentage rate, and the remaining addresses to enter the break points of the tax table.

1. _____ 8
(% Start Point)(No Tax Amt.)(8=Table)
2. _____
(Percentage Rate - xxxxx.xxx)
3. _____
... exception breakpoints for the tax table.
Enter all exceptions (breaks which do not fit into a pattern). Precede the final exception with a '1' to signal the end of the exception table.
4. _____
...repeat breakpoint. Enter each of the breaks which form the repeating pattern of the tax table. Precede the final repeat break with a '1' to signal the end of the repeat pattern.

6% Table/Percentage Example

Percentage starts
1090088 -at \$1.09; highest non-tax
amount = 8¢

6000 -6% Rate

9 -First exception

16 -Exception

17 -Exception

17 -Exception

16 -Exception

17 -Exception

117 -Final Exception

116 -First (and final)

Repeat

You can enter up to three tax configurations in Program 23. The system refers to these configurations throughout the program to identify the tax that applies to the menu items, service transactions, coupons, etc.

P23 Tax Tables (P2 Mode) Beginning Sequence: 23 CASH

ADD	Tax 1	ADD	Tax 2	ADD	Tax 3
100 CSHR	CA	200 CSHR	CA	300 CSHR	CA
101 CSHR	CA	201 CSHR	CA	301 CSHR	CA
102 CSHR	CA	202 CSHR	CA	302 CSHR	CA
103 CSHR	CA	203 CSHR	CA	303 CSHR	CA
104 CSHR	CA	204 CSHR	CA	304 CSHR	CA
105 CSHR	CA	205 CSHR	CA	305 CSHR	CA
106 CSHR	CA	206 CSHR	CA	306 CSHR	CA
107 CSHR	CA	207 CSHR	CA	307 CSHR	CA
108 CSHR	CA	208 CSHR	CA	308 CSHR	CA
109 CSHR	CA	209 CSHR	CA	309 CSHR	CA
110 CSHR	CA	210 CSHR	CA	310 CSHR	CA
111 CSHR	CA	211 CSHR	CA	311 CSHR	CA
112 CSHR	CA	212 CSHR	CA	312 CSHR	CA
113 CSHR	CA	213 CSHR	CA	313 CSHR	CA
114 CSHR	CA	214 CSHR	CA	314 CSHR	CA
115 CSHR	CA	215 CSHR	CA	315 CSHR	CA
116 CSHR	CA	216 CSHR	CA	316 CSHR	CA
117 CSHR	CA	217 CSHR	CA	317 CSHR	CA
118 CSHR	CA	218 CSHR	CA	318 CSHR	CA
119 CSHR	CA	219 CSHR	CA	319 CSHR	CA
120 CSHR	CA	220 CSHR	CA	320 CSHR	CA
121 CSHR	CA	221 CSHR	CA	321 CSHR	CA
122 CSHR	CA	222 CSHR	CA	322 CSHR	CA
123 CSHR	CA	223 CSHR	CA	323 CSHR	CA
124 CSHR	CA	224 CSHR	CA	324 CSHR	CA
125 CSHR	CA	225 CSHR	CA	325 CSHR	CA
126 CSHR	CA	226 CSHR	CA	326 CSHR	CA
127 CSHR	CA	227 CSHR	CA	327 CSHR	CA
128 CSHR	CA	228 CSHR	CA	328 CSHR	CA
129 CSHR	CA	229 CSHR	CA	329 CSHR	CA
130 CSHR	CA	230 CSHR	CA	330 CSHR	CA
131 CSHR	CA	231 CSHR	CA	331 CSHR	CA
132 CSHR	CA	232 CSHR	CA	332 CSHR	CA
133 CSHR	CA	233 CSHR	CA	333 CSHR	CA
134 CSHR	CA	234 CSHR	CA	334 CSHR	CA
135 CSHR	CA	235 CSHR	CA	335 CSHR	CA
136 CSHR	CA	236 CSHR	CA	336 CSHR	CA
137 CSHR	CA	237 CSHR	CA	337 CSHR	CA
138 CSHR	CA	238 CSHR	CA	338 CSHR	CA
139 CSHR	CA	239 CSHR	CA	339 CSHR	CA
140 CSHR	CA	240 CSHR	CA	340 CSHR	CA
141 CSHR	CA	241 CSHR	CA	341 CSHR	CA
142 CSHR	CA	242 CSHR	CA	342 CSHR	CA
:	:	:	:	:	:

150 CSHR _____ CA 250 CSHR _____ CA350 CSHR _____ CA

P24 System Flags

Use the Program 24 System Flags to define your basic system parameters, including Manager lock options, printer selection and print options, tax options, and report options. RAM Clear loads default values into the P24 Flags. The defaults represent the most commonly selected options, but you can change them to any value you need for your application.

System Flags are single-digit entries in Addresses 100-199. You select the options that apply to your application, and enter the option values in the space provided. If you need more than one option, you can add the values. If none of the options apply, enter '0'. If you do not enter a value for the address, the default value is used. In most cases, defaults are zero; exceptions are shown.

Flag 119 is shown here to illustrate the procedure you use for System Flags. This Flag, or Address, lists options that apply to MGR Lock compulsion. If your application requires MGR lock for both Promo and Waste function, add the selected values (1 + 4) and enter the sum on the worksheet, as shown here.

119 1 =Require MGR lock for Promo. 2 =Require MGR lock for No Tax. 4 =Require MGR lock for Waste.	119 CSHR 5 CASH <i>Default = 6</i>
--	---------------------------------------

If your application does not require Manager Lock for any of the functions listed in this address, enter '0'.

119 1 =Require MGR lock for Promo. 2 =Require MGR lock for No Tax. 4 =Require MGR lock for Waste.	119 CSHR 0 CASH Default = 6
--	--------------------------------

Default values (other than 0) are shown for the System Flags. The Default Value for Flag 119 is 6. If you do not enter a value, the systems uses a value of 6, requiring Manager Lock for Tax Exemption and Waste. Flag defaults are zero, except where shown.

P24 System Flags

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<p>100 1=Print Taxable Subtotal on Receipt, Journal, and Slip. 2=Print General Itemizer on Receipt and Journal. 4=Disable TOTAL print on Check Paid receipt.</p>	100 CSHR _____ CASH
<p>101 1=Enable Stub Print. 2=Print items on-the-fly at the Receipt and Journal Printers. [If not set, item print is buffered.] 4=Print Items on a Remote Journal (JS-800TP). [If not set, items print on the internal journal]</p>	101 CSHR _____ CASH
<p>102 1=Allow multiple receipt copies with the Receipt Issue key. 2=Enable TM295 Type Slip Printer (vs TM290).</p>	102 CSHR _____ CASH Default = 1
<p>103 1=Print Preamble on the Receipt/Slip. (For Preamble or Postamble print on the Slip, Flag 177 must be 1). 2=Print Postamble on the Receipt/Slip. 4=Print Credit Card Approval Message at Check Print.</p>	103 CSHR _____ CASH
<p>104 1=Print NRGT on Media Reports. 2=Reset NRGT at Z1 Media Reports. 4=Reset Transaction numbers at each Z1 Media Report.</p>	104 CSHR _____ CASH Default = 1
<p>105 1=Do not print inactive totals on the Media Report. 2=Enable Z1 Report Menu. [If not set, the menu is blank on Basic workstations and displays only System Open/Close on the Master.] 4=Do not print inactive totals on Time Reports.</p>	105 CSHR _____ CASH
<p>106 1=Print Training Grand Total (TRGT) on the Media Report. 2=Disable Drawers, Coin Dispensers, and R/P in TR Mode. 4=Print CAID and DRTL on Media and Drawer Reports.</p>	106 CSHR _____ CASH

P24 System Flags

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<p>107</p> <p>1=Prioritize Item print/display. (Priority is based on the subgroup link.) 2=Prioritize Condiment print/display. 4=Use sales count for GST (Canada) Except. [If not set, use piece count.]</p>	<p>107 CSHR _____ CASH</p>
<p>108</p> <p>1=Enable Error Beeper. 2=Enable Automatic Clear (REG Mode only).</p>	<p>108 CSHR _____ CASH Default = 3</p>
<p>109</p> <p>1=Select Net Sales without VAT. 2= Print Food Cost2 AND Food Cost2 % on Inventory Reports. 4=Print VCST% (vs. EFF%) at Close, X1/X2 Inventory Reports.</p>	<p>109 CSHR _____ CASH</p>
<p>110</p> <p>1=Require Amount Tender for Cash and Check payments. 2=Inhibit Split Tendering on Cash and Check keys. 4=Require MGR for Negative (Credit Balance) and \$.00 sales.</p>	<p>110 CSHR _____ CASH</p>
<p>111</p> <p>1=Require Check Endorsement. 2=Verify Server/Check I.D. at Check Recall/P.B. If set, Recall can only be performed by the server who opened the check. 4=Disable Direct Check Paid after Service. (See also Flag 166)</p>	<p>111 CSHR _____ CASH</p>
<p>112</p> <p>1=Require Deposit #1 entry at System Close. 2=Require Actual Inventory (for ingredients 1, 2) at System Close. 4=Require MGR for Server Check Transfers in Reg Mode.</p>	<p>112 CSHR _____ CASH Default = 4</p>

P24 System Flags

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<p>113 1=Enable Drawer Compulsion. 2=Enable Low Paper Warning for Journal Printer. This applies if Flag 198=0, [If Flag 198= 1, enter '2' to enable communication to a Direct Dot Matrix Printer. Enter '0' to enable communication to a Direct Thermal Printer.] 4=Retain Actual Inventory entries in X1 Mode. [If not set, X1 entries give a temporary usage calculation that resets as you exit X1 Mode.]</p>	<p>113 CSHR _____ CASH Default = 2</p>
<p>114 1=Require Validation for R/A and R/A2 entries. 2=Require Validation for P/O and P/O2 entries. 4=Require Validation for Voids.</p>	<p>114 CSHR _____ CASH</p>
<p>115 1=Require In/Out/DT or another destination at the beginning of every transaction. 2=Prohibit Previous Item Voids. 4=Require Validation Compulsory for CASH and CASH2.</p>	<p>115 CSHR _____ CASH</p>
<p>116 1=Require Table # entry. 2=Require Person # entry for each order. 4=Require # Guest (Cover Count) at New Check.</p>	<p>116 CSHR _____ CASH</p>
<p>117 1=Verify Server/Check I.D. at Check Paid. (See also Flag 111) 2=Require Server Log-on for New Check transactions. 4=Require MGR for New Check transactions.</p>	<p>117 CSHR _____ CASH</p>
<p>118 1=Require MGR for Delete and Return. 2=Require Time entry for Delete (allows deleted items to update the appropriate time total). 4=Require MGR for voids of items from previous service transactions. See also Flag 115.</p>	<p>118 CSHR _____ CASH</p>

P24 System Flags

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<p>119</p> <p>1=Require MGR for Promo. 2=Require MGR for No Tax. 4=Require MGR for Finished Waste.</p>	<p>119 CSHR _____ CASH Default = 6</p>
<p>120</p> <p>1=Require MGR for Received-on-Account (R/A 1 & R/A 2) entries. 2=Require MGR for Paid Out (P/O 1 & P/O 2) entries. 4=Require # entry for R/A and P/O entries.</p>	<p>120 CSHR _____ CASH</p>
<p>121</p> <p>1=Log off Cashiers at the end of each transaction. 2=Servers remain logged on until logged off.</p>	<p>121 CSHR _____ CASH</p>
<p>122</p> <p>1=Require MGR for Voids (including Cursor Voids). 2=Require MGR for All Void. 4=Require MGR for Error Corrects (Last Item Voids).</p>	<p>122 CSHR _____ CASH</p>
<p>123</p> <p>1=Test the Negative File for all Check and Charge transactions. 2=Require MGR for No Sales.</p>	<p>123 CSHR _____ CASH</p>
<p>124</p> <p>2=Require MGR for Open, Subtracting PLUs. 4=Require MGR to override a HALO on an Open PLU .</p>	<p>124 CSHR _____ CASH</p>
<p>125</p> <p>2=Do not reset PLU Staydown level at the end of each transaction (the level stays in effect until a new Staydown Shift is pressed). 4=Reset the keyboard level to Menu 1 at the end of each transaction.</p>	<p>125 CSHR _____ CASH</p>

P24 System Flags

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<p>126 Use this flag for percentage rounding that does not apply to taxes. See Flag 139 for VAT/Tax Rates rounding. 0=Fractions round down to the nearest whole number. 5=Normal rounding [fractions >5 round up, ≤4 round down] 9=Fractions round up to the next whole number.</p>	<p>126 CSHR _____ CASH Default = 5</p>
<p>127 1=Enable programmable ranges for Time Reports. [If not set, default half-hourly ranges are enabled.] 4=Update NSTL, Time Totals, and # Guests at Check Paid. [If not set, time totals are updated at each Service.]</p>	<p>127 CSHR _____ CASH</p>
<p>128 1=Enable Staydown Mode for Shifts 10-90 (all items entered after the shift key are modified by the shift level). 2=Print the PLU number with each item. 4=Enable Staydown Mode for Shift levels 0-9.</p>	<p>128 CSHR _____ CASH</p>
<p>129 1=Assign Preset PLUs in multiples of 10. 2=Assign Preset PLUs in multiples of 100. 3=Assign Preset PLUs in multiples of 1000. 4=Multiply Shift levels 1-9 by 1000; e.g., Shift 1 becomes Shift 1000.</p>	<p>129 CSHR _____ CASH Default = 1</p>
<p>130 1=Enable Subtotal Compulsion.</p>	<p>130 CSHR _____ CASH</p>
<p>131 1=Add Tax 1 to Charge Tips. 2=Add Tax 2 to Charge Tips. 4=Add Tax 3 to Charge Tips.</p>	<p>131 CSHR _____ CASH</p>
<p>132 1=Include Tax 1 for Eat-In transactions. 2=Include Tax 2 for Eat-In transactions. 4=Include Tax 3 for Eat-In transactions.</p>	<p>132 CSHR _____ CASH Default = 7</p>

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<p>133</p> <p>1=Include Tax 1 for Take-Out transactions. 2=Include Tax 2 for Take-Out transactions. 4=Include Tax 3 for Take-Out transactions.</p>	<p>133 CSHR _____ CASH Default = 7</p>
<p>134</p> <p>1= Promo does not affect Tax 1. 2= Promo does not affect Tax 2. 4= Promo does not affect Tax 3</p>	<p>134 CSHR _____ CASH</p>
<p>135</p> <p>1= Add Tax 1 to Tip 2 (Cash Tips) 2= Add Tax 2 to Tip 2. 4= Add Tax 3 to Tip 2.</p>	<p>135 CSHR _____ CASH</p>
<p>136</p> <p>1= Allow combined GCK at Drive-Thru in MGR mode only.</p>	<p>136 CSHR _____ CASH</p>
<p>137</p> <p>1=Default to Eat-In destination. 2=Default to Take-Out destination. 3=Default to Drive-Thru destination. 4=Default to Destination 4. 5=Default to Destination 5. 6=Default to Destination 6.</p> <p><i>Note:0= Default to No Destination. Remember to also specify the appropriate tax default in Flag 132, 133, 138, 192-194.</i></p>	<p>137 CSHR _____ CASH</p>
<p>138</p> <p>1=Include Tax 1 for Drive-Thru transactions. 2=Include Tax 2 for Drive-Thru transactions. 4=Include Tax 3 for Drive-Thru transactions.</p> <p><i>Note: See Also Flags 132, 133.</i></p>	<p>138 CSHR _____ CASH Default = 7</p>

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<p>139 Use this flag for VAT/Tax rounding. See Flag 126 for other percentage rounding.</p> <p>0=Value Added Tax (VAT) and Tax Rates round down. 5=VAT/Tax Rates use normal (5/4) rounding. 9=VAT and Tax Rates round up to nearest whole number.</p>	<p>139 CSHR _____ CASH Default = 5</p>
<p>140 1=Issue New Checks with the PB Key. (When pressed without a number, PB/Check Recall opens a new check.) This function is only available with system-assigned guest checks. 2=Delete the guest check balance if only persons with \$.00 balances remain after a Check Paid. 4=Retain Percentages and Tips entered at Check Print. [If not set, entries at Check Print are only noted and must be re-entered at Check Paid].</p>	<p>140 CSHR _____ CASH</p>
<p>141 1=Allow Cashier Log-On at any point in the transaction. 2=Do not require Cashier Log-On to start a transaction. 4=Require MGR for Cashier Log-On.</p>	<p>141 CSHR _____ CASH</p>
<p>142(See note after Flag 146.) 1= # key acts as Slip Release key. 2= @ key acts as Slip Release key.</p>	<p>142 CSHR _____ CASH Default =1</p>
<p>143(See note after Flag 146.) 1= "0" key acts as one-line validation on the Slip Printer.</p>	<p>143 CSHR _____ CASH</p>
<p>144 (See note after Flag 146) 1= Cash key acts as No Sale. 2= # key acts as No Sale.</p>	<p>144 CSHR _____ CASH Default = 1</p>
<p>145 (See note after Flag 146) 1= Cash key acts as Receipt Issue. 2= # key acts as Receipt Issue.</p>	<p>145 CSHR _____ CASH</p>

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<p>146 1= Cash key acts as Date & Time Issue. 2= @ key acts as Date & Time Issue.</p> <p><i>Note:Cash and # are limited to a choice of one Flag 142-146 function; i.e., Cash cannot serve as Receipt Issue <u>and</u> No Sale.</i></p>	<p>146 CSHR _____ CASH</p>
<p>147</p> <p>1=Require MGR for manager compulsory operations even when a MGR 1 or 2 level cashier is logged onto the workstation. [If not set, MGR 1 and 2 level log numbers override the need for MGR Mode.]</p>	<p>147 CSHR _____ CASH</p>
<p>148</p> <p>2=Print prices on the Remote Printer. With this option, each item requires two lines of print. [If not set, item print is bold and requires only one line].</p> <p>4=Enable FF format for Remote Devices (order #, destination, and cashier name for KVS; order #, # guest, destination or table # for R/P). [If not set, FD format is used (GCK # on KVS; GCK #, # guest, and table # for R/P.)]</p>	<p>148 CSHR _____ CASH</p>
<p>149</p> <p>1=Print inactive totals on the Cashier Report. 2=Print inactive totals on the Subgroup and Coupon Reports. 4=Print inactive totals on the Major Group, Product Mix, and Summary Group Report.</p>	<p>149 CSHR _____ CASH</p>
<p>150</p> <p>1=Do not print the PLU Report at System Open & Close. 2=Do not print the Product Mix Report at System Open & Close. 4=Print inactive totals on the PLU Report at System Open & Close.</p>	<p>150 CSHR _____ CASH</p>

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<p>151 1=Inhibit System Open on this workstation. 2=Do not reset Daily Timekeeping totals at System Close. 4=Do not check for Open Guest Checks at System Close.</p>	<p>151 CSHR ____ CASH</p>
<p>152 1= Disable Tax 1 Print. 2= Disable Tax 2 Print. 4= Disable Tax 3 Print. 8= Print a sum of all taxes (1-3). 9= Print Sum of taxes (2-3 for GST only)</p>	<p>152 CSHR ____ CASH Default = 8</p>
<p>153 1=Include Tax in Net Sales (NSTL). 2=Update NSTL and Destination counters when the transaction total is \$.00. 4=Void, Error Correct, and All Void update NRGT.</p>	<p>153 CSHR ____ CASH</p>
<p>154 1=Require MGR for Clock-In, Clock-Out, Break 2=Use the last 4 digits of the Employee Code for Time Clock entries. 4=Use the last 6 digits of the Employee Code #. 6=Use the last 8 digits of the Employee Code #. 8=Use all 10 digits of the Employee Code #.</p> <p><i>Note:If Flag 154 < 2, use the Employee # (vs. Employee Code) for Clock-in, Clock-out, and Break.</i></p>	<p>154 CSHR ____ CASH</p>
<p>155 Not Used.</p>	<p>155 CSHR <u> 0 </u> CASH</p>
<p>156 4=Calculate AVIT (avg. # items) and AVTL (avg. total) by transaction count. [If not set, calculate these totals by customer count.]</p>	<p>156 CSHR ____ CASH</p>

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<p>157 0=Profit Centers are not used. 1=This workstation defaults to Profit Center 1. 2=This workstation defaults to Profit Center 2. 3=This workstation defaults to Profit Center 3. 4=This workstation defaults to Profit Center 4. 5=This workstation defaults to Profit Center 5.</p>	<p>157 CSHR _____ CASH</p>
<p>158 1=Disable price display on Menu Look-Up screen. 2=Enable Automatic Compulsory Modifier Display. [If not set, Menu Look-Up must be pressed to display matching modifiers.] 4=Display 6 items (vs. 3 items) per Menu Look-Up screen. (Not valid with option 1, above.)</p>	<p>158 CSHR _____ CASH</p>
<p>159 Enter the number of lines (0-9) to feed between orders on the kitchen printer. This entry is multiplied by 2 (e.g., a '5' advances 10 lines between orders). If this entry is <3, the Auto Cutter on the printer is disabled.</p>	<p>159 CSHR _____ CASH Default = 5</p>
<p>160 1=Disable Server # print on the Receipt, Journal, and Kitchen Printers. 4=Enable Red print. [Valid for certain printers only.]</p>	<p>160 CSHR _____ CASH</p>
<p>161 1=Tandem PLUs follow the R/P Remote Steering of the PLU to which they are linked. 2=Select the JS-800 Thermal Printer for Remote Print functions. [If not set, JS-800RM Printer is selected.] If both types of printers are used on your system, enter '2.'</p>	<p>161 CSHR _____ CASH</p>

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<p>162</p> <p>1=Do not print the Summary Group, Major Group, or Subgroup Reports at System Close.</p> <p>2=Do not print the Cashier Report at System Close.</p> <p>4=Do not print the Server Report at System Close.</p>	<p>162 CSHR _____ CASH</p>
<p>163</p> <p>1=Do not print Time/Dest/Profit Center Reports at System Close.</p> <p>2=Do not print Timekeeping Reports at System Close.</p> <p>4=Do not print Inventory Reports at System Close.</p>	<p>163 CSHR _____ CASH</p>
<p>164</p> <p>1=Do not print Cash (report total 16) even if it is programmed on Media, Cashier, and Server Reports.</p> <p>2=Disable Tandem PLU Display only. See also P35, Status 1.</p>	<p>164 CSHR _____ CASH</p>
<p>165</p> <p>1=Disable Like Item Consolidation on W/S screens, Direct, and System Printers. [If not set, like items consolidate.]</p> <p>2=Print only ingredients for which Actual Inventory has been entered.</p>	<p>165 CSHR _____ CASH</p>
<p>166</p> <p>1=Require MGR for Guest Check Transfer (where an existing check balance is transferred to a new check number).</p> <p>2=Allow Direct Check Paid after Check Print (after a Check Print Service, you can go directly to Check Paid - See also Flag 111).</p> <p>4=Require Check Print (for each person) prior to Check Paid.</p>	<p>166 CSHR _____ CASH</p>
<p>167</p> <p>1=Verify Server/Check I.D. at Check Print. (See also Flag 111.)</p> <p>2=Retain all items, including free (zero price) items.</p>	<p>167 CSHR _____ CASH</p>

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168 If using the Screen Saver, enter the number of minutes (1-9) after which the screen blanks. Enter '0' to disable Screen Saver.	168 CSHR ____ CASH
169 Enter (1-9) items after which GST exception begins. A value of 5 is added to your entry; e.g., 1= exception after 6 items, 2= exception after 7...9= exception after 14 items. [0= GST Exception Not Used.]	169 CSHR ____ CASH
170 1=Allow cashier and manager log-on via employee card. 2=Allow server log-on via employee card. 4= Allow guest check access via Magnetic Card Reader.	170 CSHR ____ CASH
171 1=Report linked Major Groups by Summary Group.	171 CSHR ____ CASH
172 1=Inhibit transaction # on receipt (REG Mode). 2= Require # guest entry at the start of cash transaction. 4= Require MGR for manual guest check # entry if Flag 170=4.	172 CSHR ____ CASH
173 1= Select NRGT = NSTL.	173 CSHR ____ CASH
174 1= Enable Journal print after any server activity. <i>Note:If enabled, the Memory Allocation for Address 119 cannot be zero; Flag 177 must also be set to 4 (Enable Server Interrupt).</i>	174 CSHR ____ CASH
175 Not Used - Enter 0.	175 CSHR <u>0</u> CASH

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<p>176 1=Report PLUs by Subgroup on System Open & Close Reports. 2=Report Subgroups by Major Group on System Open & Close. 4= Print Net Sales Total on the PLU Report.</p>	176 CSHR ____ CASH
<p>177 1=Disable Automatic Line Find at Check Paid. 2=Disable Automatic Slip Kickback. (A "Cont." slip message overlays this setting.) 4=Enable Server Interrupt.</p>	177 CSHR ____ CASH
<p>178 1=Enable 2-digit Masking for Compulsory Modifier lists. Items are registered by entering the 2-digit number; the PLU key is not required. [If not set, the 1-6 digit code number displays.] 2=Allow override of the compulsory number of condiments. 4=Enable Subgroup Staydown with the Menu Look-up key.</p>	178 CSHR ____ CASH
<p>179 1=Move the system decimal point to the 1st position (xxxxx.x). 2=Move the system decimal to the 2nd position (xxxx.xx). 3=Move the system decimal to the 3rd position (xxx.xxx). 4=Disable Closed message that appears on the Customer Display in the Off position.</p>	179 CSHR ____ CASH Default = 2
<p>180 1= Display two columns of five items at Menu Look-up.</p>	180 CSHR ____ CASH
<p>181 Not Used - Enter 0.</p>	181 CSHR <u>0</u> CASH
<p>182 1=Position the scale decimal in the first position (xx.x) 2=Position the scale decimal in the second position (x.xx) 3=Position the scale decimal in the third position (.xxx)</p>	182 CSHR ____ CASH Default = 2

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<p>183</p> <p>1=Automatically read the weight of an item placed on the scale. If weight changes after the scale key is pressed, the new weight is displayed.</p> <p>2=Base weight measurements on kilograms. [If not set, weight is measured in pounds.]</p>	<p>183 CSHR _____ CASH</p>
<p>184</p> <p>0=Round scale fractions (weight x cost) down to nearest whole number.</p> <p>5=Use normal rounding for scale fractions.</p> <p>9=Round Scale fractions up to the nearest whole number.</p>	<p>184 CSHR _____ CASH Default = 5</p>
<p>185</p> <p>1=Enable Scale Multiplication. [Scale multiplication (with decimal quantity) is allowed only if no weight is detected on the scale.]</p>	<p>185 CSHR _____ CASH</p>
<p>186</p> <p>1=Include Gift Certificate Redemptions in the Drawer Total.</p> <p>2=Report difference (vs. average) for Special Price PLUs.</p>	<p>186 CSHR _____ CASH</p>
<p>187</p> <p>1=Enable special count and total for PLUs, where Summary, Subgroup, Major Group, and PLU Reports display special counts for PLUs. [If not set, these reports show quantity and dollar amounts for each PLU.]</p> <p><i>Note: You must also allow for Scale functions in the Memory Allocation formulas. If enabled, Waste and Scale functions cannot be used.</i></p> <p>2=Format Promo receipts with the original price and the allocated discount amount. [If not set, the Promo receipt only shows the Promo item.]</p> <p>4=Require MGR for the SPCL key.</p>	<p>187 CSHR _____ CASH</p>

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<p>188 1=Allow the optional menu list to remain on-screen after a condiment selection. 2=Enable Auto-Report and do not reset the NRNT. 4=Store Auto-Report data (in the workstation where the report is generated until another Auto-Report is issued. Old data resets when a new report is generated. The report is stored without print.)</p>	188 CSHR ____ CASH
<p>189 1=Issue Auto-Report. 2=Enable system-wide (vs. terminal) Auto-Reports. 4=Reset Auto-Report data when the report is printed.</p>	189 CSHR ____ CASH
<p>190 1=Include Flash Time in Auto-Reports. 2= Do not include Non-Add PLUs in Group totals.</p>	190 CSHR ____ CASH
<p>191 1= Include Negative PLUs in Food Cost calculations.</p>	191 CSHR ____ CASH
<p>192 1= Include Tax 1 for Destination 4 transactions. 2= Include Tax 2 for Destination 4 transactions. 4= Include Tax 3 for Destination 4 transactions.</p>	192 CSHR ____ CASH
<p>193 1= Include Tax 1 for Destination 5 transactions. 2= Include Tax 2 for Destination 5 transactions. 4= Include Tax 3 for Destination 5 transactions.</p>	193 CSHR ____ CASH
<p>194 1= Include Tax 1 for Destination 6 transactions. 2= Include Tax 2 for Destination 6 transactions. 4= Include Tax 3 for Destination 6 transactions.</p>	194 CSHR ____ CASH
<p>195 1=Enable Diagnostic function to store last 4,000 key strokes. 2= Enable Trace Function on workstation.</p>	195 CSHR ____ CASH

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<p>196</p> <p>1=Enable Seat # tracking. With Seat # tracking, if you enter 2 guests, you can enter any two seat numbers from 1 to 16. [If not set, Person # Tracking is enabled. If you enter two guests, you can only use Person #1 and Person #2.]</p>	<p>196 CSHR _____ CASH</p>
<p>197</p> <p>Not Used - Enter 0.</p>	<p>197 CSHR <u> 0 </u> CASH</p>
<p>198</p> <p>0=Default to the JS500 workstation configuration. 1=Default to the JS510 workstation configuration. 4=Default to the JS520 workstation configuration.</p> <p><i>Note: This flag defaults automatically depending on hardware.</i></p>	<p>198 CSHR _____ CASH</p>
<p>199</p> <p>1=Basic Workstation. [If not set, this workstation acts as the System Master.]</p>	<p>199 CSHR _____ CASH</p>

P24 Miscellaneous Flags

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Miscellaneous Flags are 8-digit entries, A through H, in the 200 and 300 Addresses. Worksheets and descriptions for the Miscellaneous Flags are available on the next several pages. Select the options that apply to your application. Review the values available within each option and select those that apply to your system. If you do not need any options within a set, enter '0' for the position.

<p>200: Universal % Key 1 (key code 24) 201: Universal % Key 2 (key code 25) 202: Universal % Key 3 (key code 26) 203: Universal % Key 4 (key code 27) 204: Universal % Key 5 (key code 28)</p> <p>A 1=Update Tax 1. 2=Update Tax 2. 4=Update Tax 3. B1=Update NSTL (Net Sales). 2=Require MGR. 4=Enable a fixed 100% rate. C 1=Allow % by Item. 2=Allow % by Subtotal or Discount Subtotal. 4=Net Subgroups, Major groups, Prod Mix, & PLUs. Available for Item Discounts. This option is not valid with option 2. D 1=Open (vs. preset) %. 2=Subtracting Percentage (Discount). If not set, the percentage acts as a Surcharge. 4=Allow override of set percentages. (If set, you can specify a percentage that overrides the set value.) E-H Specify the rate (0-99.99%). To set a 10.5% rate, e.g., enter '1050'. Or enter '0000' for open % keys.</p> <p><i>Note: Discount Subtotal is not allowed if Canadian GST is enabled (Flag 229 > 4).</i></p>	<p style="text-align: center;">A B C D E F G H</p> <p>200 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA Default = 7136-1000</p> <p>201 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA Default = 7136-0500</p> <p>202 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA Default = 7134-1000</p> <p>203 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA Default = 7134-2000</p> <p>204 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p>
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<p>205: Gift Certificate Sold 1 (key code 29) 206: Gift Certificate Sold 2 (key code 30) 207: Gift Certificate Sold 3 (key code 31)</p> <p>A1=Add Tax 1 to G.C. Sold 2=Add Tax 2 to G.C. Sold 4=Add Tax 3 to G.C. Sold</p> <p>BEnter the number of digits (0-7) for the Open G.C. HALO. [1 = 9¢ (1 digit), 2 = \$.99 (2 digits), 3 = \$9.99, etc. HALOs are required for Open Certificates.</p> <p>C-HEnter the preset G.C. amount. Or enter '000000' for open gift certificates.</p>	<p>205 CSHR CA Default = 7300-0500</p> <p>206 CSHR CA</p> <p>207 CSHR CA</p>
<p>208: System Low Amount Lock-Out (LALO)</p> <p>A-BNot used - enter 00. C-HEnter the lowest dollar amount allowed on the system (\$.01-9999.99). Enter '0' if not used.</p>	<p>0 0 208 CSHR CA</p>
<p>209: Cash-in-Drawer High Amount Lock-Out (HALO)</p> <p>A-BNot used - enter 00. C-HEnter the highest amount of cash allowed in the drawer. When you reach this limit, a message appears at the end of each transaction. Enter '0' if not used.</p>	<p>0 0 209 CSHR CA</p>
<p>210: Check Tender</p> <p>A1=Require Validation. 2=Require Account #. 4=Enable a Change HALO (vs. Amount Tendered HALO). BNot used - Enter 0. C-HCharge HALO 0=No HALO, 1=.09, 2=.99, 3=9.99, 4=99.99, 5=999.99, 6=9999.99, 7=99999.99.</p>	<p>0 210 CSHR CA</p>
<p>211: Service 1 212: Service 2</p> <p>A1= Disable Service Print on the Receipt. 2= Disable Service Print on the Journal. 4= Disable Service Print on the Slip. B1= Service updates Tax 1. 2= Service updates Tax 2. 4= Service updates Tax 3. C-H Not Used - enter 000000.</p>	<p>0 0 0 0 0 0 211 CSHR CA Default = 0700-0000</p> <p>0 0 0 0 0 0 212 CSHR CA Default = 0700-0000</p>

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<p>213: Charge 1 (key code 301) 214: Charge 2 (key code 302) 215: Charge 3 (key code 303) 216: Charge 4 (key code 304) 217: Charge 5 (key code 305) 218: Charge 6-10 (key codes 306 through 310)</p> <p>Options for charge keys depend on whether you use a Magnetic Card Reader. Refer to the selection that applies to your system.</p> <p>Regular Charge Mode:</p> <p>A0=Regular Charge Mode. [1= Mag Card Mode, below]. 2=Require Account #. 4=Enable a Change HALO (vs. Amount tender HALO) B4=Allow Automatic Charge Tip (overtender is automatically applied to a Charge Tip). C1=Issue a 2-part charge receipt (Double Receipt). 2=Require Validation. DEnter the number (0-7) of HALO digits (1 allows 9¢, 2 allows 99¢, 3 allows \$9.99...7 allows \$99999.99). E-H Not Used - Enter 0000.</p> <p>Magnetic Card Reader/Manual Entry of Card Number:</p> <p>A1=Magnetic Card Reader Mode. 2=Issue 2-part charge receipt (Double Receipt). [If not set, Single Receipt format is used.] B1=Allow Manual Credit Card entry. 2=Allow Swipe Card entry. 4=Allow Automatic Charge Tips (overtender is considered a charge tip). C1=Enable Automatic Finalization (when card data is entered, the transaction is finalized). 2=Enable Automatic Card Recognition (reader checks leading account digits to determine card type). 4=Require Validation. DEnter the number of digits (1-7) for the HALO; e.g., 1= 9¢, 2= .99, 3= \$9.99, ... 7= \$99999.99. E-HEnter 1-4 of the most significant digits of the credit card number. This tells the card type for Automatic Card Recognition (where a charge is automatically tendered when an account number is entered or scanned).</p> <p>Example: Amex=37 Master Card=05 Visa=04 Discover=60</p>	<p style="text-align: center;">A B C D E F G H</p> <p>213 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p> <p>214 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p> <p>215 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p> <p>216 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p> <p>217 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p> <p>218 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
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<p>219: Slip Printer Control</p> <p>A-BEnter the number of lines (0-99) printed per slip for Reports.</p> <p>C-DEnter the number of lines (0-99) printed per guest check. (0= Hardware Detect.)</p> <p>EEnter the # of lines to Top of Form at Check Print. If Flag 223 F=1, this also affects Check Paid.</p> <p>F1=Require Slip for Service 1. 2=Require Slip for Check Print. 4=Require Slip for Check Paid.</p> <p>G1=Disable Tax Print on Slip at Service. (Tax always prints at Check Paid.) 2=Require Slip for Service 2. 4=Print Transaction line (time, date, Reg #) on Slip at Service. (This line always prints at Check Print and Check Paid.)</p> <p>H1=Enable Automatic Line Find. 2=Print GCK line (GCK, Table, Server) at PB. 4=Print GCK line (GCK, Table, Server) at Check Paid. (The GCK line always prints at New Check and Check Print.)</p>	<p style="text-align: center;">A B C D E F G H</p> <p>219 CSHR CA Default = 3030-0605</p>
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<p>223: Guest Check Length</p> <p>A-ENot Used - Always 00000.</p> <p>F1=The Minimum # of Lines (specified in G-H below) also applies to Check Paid.</p> <p>G-HEnter the Minimum # of Lines to feed at Check Print (00-99).</p>	<p style="text-align: center;">0 0 0 0 0</p> <p>223 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p> <p>Default = 0000-0005</p>
<p>224: Initial Guest Check/Bulk Settlement</p> <p>A-FNot Used - Enter 000000.</p> <p>G1=Enable Bulk Settlement. If used, Z1 GCK reports automatically close open checks (Charge 10, Tax, Check Paid, and NSTL count are updated). Charge 10 must be allocated to Media and Server Reports if this option is used.</p> <p>H1=Reset Check Numbers to the number specified in Flag 256. Option H, value 2 (below) must also be set.</p> <p>2=Reset Check #'s at System Open. This option is valid only when the GCK file resides in the System Master.</p>	<p style="text-align: center;">0 0 0 0 0 0</p> <p>224 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p>
<p>225: Gift Certificate Redemption</p> <p>A1=Gift Certificate Redemptions update Tax 1.</p> <p>2=Gift Certificate Redemptions update Tax 2.</p> <p>4=Gift Certificate Redemptions update Tax 3.</p> <p>BEnter the number of digits for the G.C. Redemption HALO; i.e., 1= \$.09 HALO (1 digit), 2= \$.99, etc. HALOs are required for open G.C. Redemption keys.</p> <p>C-HEnter the 6-digit preset redemption amount (\$.00-9999.99). Enter 000000 if not used.</p>	<p style="text-align: center;">225 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p> <p>Default = 7400-0000</p>

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<p>226: In-line Communication</p> <p>A1=Print the totals of each terminal separately at Reset (Direct Printer Only).</p> <p>B1=Print Accumulation and System Close totals at the System Master. [0= these reports do not print].</p> <p>C-DEnter the number of Retry attempts (00-99) before Comm Error or Comm Busy. Also set the retry length in Flag 227, Options A-D.</p> <p>E-FEnter the Lowest ArcNet # (from Flag 239) to be polled for System-wide reports and downlining.</p> <p>G-HEnter the Highest ArcNet # to be polled for System-wide reports, downlining, and communications.</p> <p><i>Note: Workstations should be numbered sequentially (1, 2, 3...20, etc.) to avoid communication delays.</i></p>	<p style="text-align: center;">A B C D E F G H</p> <p>226 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p> <p>Default = 0120-0101</p>
<p>227: In-line Communication</p> <p>A-BEnter the length (in seconds) of each retry attempt to a Shared/Remote Printer or KVS. Your entry is multiplied by 133ms.</p> <p>C-DEnter the length (in seconds) of each retry to a workstation. Your entry is multiplied by 133ms.</p> <p>E1=Send transaction data to the PC.</p> <p>2=Disable Retry (designated in Flag 228) when communicating to a Remote printer.</p> <p>F1=Disable the Continue option in System Close menu when an error is detected.</p> <p>G-HNot Used - Enter 00.</p>	<p style="text-align: center;">0 0</p> <p>227 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p> <p>Default= 1075 0000</p>
<p>228:</p> <p>Not Used.</p>	<p style="text-align: center;">0 0 0 0 0 0 0 0</p> <p>228 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>

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<p>229: Canada Tax</p> <p>A1=Print Subtotal without GST. B7=PST (Province Sales Tax) is not affected by GST. C-Enter the amount per transaction which is not Taxable. (Canadian applications) H0=Normal Tax handling. 1=Quebec tax specifications. 2=Ontario tax specifications. 4=Enable GST.</p>	<p>229 CSHR <input type="text"/> CA</p>
<p>230:</p> <p>DO NOT CHANGE (Close ctr)</p>	<p>DO NOT CHANGE!!</p> <p>230 CSHR <input type="text"/> CA</p>
<p>231: Transaction #, Workstation ID #</p> <p>A-D(Current transaction counter) E-HEnter the Workstation I.D. # to be printed on customer receipts. The least significant digit of this entry becomes the most significant digit of order numbers. See Flag 239 to set the ARCNET ID.</p>	<p>231 CSHR <input type="text"/> CA Default = 0001-0001</p>
<p>232:</p> <p>Not Used - DO NOT CHANGE data that may appear in this Address. (GT - lower 8)</p>	<p>DO NOT CHANGE!!</p> <p>232 CSHR <input type="text"/> CA</p>
<p>233:</p> <p>Not Used - DO NOT CHANGE data that may appear in this Address. (GT - upper 6)</p>	<p>DO NOT CHANGE!!</p> <p>233 CSHR <input type="text"/> CA</p>
<p>234:</p> <p>Not Used - DO NOT CHANGE data that may appear in this Address. (TG - lower 8)</p>	<p>DO NOT CHANGE!!</p> <p>234 CSHR <input type="text"/> CA</p>
<p>235:</p> <p>Not Used - DO NOT CHANGE data that may appear in this Address. (TG - upper 4)</p>	<p>DO NOT CHANGE !!!</p> <p>235 CSHR <input type="text"/> CA</p>

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236: RS-232C Channels 2 & 3 (requires option board)
 - Channel 2 -- Channel 3 -

A Stop Bits/Parity E Stop Bits/Parity
 0=Odd parity 0= Odd parity
 1=Even parity 1= Even parity
 2=1 Bit 2= 1 Bit
 4=1.5 Bits 4= 1.5 Bits
 6=2 Bits 6= 2 Bits

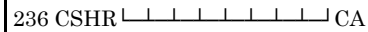
B Character Length F Character Length
 0=5 Bits 0=5 Bits
 1=6 Bits 1=6 Bits
 2=7 Bits 2=7 Bits
 3=8 Bits 3=8 Bits
 4=Enable Parity

C Device Selection G Device Selection
 1=Scale 1= Scale
 2=Coin Dispenser 2= Coin Dispenser
 4= PC w/IDACK
 5=Direct Receipt 5= Direct Receipt
 6=Direct Journal 6= Direct Journal
 7=Direct Slip Printer 7= Direct Slip Printer
 8=Shared Printer 8= Shared Printer

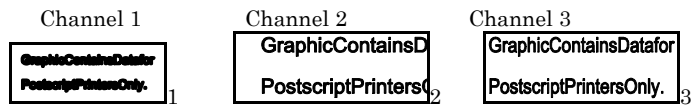
Select only one device per channel - The Direct Printer & Remote Printer can both be selected at the same time.

D BAUD Rate H BAUD Rate
 0=300 BPS 0= 300 BPS
 1=600 BPS 1= 600 BPS
 2=1200 BPS 2= 1200 BPS
 3=2400 BPS 3= 2400 BPS
 4=4800 BPS 4= 4800 BPS
 5=9600 BPS 5= 9600 BPS

Note:After Power-Up in P3 Mode, this flag defaults to 0.



RS-232C Channels



Address 237 Address 236 Address 236
 (Options A-D) (Options A-D) (Options E-H)

Recommended Settings: PC/Modem = 2345 Direct Receipt = 2355 Scale = 3615 Shared Printer = 2385
 Direct Slip = 2375 Direct Journal = 2365 Coin Dispenser = 3625



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<p>237: RS-232C Channel 1</p> <p>A Stop Bits / Parity 0=Odd Parity4= 5 Bits 1=Even Parity6= 2 Bits 2=1 Bit</p> <p>B Character Length / Parity 0=5 Bits3= 8 Bits 1=6 Bits4= Enable Parity 2=7 Bits</p> <p>C Device Selection Values cannot be added. 1=Scale 2=Coin Dispenser 4=PC/Modem w/IDACK 5=Direct Receipt 6=Direct Journal 7=Direct Slip Printer 8=Shared Printer</p> <p>D BAUD Rate 0=300 BPS 1=600 BPS 2=1200 BPS 3=2400 BPS 4=4800 BPS 5=9600 BPS</p> <p>EEnter the Wait Time for Direct Printers. (1-6 = 10 to 60 seconds. 7-9= Wait until ready. 0 = 10 seconds.)</p> <p>F2=TM-267 Printer spacing. 4=RP265 and TM300 Printer spacing. 6=JS-800TP Printer spacing.</p> <p>G-HNot Used - Enter 00.</p>	<p>237 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>238: RS-232C PC Control Timer</p> <p>A-BRetry Times. (Default = 05) C-DWait Time for Control Character. (Default=30) E-FWait Time for TEXT. (Default = 99) G-HWait Time for ID ENQ. (Default = 30)</p>	<p>238 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA Default = 0530-9930</p>

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<p>239: ArcNet #</p> <p>A-DNot used - enter 0000.</p> <p>E-FEnter the ArcNet number (1-20) of this workstation. You must set this number to enable System-wide Reports and other in-line communications.</p> <p>G-HNot Used - enter 00.</p>	<p style="text-align: center;">0 0 0 0 0 0</p> <p>239 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p> <p>Default = 0000-0100</p>
<p>240: DCR Report</p> <p>A-CNot Used - enter 000.</p> <p>D1=Enable Deposits in X1 Mode. This enables deposit and over/short print on the System Master Media Report.</p> <p>2=Enable Deposit entries at System Close.</p> <p><i>Note:If Flag 306 enables deposits at the Manager Workstation PC, Option D entries are ignored and deposits are not allowed at the System Master workstation.</i></p> <p>E1=Enable the Food Cost Report.</p> <p>FNot Used - enter 0.</p> <p>GNot Used - enter 0.</p> <p>HEnter the number of DCR Report copies you want to print at System Close. (1= 1 copy, 2= 2 copies, etc.)</p>	<p style="text-align: center;">0 0 0 0 0</p> <p>240 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p>
<p>241: MGR Mode Access</p> <p>Enter '0' if access is unrestricted. Enter '1' to require a MGR1-level manager or enter '2' to require a MGR2-level manager.</p> <p>A-CNot Used = Enter 000.</p> <p>DEnter the level (0-2) for P1 Mode access.</p> <p>EEnter the level (0-2) for TR Mode access.</p> <p>FEnter the level (0-2) for PTD Mode access.</p> <p>GEnter the level (0-2) for Z1 Mode access.</p> <p>HEnter the level (0-2) for X1 Mode access.</p>	<p style="text-align: center;">0 0 0</p> <p>241 CSHR <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> CA</p>

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<p>242: P1 Program Access</p> <p>A-BNot Used - Enter 00. C1=P56 requires MGR 2 level access. 2=P60 requires MGR 2 level access. D1=P53 requires MGR 2 level access. 2=P54 requires MGR 2 level access. 4=P55 requires MGR 2 level access. E1=P36 requires MGR 2 level access. 2=P37 requires MGR 2 level access. 4=P39 requires MGR 2 level access. F1=P33 requires MGR 2 level access. 2=P34 requires MGR 2 level access. 4=P35 requires MGR 2 level access. G1=P28 requires MGR 2 level access. 2=P31 requires MGR 2 level access. 4=P32 requires MGR 2 level access. H1=P24 requires MGR 2 level access. 2=P26 requires MGR 2 level access. 4=P27 requires MGR 2 level access.</p>	<p style="text-align: center;">0 0</p> <p>242 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>243: X1 Program Access</p> <p>Enter '0' if access is unrestricted. Enter '1' if to require a MGR1-level manager or enter '2' to require a MGR2-level manager.</p> <p>A-BNot Used - Enter 00. CEnter the level for X1 Starting GCK # Program. DEnter the level for X1 Server Disable Program. EEnter the level for X1 Drawer Assignment Program. FEnter the level for X1 Remote Steering Program. GEnter the level for X1 Starting Order # Program. HEnter the level for X1 Mode PLU Shift Program.</p>	<p style="text-align: center;">0 0</p> <p>243 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>244:</p> <p>Not Used - Enter 00000000.</p>	<p style="text-align: center;">0 0 0 0 0 0 0 0</p> <p>244 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>245: Remote Printer Steering Enter the ArcNet ID number for the Printer to which each Steer Flag is directed. A-B Enter the Printer# for Steer Flag #4 items. C-D Enter the Printer# for Steer Flag #3 items. E-F Enter the Printer# for Steer Flag #2 items. G-H Enter the Printer# for Steer Flag #1 items.</p> <p><i>Use the following values for this flag:</i> 00 = No Printer 1-20 = Shared Printer Number 81-88 = Remote Printer Number</p>	<p>245 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>246: Shared Printer/Remote Printer</p> <p>Options B-D identify the type of printer (Remote or Shared) used for back-up destinations. Use Flag 249 to specify the numbers of the back-up printers.</p> <p>A Not Used - Enter 0. B1=A Shared Printer acts as the back-up for Printer #7. [If not set, a Remote Printer acts as the back-up.] 2=A Shared Printer acts as the back-up for Printer #8. [If not set, a Remote Printer acts as the back-up.] C1=A Shared Printer acts as the back-up for Printer #4. [If not set, a Remote Printer acts as the back-up.] 2=A Shared Printer acts as the back-up for Printer #5. [If not set, a Remote Printer acts as the back-up.] 4=A Shared Printer acts as the back-up for Printer #6. [If not set, a Remote Printer acts as the back-up.] D1=A Shared Printer acts as the back-up for Printer #1. [If not set, a Remote Printer acts as the back-up.] 2=A Shared Printer acts as the back-up for Printer #2. [If not set, a Remote Printer acts as the back-up.] 4=A Shared Printer acts as the back-up for Printer #3. [If not set, a Remote Printer acts as the back-up.] E-F Enter the Printer# for R/P Steer Flag #5. Use the ARCNET ID numbers listed in Flag 245. G-H Enter the Printer# for R/P Steer Flag #6.</p> <p><i>Use the following values for Options E-H:</i> 00 = No Printer 1-20 = Shared Printer Number 81-88 = Remote Printer Number</p>	<p>0 246 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>247: Printer Options</p> <p>A-B Enter the release time (in seconds) in which the system stops communication to the Shared Printer. Your entry is multiplied by 10ms.</p> <p>C Not Used - Enter 0.</p> <p>D1=Disable Internal Receipt print.</p> <p>2=Disable Internal Journal print.</p> <p>E-F Enter the number of the Printer used for System Receipt print.</p> <p>G-H Enter the number of the Printer that acts as the System Journal.</p> <p><i>Use the following values for E-H:</i> 00 = No Printer 1-20 = Shared Printer Number 81-88 = Remote Printer Number</p>	<p style="text-align: center;">0</p> <p>247 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p> <p>Default= 3000 0000</p>
<p>248: System Printer Control</p> <p>A-C Not Used. Enter 000.</p> <p>D For a Shared Printer, enter a value (1-6) for the data transfer wait timer. (Your entry is multiplied by 10 seconds.)</p> <p>E-F Enter the System Printer # used for Reports.</p> <p>G-H Enter the System Printer # used for Charge 1.</p> <p><i>Use the following values for E-H:</i> 00 = No Printer 1-20 = Shared Printer Number 81-88 = Remote Printer Number</p>	<p style="text-align: center;">0 0 0</p> <p>248 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>
<p>249: Remote Device Back-up</p> <p>Enter 1-8 if a Remote Printer or Shared Printer acts as the back-up. (Also use Flag 246 to identify the type of printer acting as back-up.) Enter 9 for an internal printer back-up.</p> <p>A Enter the Back-up # for Remote/Shared Printer #8.</p> <p>B Enter the Back-up # for Remote/Shared Printer #7.</p> <p>C Enter the Back-up # for Remote/Shared Printer #6.</p> <p>D Enter the Back-up # for Remote/Shared Printer #5.</p> <p>E Enter the Back-up # for Remote/Shared Printer #4.</p> <p>F Enter the Back-up # for Remote/Shared Printer #3.</p> <p>G Enter the Back-up # for Remote/Shared Printer #2 and KVS #2.</p> <p>H Enter the Back-up # for Remote/Shared Printer #1 and KVS #1.</p>	<p>249 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>

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<p>250: Overtime Calculation</p> <p>A-D Enter the number of hours (0-99.99) after which weekly overtime begins. For example, if overtime begins after a 40-hour week, enter 4000.</p> <p>E-H Enter the number of hours (xx.xx) after which daily overtime begins. For example, if overtime begins after an 8-hour day, enter 0800.</p>	<p>250 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>
<p>251: Overtime Factor, T/A Controls</p> <p>A1=Require Slip for Clock-In. 2=Require Slip for Clock-Out and Break. B Not Used - Enter 0. C1=Require MGR for job code change at clock-in. D Enter the day of the week when weekly (Z2) timekeeping totals are automatically reset [1= Monday, 2= Tuesday, 3= Wednesday, 4= Thursday... 7= Sunday. 0= Not used or manually reset.] E1=Enable Paid Breaks. 2=List Active Employees at System Close. 4=Reset Daily Timekeeping totals at System Open. F-H Enter factor (0-9.99) for Overtime pay. For example, if overtime hours are paid time and a half, enter 150.</p>	<p>251 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>
<p>252:</p> <p>A1=Allow Clock In/Out/Break by card swipe. B-G Not Used. H Enter the number of digits required for Phone Order (key code 64) and Car # (key code 72) keys. If used, Flag 220H must include option 2.</p> <p><i>Example: Enter 6 to require a 7-digit number.</i></p>	<p>252 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>
<p>253:</p> <p>Not Used - Enter 00000000.</p>	<p>253 CSHR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> CA</p>

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<p>254: Server Close</p> <p>A-D=Enter the percentage for "Estimated Tips" (0-99.99%). For example, if you use an 8% calculation, enter 0800.</p> <p>E1=Display the difference between the "Est. Tip" and the tips declared.</p> <p>2=Require Tip Declaration.</p> <p>4=Enable Tip Declaration. [If not set, the Tip Declaration screen does not display.]</p> <p>F1=Disable Server # after Server Close.</p> <p>G-H=Not Used - Enter 00.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <pre> ***TIP DECLARE*** N (SERVER#) CASH EST.TIP 75.00 TIP 15.00 CHARGE TIP 55.00 TOTAL TIP 70.00 5.00 </pre> </div> <p style="text-align: center;">Est. Tip is based on the rate set in Option A-D.</p> <p style="text-align: center;">The difference between the Est. Tip and declared tip (here \$5.00) is shown if Option E=1.</p>	<p style="text-align: right;">0 0</p> <p>254 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>255: LCD Display Control</p> <p>A-F=Not Used.</p> <p>G1=Reverse the LCD Background. [0= Blue background.]</p> <p>2=Turn off Backlighting.</p> <p>H=Enter the Default Brightness Setting (0-7).</p>	<p style="text-align: right;">0 0 0 0 0 0</p> <p>255 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>256: GCK Starting Number</p> <p>A-B:Not Used - Enter 00.</p> <p>C-H=Enter the starting Guest Check Number (0 - 999999).</p>	<p style="text-align: right;">0 0</p> <p>256 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

257 - 259: Not Used.	<p>0 0 0 0 0 0 0 0 257 CSHR ┌───┴───┐ CA</p> <p>0 0 0 0 0 0 0 0 258 CSHR ┌───┴───┐ CA</p> <p>0 0 0 0 0 0 0 0 259 CSHR ┌───┴───┐ CA</p>
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<p>260: KVS Configuration</p> <p>A-BNot Used. C-D1=Enable communications to Color KVS ID#1. E-FNot Used. G-H 01=Enable communications to Monochrome KVS ID#1 only. 21=Enable communications to Monochrome KVS ID#1 and ID#2.</p>	<p style="text-align: center;">0 0 0 0</p> <p>260 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>261: Monochrome KVS Steering</p> <p><i>Use the following values for this flag:</i> 1= KVS #1, CRT 1 4= KVS #2, CRT 1 2= KVS #1, CRT 2 5= KVS #2, CRT 2 3= KVS #1, CRT 3 6= KVS #2, CRT 3</p> <p>A-BNot Used - Enter 00. CEnter the KVS # for Steer Flag 6 items. DEnter the KVS # for Steer Flag 5 items. EEnter the KVS # for Steer Flag 4 items. FEnter the KVS # for Steer Flag 3 items. GEnter the KVS # for Steer Flag 2 items. HEnter the KVS # for Steer Flag 1 items.</p>	<p style="text-align: center;">0 0</p> <p>261 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>262- 266</p> <p>Not Used - Enter 000000.</p>	
<p>267: KVS Control Timer 1</p> <p>A-DSet a time (0-99:59) when RCRT timers should blink. E-HSet a time (0-99:59) when Park/Serve timers should blink.</p>	<p>267 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>268: KVS Control Timer 2</p> <p>A-DSet the time interval (0-99.59) for items in the KPS Standard Menu zones. E-HSet a time limit for the Auto-Serve Timer (0-99.59).</p>	<p style="text-align: center;">0 0 0 0 0 0 0 0</p> <p>268 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>269: Speed of Service Timers</p> <p>A-DEnter the upper limit (0-9999 seconds) for Efficiency Level 1. Orders completed within this time limit update the first Service Time Report level. E-HEnter the upper limit (0-9999 seconds) for Efficiency Level 2. Orders completed after Level 1 and within the limit here update the second Service Time Report level.</p>	<p>269 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>270: Speed of Service Timers</p> <p>A-D Enter the number of seconds (0-9999) for the Speed of Service Exclusion. Orders with prep times exceeding this limit are not included in Service Time reports. [0= all prep times update the report.]</p> <p>E-H Enter the upper limit (0-9999 seconds) for Efficiency Level 3. Orders completed after the Level 2 limit and within this limit update the third Service Time Report level.</p>	<p>270 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>271: Split Screen Control</p> <p>A4=Enable Additional Order Display on KVS. With this option, changes (new items and voids) to an open check appear on the KVS as a "Change Order." The entire updated order, including items registered for the original New Check transaction, relays to the KVS.</p> <p>B Not Used.</p> <p>C1=Enable Combined Steering. [If not set, Independent Steering is enabled.] See the Remote Steering explanation for details about the steering methods.</p> <p>D1=Enable item-by-item transfer to KVS. [If not set, items transfer at finalize/payment.]</p> <p>2=Transfer to KVS at Subtotal, In, Out, Wait, etc.</p> <p>E-F Not Used.</p> <p>G1=Send Destination 4 items to the upper half of the KVS Split Screen. [If not set, send to lower half.]</p> <p>2=Send Dest. 5 items to the upper half of the Split Screen.</p> <p>4=Send Dest. 6 items to the upper half of the Split Screen.</p> <p>H1=Send Eat-In items to the upper half of the Split Screen.</p> <p>2=Send Take-Out items to the upper half of the Split Screen.</p> <p>4=Send Drive-Thru to the upper half of the Split Screen.</p>	<p>271 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>272-274</p> <p>Not Used.</p>	
<p>275 Color KVS Steering</p> <p>For A-H, enter 1-6 (for Color KVS #1, CRT 1-6).</p> <p>A-B Enter the Color KVS # for Steer Flag 6 items.</p> <p>C-D Enter the Color KVS # for Steer Flag 5 items.</p> <p>E-F Enter the Color KVS # for Steer Flag 4 items.</p> <p>G-H Enter the Color KVS # for Steer Flag 3 items.</p>	<p>275 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>276-280</p> <p>Not Used.</p>	
<p>281: Currency Exchange 1 (key code 321) 282: Currency Exchange 2 (key code 322) 283: Currency Exchange 3 (key code 323) 284: Currency Exchange 4 (key code 324) 285: Currency Exchange 5 (key code 325)</p> <p>A1=Divide the transaction total by the rate in Options B-H. [If not set, the total is multiplied by the rate.] B-H:Enter the seven digit (3-digit integer, 4-digit decimal) rate. For example, if \$1.00 = 132.28 Yen, enter 01322800.</p>	<p>281 CSHR CA 282 CSHR CA 283 CSHR CA 284 CSHR CA 285 CSHR CA</p>
<p>286: Currency Exchange 6 (key code 326) 287: Currency Exchange 7 (key code 327) 288: Currency Exchange 8 (key code 328) 289: Currency Exchange 9 (key code 329) 290: Currency Exchange 10 (key code 330)</p> <p>A1=Divide the transaction total by the rate in Options B-H. [If not set, the total is multiplied by the rate.] B-H:Enter the seven digit (3-digit integer, 4-digit decimal) rate.</p>	<p>286 CSHR CA 287 CSHR CA 288 CSHR CA 289 CSHR CA 290 CSHR CA</p>
<p>291: Currency Exchange 11 (key code 331) 292: Currency Exchange 12 (key code 332) 293: Currency Exchange 13 (key code 333) 294: Currency Exchange 14 (key code 334) 295: Currency Exchange 15 (key code 335)</p> <p>A1=Divide the transaction total by the rate in Options B-H. [If not set, the total is multiplied by the rate.] B-H:Enter the seven digit (3-digit integer, 4-digit decimal) rate.</p>	<p>291 CSHR CA 292 CSHR CA 293 CSHR CA 294 CSHR CA 295 CSHR CA</p>

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<p>296: E.J. Control 1</p> <p>A-B=Enter the maximum number of orders (0-99) for the Paid Order Recall Function. (Default = 16)</p> <p>C1=Accumulate EJ data to the System Master at System Close.</p> <p>2=Reset EJ data in the System Master at System Open.</p> <p>D1=Eliminate data on a First-in/First-Out basis when the EJ buffer is full. New data replaces the old data. [If not set, the buffer stops storing data when full.]</p> <p>2=Display the EJ Full message when the buffer is full.</p> <p>4=Stop workstation operations and display the EJ Full message when the buffer is full. (This option is not available with First-in/First-out storage.)</p> <p>E=Not Used.</p> <p>F1=Store P1/P2 memo key sequences.</p> <p>G1=Store only X/Z report memo only.</p> <p>2=Store transaction data format</p> <p>H0=Store no Sales Transaction data.</p> <p>1=Store all data from Journal tape.</p> <p>2=Store all data, even zero transactions.</p> <p>3=Store only negative price items.</p> <p>4=Store all credit card transactions.</p>	<p>296 CSHR CA</p>
<p>297: EJ/Polling Buffer</p> <p>A1=Store Z3 Labor hours by job code.</p> <p>B1=Store Z2 Labor hours by employee.</p> <p>2=Store Z2 Labor hours by employee.</p> <p>4=Store Z3 Labor hours by employee.</p> <p>C1=Store Time Clock Buffer data.</p> <p>2=Store Z1 Labor hours by employee.</p> <p>4=Store Z1 Labor hours by job code.</p> <p>D-G=Not Used.</p> <p>H0=Stop storing additional data at Poll Buffer full condition.</p> <p>1=Enable First-in/First-out storage when the Polling Buffer is full. [If not set, new data is not stored when the buffer fills.]</p> <p>2=Display the "Poll Buffer Full" message.</p>	<p>0 0 0 0</p> <p>297 CSHR CA</p>

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<p>298 EJ Control</p> <p>A-BNot Used. Enter 00. C1 = Store Z1 GCK Reports. D1 = Store Z1 Subgroup Report. 2 = Store Z1 Major Group Report. 4 = Store Z1 Summary Group Report. E1 = Store Z1 Station Report. 2 = Store Z1 Inventory Report. 4 = Store Z1 Product Projection Report. F1 = Store Z1 Server Report. 2 = Store Z1 Coupon Report. 4 = Store Z1 Product Mix Report. G1 = Store Z1 Profit Report. 2 = Store Z1 PLU Report. 4 = Store Z1 Cashier Report. H1 = Store Z1 Media Report. 2 = Store Z1 the Time Report. 4 = Store Z1 the Destination Report.</p>	<p style="text-align: center;">0 0</p> <p>298 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>299 EJ Report Selection</p> <p>A-CNot Used. Enter 000. D1 = Store the Z2 Subgroup Report. 2 = Store the Z2 Major Group Report. 4 = Store the Z2 Summary Report. E2 = Store the Z2 Inventory Report. F1 = Store the Z2 Server Report. 2 = Store the Z2 Coupon Report. 4 = Store the Z2 Product Mix Report. G1 = Store the Z2 Profit Report. 2 = Store the Z2 PLU Report. 4 = Store the Z2 Cashier Report. H1 = Store the Z2 Media Report. 2 = Store the Z2 Time Report. 4 = Store the Z2 Destination Report.</p>	<p style="text-align: center;">0 0 0</p> <p>299 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>300 PC Destination</p> <p>A-ENot Used - Enter 00000. FIndicate which PC is destination #3 (PC#1=1;#2=2, etc.) GIndicate which PC is destination #2. HIndicate which PC is destination #1.</p>	<p style="text-align: center;">0 0 0 0 0</p> <p>300 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>301EJ Control</p> <p>A-DNot Used - Enter 0000.</p> <p>EEnter the number (x 5secs) to wait before retrying to transfer data (PC OFF LINE).</p> <p>FEnter the number (x 1 sec) to wait before retrying to transfer data (PC ONLINE, but busy).</p> <p>G1=Transfer data after each transaction is finalized.</p> <p>2-9=Enter the number seconds to wait before attempting to transfer data after finalizing a sale. (Your entry is multiplied by 10 seconds.)</p> <p>HEnter the number of the PC destination used for EJ control. (Also make sure the destination is defined in Flag 300.)</p>	<p style="text-align: center;">0 0 0 0</p> <p>301 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>302 Polling Timer</p> <p>A-BNot Used - Enter 00.</p> <p>C-DDelay Timer (25)</p> <p>E-FNot Used - Enter 00.</p> <p>G1=Include "VER" and IDACK0 text.</p> <p>2=Eliminate NULL data on reports.</p> <p>HEnter the number of the PC destination (1=PC #1, 2=PC #2, etc.) used for Polling. (Also make sure the destination is defined in Flag 300.)</p>	<p style="text-align: center;">0 0 0 0</p> <p>302 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>303-305</p> <p>Not Used - Enter 00000000.</p>	

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<p>306 Manager Workstation Controls</p> <p>A-FNot Used. G1=Enable R/A and P/O entries at the Manager Workstation (PC). If set, these entries are not allowed at the workstation. H1=Enable Time Edits at the Manager Workstation (PC). If set, edits are not allowed at the workstation. 2=Enable Inventory entries at the Manager Workstation (PC). If set, inventory entries are not allowed at the workstation. 4=Enable Deposit entries at the Manager Workstation (PC). If set, deposits are not allowed at the workstation, regardless of the Flag 240 definitions.</p>	<p style="text-align: center;">0 0 0 0 0 0</p> <p>306 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>307-309</p> <p>Not Used - Enter 00000000.</p>	
<p>310 Price Level Control</p> <p>A-FNot Used. GEnter the default Price Level. (0 is treated as Level 1) H0=Display Keyboard Level on workstation. 1=Enable Staydown for Price Level Shifts. The level remains active until the end of the transaction. [If not set, the level resets after one item.] 2=Display the Keyboard Level (instead of the day of the week). 4=Do not allow Price Level Shift by shift key.</p>	<p style="text-align: center;">0 0 0 0 0 0</p> <p>310 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>311 Price Time Range 1/2</p> <p>AEnter the Price Level for Price Time Range 1. B1=Activate Price Time Range 1 on Saturday C1=Activate Price Time Range 1 on Wednesday. 2=Activate Price Time Range 1 on Thursday 4=Activate Price Time Range 1 on Friday. D1=Activate Price Time Range 1 on Sunday. 2=Activate Price Time Range 1 on Monday. 4=Activate Price Time Range 1 on Tuesday. EEnter the Price Level for Price Time Range 2. F1=Activate Price Time Range 2 on Saturday G1=Activate Price Time Range 2 on Wednesday. 2=Activate Price Time Range 2 on Thursday 4=Activate Price Time Range 2 on Friday. H1=Activate Price Time Range 2 on Sunday. 2=Activate Price Time Range 2 on Monday. 4=Activate Price Time Range 2 on Tuesday.</p>	<p>311 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>

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<p>312Price Time Range 3/4 See Flag 311.</p>	<p>312 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>313Price Time Range 5/6 See Flag 311.</p>	<p>313 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>314Price Time Range 7/8 See Flag 311.</p>	<p>314 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>315Price Time Range 1 A-DEnter the Start time for Price Time Range 1 (0000-2359). E-HEnter the End time for Price Time Range 1 (0000-2359).</p>	<p>315 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>316Price Time Range 2 A-DEnter the Start time for Price Time Range 2 (0000-2359). E-HEnter the End time for Price Time Range 2 (0000-2359).</p>	<p>316 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>317Price Time Range 3 A-DEnter the Start time for Price Time Range 3 (0000-2359). E-HEnter the End time for Price Time Range 3 (0000-2359).</p>	<p>317 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>318Price Time Range 4 A-DEnter the Start time for Price Time Range 4 (0000-2359). E-HEnter the End time for Price Time Range 4 (0000-2359).</p>	<p>318 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>319Price Time Range 5 A-DEnter the Start time for Price Time Range 5 (0000-2359). E-HEnter the End time for Price Time Range 5 (0000-2359).</p>	<p>319 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>320Price Time Range 6 A-DEnter the Start time for Price Time Range 6 (0000-2359). E-HEnter the End time for Price Time Range 6 (0000-2359).</p>	<p>320 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>321Price Time Range 7 A-DEnter the Start time for Price Time Range 7 (0000-2359). E-HEnter the End time for Price Time Range 7 (0000-2359).</p>	<p>321 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA</p>
<p>322Price Time Range 8 A-DEnter the Start time for Price Time Range 8 (0000-2359).</p>	

E-HEnter the End time for Price Time Range 8 (0000-2359).	322 CSHR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CA
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P24 Tandem & Macro Commands

Tandem and macro commands record operating sequences, so they can be played back with a single keystroke. You can use these commands for custom report strings, special meals, and programming sequences. Once recorded, cashiers and managers start the recorded command by pressing a preset macro key or by entering a macro number on the Macro # key.

Note: You can also instruct the workstation to run a macro at a certain day and time. If you want to use this function, see the Time-Activated Macro procedure after you record the macro.

You can use any of the following codes to set up your macro and tandem commands. You can also use the key codes listed in the Key Code Charts earlier in this manual.

Macro Codes

Key	Macro Code	Key	Macro Code
	Stop Code 100		MGR Mode Set 902
	Macro 0 600		P2 Mode Set 903
	Macro 1 601		REG Mode Set 904
	: :		
	Macro 199 799		MGR Compulsion Check 906
			MGR 2 Compulsion Check 907
			MGR 1 Compulsion Check 908
	Shift 00 890		Receipt Stop 909
	Shift 10 891		
	Shift 20 892		MGR Mode check 912
	Shift 30 893		P2 Mode check 913
	Shift 40 894		REG Mode check 914
	Shift 50 895		
	Shift 60 896		Pause 0 930
	Shift 70 897		Pause 1 (with message) 931
	Shift 80 898		Pause 2 (with message) 932
	Shift 90 899		Pause 3 (with message) 933
			Pause 4 (with message) 934
	MGR & Mode Clear900		Pause 5 (with message) 935

Before you begin programming,

1. Test the key sequence you plan to record.
2. List the keystrokes on the worksheet.
3. Translate each keystroke into codes from the Key Code Charts and from the Macro Code Chart.

If your key sequence exceeds 15 codes, you can chain one macro to another. If you use fewer than 15 lines, you must use a stop code (100) at the end of your macro or tandem.

Macro Report Example

A Macro created to reset the Media Report and PLUs 1 to 100 requires the following keystrokes:

2, CASH, 1, CASH, 8, CASH, 1, PLU, 1, 0, 0, PLU, CASH, CASH

For this command, could complete the worksheet in the following way.

```

676 SBTL (Macro #76)

  1 CSHR      2 CASH  2
  2 CSHR  5  0 CASH  Cash  (Z Report Menu)
  1 CSHR      1 CASH  1
  2 CSHR  5  0 CASH  Cash  (Media Report)
  3 CSHR      8 CASH  8
  4 CSHR  5  0 CASH  Cash  (PLU Report)
  5 CSHR      1 CASH  1
  6 CSHR  9  7 CASH  PLU   (PLU #1)
  7 CSHR      1 CASH  1
  8 CSHR      0 CASH  0
  9 CSHR      0 CASH  0
 10 CSHR  9  7 CASH  PLU   (PLU #100)
 11 CSHR  5  0 CASH  Cash  Exit to Z1 Report Menu
 12 CSHR  5  0 CASH  Cash  Exit to MGR Mode Menu
 13 CSHR 10  0 CASH  Stop Code

```

After you program the command, you can press a preset Macro #76 key or by the macro code number on the MACRO # key.

Pausing within a Macro

To build a macro that pauses for a variable keystroke, include a Pause Code (930-935). These codes temporarily stop the macro for your input. As soon as you enter the variable, the macro or tandem continues. You can use more than one pause code within a macro, if necessary.

Six pause codes are available. Five of the six include a programmable message, which can prompt the required entry. The macro pauses for a single keystroke. As soon as the required key is pressed, the macro continues. When programming the macro, insert the pause code at the point where you want to interrupt the command.

Key	Macro Code	30 Default Message
Pause 0	930	(message not available)
Pause 1	931	#165 Select Next Key1
Pause 2	932	#166 Select Next Key2
Pause 3	933	#167 Select Next Key3
Pause 4	934	#168 Select Next Key4
Pause 5	935	#169 Select Next Key5

If the restaurant offers a special meal package, for example, you can program a macro to pause for a beverage or dessert choice. An example of a macro for a special meal could use the following key sequence.

HAMB, FRIES, SMALL, (pause for beverage), COUPON 1, HAMB

To set up a macro that registers this sequence, you can use the following entries.

```
601 SBTL    (Macro #1)

 1 CSHR      1  CASH    1
 2 CSHR      9  7  CASH    PLU    (PLU #1 - Hamburger)
 3 CSHR      1  CASH    1
 4 CSHR      0  CASH    0    (PLU #10 - Fries)
 5 CSHR      9  7  CASH    PLU
 6 CSHR      8  7  CASH    Small  (Shift 1)
 7 CSHR      9  3  1  CASH    Pause 1 (message 165: "select beverage")
 8 CSHR      1  7  CASH    Coupon 1
 9 CSHR      0  1  CASH    1
10 CSHR      9  7  CASH    PLU    (PLU #1 - Hamburger)
11 CSHR      1  0  0  CASH    Stop Code
```

When it reaches the pause code, the macro stops to allow a beverage entry, and the "Select

Beverage" message displays. When you press a key, the macro continues.

Switching Modes within a Macro

In some instances, you must change the mode within the macro. Check the Macro Code Chart for "mode set" options you can use to change from one mode to another.

You may, for example, want a macro that lets a cashier take an Hourly (Time) Report, without a MGR key. You can program a macro to go from REG Mode to MGR Mode. This macro could be programmed in the following manner.

```
610 SBTL      (Macro #10)

  1 CSHR 9  0  2 CASH  MGR Mode Set
  2 CSHR      1 CASH
  3 CSHR  5  0 CASH  X (& PRGM)
  4 CSHR      2 CASH
  5 CSHR  5  0 CASH  Terminal Report
  6 CSHR      2 CASH
  7 CSHR  5  0 CASH  Time Report Menu
  8 CSHR      1 CASH
  9 CSHR      1 CASH
10 CSHR  5  0 CASH  Flash Time Report
11 CSHR  5  0 CASH  Exit X1 Reports
12 CSHR  5  0 CASH  Exit X1 Mode
13 CSHR 9  0  4 CASH  Return to REG Mode
14 CSHR 1  0  0 CASH  Stop Code
```

Macro Checks

If you do not want the macro to automatically change the keylock mode, you can include a "mode check" instruction. Mode Checks assure that you turn the keylock to the correct position. If you attempt the macro from the wrong position, a *70* Mode Error message appears and the command is terminated.

If you are programming a command that requires a manager, you can include a MGR 1 or 2 Compulsion Check instruction. This requires a MGR 1 or 2 level number be logged for the macro. If a manager number is not entered, "Call Manager" appears and the command is terminated.

If your macro switches modes, you can include a MGR & Mode Clear code. Then, if you terminate the macro, the system logs off any managers and goes to the screen for the current keylock position. This code must be entered in the first address of the macro, and if you link to another macro, it must appear in each segment of the macro.

Important: The MGR & Mode Clear instruction performs a status clear. It should only be used for macros initiated outside or at the beginning of a transaction.

P24 Macro/Tandem Worksheet

(P2 Mode) Beginning Sequence: 24 CASH

Macro # _____			Macro # _____		
_ _ _ SBTL (Macro Address)			_ _ _ SBTL (Macro Address)		
ADD	Code	Comment	ADD	Code	Comment
1	CSHR	_ _ _ CA _____	1	CSHR	_ _ _ CA _____
2	CSHR	_ _ _ CA _____	2	CSHR	_ _ _ CA _____
3	CSHR	_ _ _ CA _____	3	CSHR	_ _ _ CA _____
4	CSHR	_ _ _ CA _____	4	CSHR	_ _ _ CA _____
5	CSHR	_ _ _ CA _____	5	CSHR	_ _ _ CA _____
6	CSHR	_ _ _ CA _____	6	CSHR	_ _ _ CA _____
7	CSHR	_ _ _ CA _____	7	CSHR	_ _ _ CA _____
8	CSHR	_ _ _ CA _____	8	CSHR	_ _ _ CA _____
9	CSHR	_ _ _ CA _____	9	CSHR	_ _ _ CA _____
10	CSHR	_ _ _ CA _____	10	CSHR	_ _ _ CA _____
11	CSHR	_ _ _ CA _____	11	CSHR	_ _ _ CA _____
12	CSHR	_ _ _ CA _____	12	CSHR	_ _ _ CA _____
13	CSHR	_ _ _ CA _____	13	CSHR	_ _ _ CA _____
14	CSHR	_ _ _ CA _____	14	CSHR	_ _ _ CA _____
15	CSHR	_ _ _ CA _____	15	CSHR	_ _ _ CA _____

Macro # _____			Macro # _____		
_ _ _ SBTL (Macro Address)			_ _ _ SBTL (Macro Address)		
ADD	Code	Comment	ADD	Code	Comment
1	CSHR	_ _ _ CA _____	1	CSHR	_ _ _ CA _____
2	CSHR	_ _ _ CA _____	2	CSHR	_ _ _ CA _____
3	CSHR	_ _ _ CA _____	3	CSHR	_ _ _ CA _____
4	CSHR	_ _ _ CA _____	4	CSHR	_ _ _ CA _____
5	CSHR	_ _ _ CA _____	5	CSHR	_ _ _ CA _____
6	CSHR	_ _ _ CA _____	6	CSHR	_ _ _ CA _____
7	CSHR	_ _ _ CA _____	7	CSHR	_ _ _ CA _____
8	CSHR	_ _ _ CA _____	8	CSHR	_ _ _ CA _____
9	CSHR	_ _ _ CA _____	9	CSHR	_ _ _ CA _____
10	CSHR	_ _ _ CA _____	10	CSHR	_ _ _ CA _____
11	CSHR	_ _ _ CA _____	11	CSHR	_ _ _ CA _____
12	CSHR	_ _ _ CA _____	12	CSHR	_ _ _ CA _____
13	CSHR	_ _ _ CA _____	13	CSHR	_ _ _ CA _____
14	CSHR	_ _ _ CA _____	14	CSHR	_ _ _ CA _____

15 CSHR

--	--	--	--	--

 CA _____ 15 CSHR

--	--	--	--	--

 CA _____

Enter the macro address (601-799) on the SBTL line, then arrange the 2-digit soft key codes and 3-digit macro codes on each of the following addresses.

P24 Time-Activated Macros

Certain operations take place at a specific time every day. For example, the restaurant probably switches to the lunch menu, and then to the dinner menu, at set times. For these operations, you can create a macro to run automatically at the needed day and time. You can even have one macro for weekdays and another for weekends.

First use Program 24, Addresses 601-799 (depending upon your Memory Allocation) to program all steps the macro performs. Then use Addresses 801-830 to enter the day and time definitions for the Time-Activated macros you use.

Note: The system cannot run a time-activated macro while the keylock is in the CLOSED position or while a cashier is in the middle of an order.

Worksheet Entries

Table #: Enter the address (801-830) for the Time-Activated Macro Table you are defining. (A fixed thirty tables are available.)

Macro #: Enter the number (601-799) of the macro performed by this table.

Day #: Replace A-C with values for days that use this automatic time activation.

A:1= Run this macro on Sunday.

B:1= Run this macro on Thursday.

2= Run this macro on Friday.

4= Run this macro on Saturday.

C:1= Run this macro on Monday.

2= Run this macro on Tuesday.

4= Run this macro on Wednesday.

Time: Enter the time (00:00 - 23:59) when you want the macro to run. Remember to use military time for afternoon or evening hours.

Comment: Use this line if you want to note the macro involved in this command.

Note: If you build two commands that run on the same day and at the same time, the system runs the lowest-numbered command first.

P24 Time-Activated Macro Worksheet

(P2 Mode) Beginning Sequence: 24 CASH

Table #	Macro #	Day #			Time	Comment
		A	B	C		
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
_____	CSHR _____	CA _____	CA _____	CA _____	_____	
(801-830)	(601-799)			(0000-2359)		

Day #: A: 1= Sunday B: 1= Thursday C: 1= Monday
 2= Friday 2= Tuesday
 4= Saturday 4= Wednesday

P25 System Descriptors

You can customize many of the descriptors displayed within the REG and MGR Mode screens. After a RAM Clear, the system loads default descriptions to simplify your programming. The defaults are referenced throughout the 5000 Series documentation. You can use the default descriptors or you can use this program to change the descriptors to match your restaurant terminology.

The Program 25 Worksheets list each of the programmable descriptors, along with the pre-defined default. Enter replacement descriptions for each address you want to change.

Addresses 100-199 give you access to system-generated headings and messages that appear on the operator screen and workstation or system printers. These addresses include the descriptors which are not associated with a report total, such as menu levels, guest check numbers, shift levels, exchange rates, date information, and remote printer station identification.

Addresses 200-299 provide access to displayed 4-character descriptors associated with a report total or count. These include the descriptors for the universal percent keys, exchange totals, P/O and R/A functions, taxes, service, and the charge keys.

Addresses 300-399 give you access to the 8-character descriptors associated with report totals and counts. These descriptors are the 8-character equivalents of the descriptors entered in the 200 series of addresses; however, these entries appear on the printed reports.

Addresses 401-440 let you assign descriptors for each of the Store & Forward total lines. In Program 52 (Store & Forward), there are forty lines of addresses you can use to enter numeric data. The descriptor you enter in Program 25, Address 401 corresponds to Program 52, Line 1. P25, Address 402 corresponds to P52, Line 2, etc.

Addresses 501-520 correspond to Job Codes 1 through 20. Enter descriptions applying to each of these job codes.

The 600 Series addresses hold the 4-character Currency Exchange Rate, Destination 4-6, and Price Level Shift descriptors.

700 Series Addresses 701-715 give you access to the 8-character Currency Exchange Rate, Destination 4-6, and Price Level Shift descriptors. These are the 8-character equivalents of descriptors you enter in the 600 addresses.

System Descriptors (P2 Mode) Beginning Sequence: 25 CASH

Address	Descriptor	New Description				Address	Descriptor	New Description			
100	Space					125	END				
101	JAN					126	@				
102	FEB					127	LB				
103	MAR					128	COMM				
104	APR					129	PROG				
105	MAY					130	ACCM				
106	JUN					131	SUMM				
107	JUL					132	KB1				
108	AUG					133	KB2				
109	SEP					134	KB3				
110	OCT					135	KB4				
111	NOV					136	KB5				
112	DEC					137	AVPR				
113	SBTL					138	AVIT				
114	CHNG					139	AVTL				
115	AMDU					140	CPN1				
116	PLU					141	CPN2				
117	TARE					142	CPN3				
118	CSHR					143	GCK#				
119	EMPL					144	PRSN				
120	TRIN					145	MIX#				
121	RP#0					146	DCTL				
122	TIME					147	CPN%				
123	TOTL					148	AVCP				
124	BEGN					149	SFT0				

Address	Descriptor	New Description				Add	Descriptor	New Description			
150	SFT1					175	FRI				
151	SFT2					176	SAT				
152	SFT3					177	SUN				
153	SFT4					178	CONT				
154	SFT5					179	SRVR				
155	SFT6					180	SF00				
156	SFT7					181	SF10				
157	SFT8					182	SF20				
158	SFT9					183	SF30				
159	HEAD					184	SF40				
160	SALE					185	SF50				
161	RP#1					186	SF60				
162	RP#2					187	SF70				
163	RP#3					188	SF80				
164	RP#4					189	SF90				
165	RP#5					190	TABL				
166	RP#6					191	CKPR				
167	CPN#					192					
168	RCP#					193					
169	ING#					194	LB\$				
170	STN#					195	EQIV				
171	MON					196	CLAS				
172	TUE					197	LVL4				
173	WED					198	LVL5				
174	THU					199	TARE				

Add	Descriptor	New Description				Add	Descriptor	New Description			
200						225	GSTL				
201	PLU					226	DRWR				
202	+SGR					227	CAID				
203	-SGR					228	CKID				
204	SGTL					229	CRTX				
205	TMTL					230	P/B				
206	TRGT					231	DLET				
207	PRGT					232	CKPD				
208	ITEM					233	TIP				
209	VOID					234	BAL				
210	VALL					235	SGTL				
211	%1					236	MIX				
212	%2					237	SRV1				
213	%3					238	SRV2				
214	R/A					239	CHG1				
215	P/O					240	CHG2				
216	CASH					241	CHG3				
217	CHCK					242	CHG4				
218	AUDC					243	CHG5				
219	NSTL					244	ERRC				
220	TXB1					245	#				
221	TXB2					246	NS				
222	TAX					247	NWCK				
223	TAX2					248	CHG6				
224	NTXB					249	CHG7				

Add	Descriptor	New Description				Add	Descriptor	New Description			
250	CHG8					275	+MGR				
251	CHG9					276	-MGR				
252	CH10					277	MGTL				
253	NRNT					278	+SMG				
254						279	-SMG				
255						280	TIP2				
256	CAOW					281	TXB3				
257	IN					282	TAX3				
258	OUT					283	SMTL				
259	DATE					284	R/A2				
260	GCRM					285	P/O2				
261	CPTR					286	CPNS				
262	%4					287	TXTL				
263	%5					288	PRCG				
264	NTAX					289	CA				
265	RTRN					290	FCST				
266	#GST					291	FD%				
267	T-IN					292	GRSS				
268	T-OT					293	TOTL				
269	DR-T					294	PRF1				
270	FREE					295	PRF2				
271	WAST					296	PRF3				
272	GIFT					297	PRF4				
273	G.C2					298	PRF5				
274	G.C3					299	TXB4				

Add	Descriptor	New Descriptor (8 Characters)	Add	Descriptor	New Description (8 Characters)
301	PLU's		330	PREV BAL	
302	+S-GRP		331	DELETE	
303	-S-GRP		332	CHKPAID	
304	SGRPTL		333	CHG TIP	
305	TIMETL		334	BALANCE	
306	TRAINING		335	SGRP TL	
307	GRANDTL		336	PROD MIX	
308	ITEMTL		337	SERVICE1	
309	VOID		338	SERVICE2	
310	VOIDALL		339	CHARGE1	
311	UNIV%1		340	CHARGE2	
312	UNIV%2		341	CHARGE3	
313	UNIV%3		342	CHARGE4	
314	R/A		343	CHARGE5	
315	P/O		344	ERR CORR	
316	CASHTD		345	#ENTRY	
317	CHECKTD		346	NO SALE	
318	AUDIT		347	NEW CHEK	
319	NETSALE		348	CHARGE6	
320	TAXABLE1		349	CHARGE7	
321	TAXABLE2		350	CHARGE8	
322	TAX		351	CHARGE9	
323	TAX2		352	CHARGE10	
324	NON-TXBL		353	NET TL	
325	GROSS SL		354		
326	DRAWER		355		
327	CASH DWR		356	CASH DUE	

328	CHEK DWR		357	EAT-IN	
329	CRED TAX		358	TAKE-OUT	

Add	Descriptor	New Descriptor (8 Characters)	Add	Descriptor	New Description (8 Characters)
359	DATE&TM		381		
360	GIFTRDM		382		
361	CPNTRANS		383		
362	UNIV%4		384		
363	UNIV%5		385		
364	NO TAX		386		
365	RETURN		387		
366	GUESTS		388		
367	TRNS IN		389		
368	TRNS OUT		390		
369	DR-THRU		391		
370	FREE ITM		392		
371	F WASTE		393		
372	GIFT CERT		394		
373	GIFT 2		395		
374	GIFT 3		396		
375	+ M-GRP		397		
376			398		
377			399		
378					
379					
380					

Address	Store & Forward #	Descriptor	Address	Job Code #	Descriptor
401	1		501	1	
402	2		502	2	
403	3		503	3	
404	4		504	4	
405	5		505	5	
406	6		506	6	
407	7		507	7	
408	8		508	8	
409	9		509	9	
410	10		510	10	
411	11		511	11	
412	12		512	12	
413	13		513	13	
414	14		514	14	
415	15		515	15	
416	16		516	16	
417	17		517	17	
418	18		518	18	
419	19		519	19	
420	20		520	20	
421	21				
422	22				
423	23				
424	24				
425	25				
426	26				
427	27				
428	28				
429	29				
430	30				
431	31				
432	32				
433	33				
434	34				
435	35				
436	36				
437	37				
438	38				
439	39				
440	40				

Address	Default	Descriptor	Address	Default	Descriptor
601	EXCH		701	EXCHANGE	
602	XCH2		702	EXCHANG2	
603	XCH3		703	EXCHANG3	
604	XCH4		704	EXCHANG4	
605	XCH5		705	EXCHANG5	
606	XCH6		706	EXCHANG6	
607	XCH7		707	EXCHANG7	
608	XCH8		708	EXCHANG8	
609	XCH9		709	EXCHANG9	
610	XC10		710	EXCHNG10	
611	XC11		711	EXCHNG11	
612	XC12		712	EXCHNG12	
613	XC13		713	EXCHNG13	
614	XC14		714	EXCHNG14	
615	XC15		715	EXCHNG15	
616			716		
617			717		
618			718		
619			719		
620			720		
621	DES4		721	DEST4	
622	DES5		722	DEST5	
623	DES6		723	DEST6	
624	LVL1		724	PRC LVL1	
625	LVL2		725	PRC LVL2	
626	LVL3		726	PRC LVL3	
627	LVL4		727	PRC LVL4	

P26 Time Ranges

The 5000 System has four sets of time ranges. The first is for the Sales (All Sales, Destination, and Profit Center) Reports. The second is for the Product (Product Mix, Projection, and Comparison) Reports. The third set is for the Automatic Report. And the final set is for the Service Time Reports.

Use the P26 Worksheets to define the beginning and ending time for each range you want to report. Use 100 series addresses for the Time Reports and 200 series addresses for the Product Reports. Use 300 series addresses for the Automatic Reports, and use the 400 series addresses for the Service Time Reports.

Entry

100 CSHR

1	1	0	0	1	2	0	0
---	---	---	---	---	---	---	---

 CA (tracks sales from 11:00 a.m. through 11:59 a.m.)

101 CSHR

1	2	0	0	1	3	0	0
---	---	---	---	---	---	---	---

 CA (tracks sales from 12:00 noon through 12:59 p.m.)
(Starting Time) (Ending Time)

Because the system tracks time in military time, you must convert p.m. hour entries. For example, 1:00 p.m. = 1300, ...11:00 p.m. = 2300, 12:00 (midnight) = 0000.

Your ranges can track time in varying increments. You may, for example, have a morning range that covers several hours, and lunch ranges of fifteen minutes or half-hourly intervals. You cannot overlap the time ranges. If, for instance, you have a 10:00 to 2:00 range, you cannot also have an 11:00 to 12:00 range. If you have duplicate ranges, sales report only to the range with the lowest address.

P26 Sales Report Time Range Worksheet

Beginning Sequence: 26 CASH

ADD	Range	Default	ADD	Range	Default
100 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:00-00:30)	124 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:00-12:30)
101 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:30-01:00)	125 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:30-13:00)
102 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:00-01:30)	126 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:00-13:30)
103 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:30-02:00)	127 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:30-14:00)
104 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:00-02:30)	128 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:00-14:30)
105 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:30-03:00)	129 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:30-15:00)
106 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:00-03:30)	130 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:00-15:30)
107 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:30-04:00)	131 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:30-16:00)
108 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:00-04:30)	132 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:00-16:30)
109 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:30-05:00)	133 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:30-17:00)
110 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:00-05:30)	134 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:00-17:30)
111 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:30-06:00)	135 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:30-18:00)
112 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:00-06:30)	136 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:00-18:30)
113 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:30-07:00)	137 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:30-19:00)
114 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:00-07:30)	138 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:00-19:30)
115 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:30-08:00)	139 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:30-20:00)
116 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:00-08:30)	140 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:00-20:30)
117 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:30-09:00)	141 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:30-21:00)
118 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:00-09:30)	142 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:00-21:30)
119 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:30-10:00)	143 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:30-22:00)

PROGRAMMING

Time Ranges

120 CSHR	_ _ _ _ _ _ _ _ _	CA	(10:00-10:30)	144 CSHR	_ _ _ _ _ _ _ _ _	CA	(22:00-22:30)
121 CSHR	_ _ _ _ _ _ _ _ _	CA	(10:30-11:00)	145 CSHR	_ _ _ _ _ _ _ _ _	CA	(22:30-23:00)
122 CSHR	_ _ _ _ _ _ _ _ _	CA	(11:00-11:30)	146 CSHR	_ _ _ _ _ _ _ _ _	CA	(23:00-23:30)
123 CSHR	_ _ _ _ _ _ _ _ _	CA	(11:30-12:00)	147 CSHR	_ _ _ _ _ _ _ _ _	CA	(23:30-00:00)

Use these addresses to define time ranges for the Destination, Profit Center, and All Sales Time Reports. Forty-eight ranges are available.

P26 Product Report Time Range Worksheet

Beginning Sequence: 26 CASH

ADD	Range	Default	ADD	Range	Default
200 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:00-00:30)	224 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:00-12:30)
201 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:30-01:00)	225 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:30-13:00)
202 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:00-01:30)	226 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:00-13:30)
203 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:30-02:00)	227 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:30-14:00)
204 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:00-02:30)	228 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:00-14:30)
205 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:30-03:00)	229 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:30-15:00)
206 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:00-03:30)	230 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:00-15:30)
207 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:30-04:00)	231 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:30-16:00)
208 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:00-04:30)	232 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:00-16:30)
209 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:30-05:00)	233 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:30-17:00)
210 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:00-05:30)	234 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:00-17:30)
211 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:30-06:00)	235 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:30-18:00)
212 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:00-06:30)	236 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:00-18:30)
213 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:30-07:00)	237 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:30-19:00)
214 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:00-07:30)	238 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:00-19:30)
215 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:30-08:00)	239 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:30-20:00)
216 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:00-08:30)	240 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:00-20:30)
217 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:30-09:00)	241 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:30-21:00)
218 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:00-09:30)	242 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:00-21:30)
219 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:30-10:00)	243 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:30-22:00)

PROGRAMMING

Time Ranges

220 CSHR	_ _ _ _ _ _ _ _ _	CA	(10:00-10:30)	244 CSHR	_ _ _ _ _ _ _ _ _	CA	(22:00-22:30)
221 CSHR	_ _ _ _ _ _ _ _ _	CA	(10:30-11:00)	245 CSHR	_ _ _ _ _ _ _ _ _	CA	(22:30-23:00)
222 CSHR	_ _ _ _ _ _ _ _ _	CA	(11:00-11:30)	246 CSHR	_ _ _ _ _ _ _ _ _	CA	(23:00-23:30)
223 CSHR	_ _ _ _ _ _ _ _ _	CA	(11:30-12:00)	247 CSHR	_ _ _ _ _ _ _ _ _	CA	(23:30-00:00)

Use these addresses for Product Mix, Projection, and Comparison Reports. The number of available addresses depends upon your Memory Allocation. The maximum is 48.

P26 Automatic Report Time Range Worksheet

Beginning Sequence: 26 CASH

ADD	Range	Default	ADD	Range	Default
300 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:00-00:30)	324 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:00-12:30)
301 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (00:30-01:00)	325 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (12:30-13:00)
302 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:00-01:30)	326 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:00-13:30)
303 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (01:30-02:00)	327 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (13:30-14:00)
304 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:00-02:30)	328 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:00-14:30)
305 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (02:30-03:00)	329 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (14:30-15:00)
306 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:00-03:30)	330 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:00-15:30)
307 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (03:30-04:00)	331 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (15:30-16:00)
308 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:00-04:30)	332 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:00-16:30)
309 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (04:30-05:00)	333 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (16:30-17:00)
310 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:00-05:30)	334 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:00-17:30)
311 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (05:30-06:00)	335 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (17:30-18:00)
312 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:00-06:30)	336 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:00-18:30)
313 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (06:30-07:00)	337 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (18:30-19:00)
314 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:00-07:30)	338 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:00-19:30)
315 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (07:30-08:00)	339 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (19:30-20:00)
316 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:00-08:30)	340 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:00-20:30)
317 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (08:30-09:00)	341 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (20:30-21:00)
318 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:00-09:30)	342 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:00-21:30)
319 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (09:30-10:00)	343 CSHR	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CA (21:30-22:00)

320 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (10:00-10:30)	344 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (22:00-22:30)
321 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (10:30-11:00)	345 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (22:30-23:00)
322 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (11:00-11:30)	346 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (23:00-23:30)
323 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (11:30-12:00)	347 CSHR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA (23:30-00:00)

Use these addresses to define ranges for the optional Automatic Report. Up to 48 ranges are available.

P26 Service Time Ranges Worksheet

(P2 Mode) Beginning Sequence: 26 CASH

ADD	Range
400 CSHR	CA
401 CSHR	CA
402 CSHR	CA
403 CSHR	CA
404 CSHR	CA
405 CSHR	CA
406 CSHR	CA
407 CSHR	CA
408 CSHR	CA
409 CSHR	CA

Use these addresses to define ranges for the Service Time Reports. A maximum of ten addresses are available.

Note: Use Flags 269 and 270 to set up the three Efficiency Levels that decide which order preparation times update these time ranges. (For example, you can track orders under three minutes, orders between three and four minutes, and orders over four minutes.)

P28 Product Mix Groups

Use this program to define the Product Mix Groups. These groups are reported, by the time ranges you defined in P26 (Addresses 200-247), on the Product Mix, Product Projection, and Product Comparison Reports. You can define up to 99 groups, depending on Memory Allocation.

Name: Enter the name of the Product Mix Group you are programming.

#/Unit: Enter '0' to track piece or item counts for this Product Mix Group. Upon registration, items update this group's counter by one (unless you specify a different number of pieces for the item in the PLU program).

OR

If you use head count for this group, enter the number (1-99) of pieces, slices, etc., that make up a whole unit or "head." A typical example would be Chicken, where nine pieces make up a whole chicken. If you enter '9', you must sell nine pieces of chicken to update the group's counter by one.

Note: With head count, group counts report in fractional quantities. The whole number represents the number of heads, or whole units. The fractional quantity indicates the remaining number of pieces. For example, if you program a Chicken group that tracks nine pieces per head, the report shows a 1.2 count when you sell 11 pieces of chicken.

Status: If you do not want the group to display at all KVS screens using Product Comparison mode, enter a 2-digit value from the selections below. Enter '0' if you do not use this mode or if groups display at all CRTs.

A:1= Do Not Display at CRT 4. B:1= Do not Display at CRT 1.
2= Do Not Display at CRT 5. 2= Do not Display at CRT 2.
4= Do Not Display at CRT 6. 4= Do not Display at CRT 3.

Color: Select from the options below if you use a Color KVS System.

A:0= Normal Video B: 0= White 4= Red
1= Blink 1= Blue 5= Magenta
2= Reverse Video 2= Green 6= Yellow
3= Cyan

P28 Product Mix Programming (P2 Mode) Beginning Sequence: 28 CASH

P Mix # CSHR	Descriptor (8 characters) CASH	#/ Unit CASH	Status		Color	
			CASH		CASH	
			A	B	A	B

#/Unit: 0 = Item or Piece count. Color: A:0= Normal Video
 1-99 = # pieces per unit. 1= Blink
 2= Reverse
 Status: A:1= Disable Display @ CRT #4 B:0= White
 2= Disable Display @ CRT #51= Blue
 4= Disable Display @ CRT #62= Green

3= Cyan

B:1= Disable Display @ CRT #14= Red

2= Disable Display @ CRT #25= Magenta

4= Disable Display @ CRT #36= Yellow

P30 Prompts & Error Messages

Program 30 gives you access to the programmable system messages for your workstation screens and receipts, including prompts and error messages, preamble, postamble, and the credit approval messages.

The first 200 addresses of this program define the prompts and error messages that appear on the operator screens. After RAM Clear, default messages are loaded into the workstation memory. The defaults are listed on the worksheets. You can use these messages or modify them, as needed, to fit your application. The 5000 Series documentation refers to the defaults when discussing error messages.

Preamble & Postamble

Program 30 also gives you access to the preamble (logo) and postamble messages that print on your workstation printers. If you want to enter a customized message, you must enable the preamble or postamble in Program 24, Flag 103. If you do not enable them, your entries in this program are not acknowledged.

The Preamble can consist of up to 3 lines, each with as many as 32 characters. Each line of the Preamble has two addresses. Use Addresses 206 and 207 to program the first line of the preamble. Use Addresses 208 and 209 for Preamble line 2 and 210 and 211 for Preamble line 3. As an example, you would enter a logo with "PANASONIC 5000 SERIES" centered on the first line in the following way.

```

206 CSHR |         P A N A S O N I C         | CA
          | 5 0 0 0   S E R I E S         | CA
207 CSHR |

```

The Postamble can also have up to three lines of 32 characters. Use Addresses 200 and 201 for the first line, 202 and 203 for the second line, and 204 and 205 for the third line. You would enter a commonly-used "THANK YOU - VISIT AGAIN" postamble as follows.

```

200 CSHR |         T H A N K   Y O U   -         | CA
          | V I S I T   A G A I N         | CA
201 CSHR |

```

Approval Message

If you enabled it in P24, Flag 103, Check Print can include an credit card approval message. The default for this message is shown below. You can modify it to match your restaurant requirements, if necessary.

P30 Prompts & Error Messages (P2 Mode) Beginning Sequence: 30 CASH

#	Default Message	Address CSHR	Message CASH
00	HALO/LALO ERR	100	
01	SUBTOTAL ?	101	
02	ENTER CASHIER #	102	
03	ENTER SERVER #	103	
04	ENTER AMOUNT	104	
05	CAID HALO	105	
06	MODIFIER?	106	
07	ENTER P/B	107	
08	CHECK ENDORSE	108	
09	ENTER #	109	
10	VALIDATE	110	
11	SERVER ID ERROR	111	
12	RE-ENTER	112	
13	OVERFLOW	113	
14	CHANGE ROLL & RS	114	
15	DRAWER OPEN	115	
16	COMM BUSY	116	
17	TERMINAL BUSY	117	
18	INVALID OPERAT'N	118	
19	BUFFER FULL	119	
20	NOT DISCOUNTABLE	120	
21	SLIP OUT	121	
22	NOT FOUND	122	
23	COMM START	123	
24	COMM END	124	

*You can use the error number to identify custom messages; it automatically appears with the message text, e.g., *19* BUFFER FULL.*

#	Default Message	Address CSHR	Message CASH
25	ENTER IN/OUT	125	
26	ENTER # OF GUEST	126	
27	PLU SHIFT ?	127	
28	ENTER PSN #	128	
29	ENTER TBL #	129	
30	*** ALL VOID ***	130	
31	CALL MANAGER	131	
32	TRAINING MODE	132	
33	INVALID RECEIPT	133	
34	ORDER CHANGE	134	
35	ENTER TIME	135	
36	TERM# PROG ERR	136	
37	TIME CLOCK BUSY	137	
38	ENTER ACT INVT	138	
39	STORE NOT CLOSED	139	
40	VERIFY DEPOSITS	140	
41	ENTER DEPOSITS	141	
42	VERIFY INVENTORY	142	
43	HOST POLLING	143	
44	ENTER MANAGER #	144	
45	MODFR MISMATCH	145	
46	NON ELIGIBLE	146	
47	EXT.PRINTR BUSY	147	
48	GCK BUFFER FULL	148	
49	NEW SLP & RESTRT	149	

#	Default Message	Address CSHR	Message CASH
50	SRVR DISABLED	150	
51	NOT FINALIZED	151	
52	PREVIOUS ITEMS	152	
53	*** TIME IN ***	153	
54	*** TIME OUT **	154	
55	** BREAK OUT **	155	
56	GCK BACK-UP MODE	156	
57	OFFLINE	157	
58	GCK PROCESSING	158	
59	NOT ACCEPTED	159	
60	TENDER CORRECT	160	
61	INVALID RECEIPT	161	
62	*PARTIAL CHECK*	162	
63	INVALID KEY CODE	163	
64	ALL VOID/CK PRINT	164	
65	SELECT NEXT KEY1	165	
66	SELECT NEXT KEY2	166	
67	SELECT NEXT KEY3	167	
68	SELECT NEXT KEY4	168	
69	SELECT NEXT KEY5	169	
70	MODE CHECK ERROR	170	
71	KILOGRAM ERROR	171	
72	POUND WHT ERROR	172	
73	GCK BACK-UP DOWN	173	
74	ENTER WAIT	174	

#	Default Message	Address CSHR	Message CASH
75	PROCESSING	175	
76	BAD CONFIG	176	
77	GCK MASTER DOWN	177	
78	WEIGHING	178	
79	MOTION ERROR	179	
80	ZERO ERROR	180	
81	UNDER CAPACITY	181	
82	OVER CAPACITY	182	
83	DISPENSER ERROR	183	
84	LOW COIN ALARM	184	
85	SCALE ITEM ?	185	
86	NON SCALE ITEM ?	186	
87	SWIPE CARD	187	
88	CARD HAS EXPIRED	188	
89	CARD# : N #	189	
90	EXP.: MM/YY DATE	190	
91	INVALID CARD#	191	
92	PLEASE TRY AGAIN	192	
93	ENTER PRINTER/I	193	
94	SP ASSIN WAIT	194	
95	S. PRINTER BUSY	195	
96	MAN WT	196	
97	R/CHANGE ROLL	197	
98	VIDEO BUSY	198	
99	(Host ID for Polling)	199	

Postamble/Trailer Message:

Line #	Address	Message (16 characters)
1	200	
	201	
2	202	
	203	
3	204	
	205	

Preamble/Logo:

Note: Remember to enable the Preamble and Postamble messages in P24, Flag 103.

Line #	Address	Message (16 characters)
1	206	
	207	
2	208	
	209	
3	210	
	211	

Check Endorse Message

Line #	Address	Message (16 characters)
1	212	
	213	
2	214	

Approval Print Message:

Line #	Address	Message (16 characters)
1	215	
	216	
2	217	
	218	
3	219	
	220	
4	221	
	222	
5	223	
	224	

Note: The default message is shown below.

TIP: _____	(Addresses 215 & 216)
TOTAL: _____	(Addresses 217 & 218)
SIGNATURE: _____	(Addresses 219 & 220)
PHONE #: (_____) _____	(Addresses 221 & 222)
APPROVAL CODE: _____	(Addresses 223 & 224)

Credit Card Message

Line #	Address	Message (16 characters)
1	225	Card Number
	226	Expiration
2	227	Sign:
	228	(Line for signature)
3	229	PLEASE KEEP THIS COPY
	230	
4	231	FOR YOUR RECORDS.

	232	
--	-----	--

EJ/Recall Order

Line #	Address	Approval Message (16 characters)
1	233	E.J. BUFFER FULL
2	234	[CLEAR] TO EXIT
3	235	RE-PRINT RECEIPT
4	236	(Future)

Guest Check

Line #	Address	Approval Message (16 characters)
1	238	DUPLICATE CHECK #
2	239	GCK IN USE

POS LAN Manager

Line #	Address	Approval Message (16 characters)
1	240	PC OFFLINE
2	241	PC ONLINE

P31 Cashier File

Use Program 31 to define the numbers cashiers use to log onto the system. Your entries in this program also define the access level for the log numbers: cashier access, Manager 1-level, or Manager 2-level.

Cashier #:

This field corresponds to the memory address of the cashier or manager. It is referenced in the program and report menus, so the secret numbers are not revealed. You cannot enter a number higher than you allocated in the Memory Map. If, for example, you allowed two cashiers, the only valid entries are 1 and 2.

Code #:

The Code # is an 8-digit entry, which determines the number this cashier uses to log onto the workstation, as well as the access level of this log number.

The first digit of the Code # determines the cashier or manager access level. If this cashier can only access basic, or unrestricted, operations (or if security levels are not used), enter '0' in the first digit position. If the cashier/manager can access MGR 1-level operations, enter '1'. Enter '2' if the cashier/manager can access MGR 2-level operations. Manager 1 and 2 Level Code numbers can only be programmed in P2 Mode.

Note: Security limits are set for the keylock modes and programs in Flags 241 and 242. For example, if Flag 241 = 1, only a Level 1 Manager can access P1 Mode functions.

The remaining seven digits of this code define the number the cashier uses to log onto the workstation.

Code #:

Security Code Log-on Access Number

Name:

Enter the maximum 8-character cashier or manager name. If you do not enter a name, the Cashier number (your first entry here) appears and prints for operational transactions.

P31 Cashier File (P2 Mode) Beginning Sequence: 31 CASH

(Page ___ of ___)

# CSHR	Code #								Name (8 characters)
	A	B	C	D	E	F	G	H	

(1-99) A:0= Basic Access (cannot override operations requiring a manager)

1= MGR 1 Level Access

2= MGR 2 Level Access

B-H:Enter the Cashier or Manager Log-on Code Number.

P32 Server File

Use Program 32 to enter information about the servers who use the 5000 Series workstations. This program defines the server name, as well as the number the server uses to log on at the beginning of a transaction.

Worksheet Selections

Server #:

Use this number to open a space in memory for the server you are programming. This number is also referenced on the Server Report screens. It is restricted by the number you allocated in the Memory Map. If, for example, you allowed 30 Servers, you can only use Server numbers 1-30.

If you are using coded server numbers, and have assigned key code 83 to your keyboard layout, the number in this field is used for server log-on. This number is also referenced for preset server keys.

Code #:

If your application uses secret server numbers, use the Code # entry to assign the log number. You can enter one to seven digits. This number does not display on the operator screen or print on customer receipts.

Note: If you want to use secret server numbers, you must use key code 99 for your keyboard layout. Servers log on by pressing the SERVER key, entering their code number, then pressing the SERVER key again. If you are not using secret numbers, you need not enter a number in this field.

Descriptor:

Enter up to eight characters for the server name. This name appears on the operator screen and prints on the customer receipt or check. If you do not enter a name, the server number (from the first field) displays and prints.

P32 Server File (P2 Mode) Beginning Sequence: 32 CASH (Page ___ of ___)

SVR# SVR	CODE # SBTL							DESCRIPTOR (Max. 8 characters) CASH

(1-99) 7 digits 8 characters

The number of servers you can assign depends upon your Memory Allocation.

P34 Groups

To assist in reporting, restaurant menu items are broken into three group types: Summary Group, Major Group, and Minor Group (Subgroup). Subgroups are linked to a Major group. Major groups are, in turn, linked to a Summary Group for additional report detail. Use Program 34 to create the Summary, Major, and Subgroups you need to track.

Summary Groups typically represent very broad categories, such as Food, Liquor, Beer, and Wine. After you assign the Summary Groups, you can subdivide them into more specific Major Groups. For a greater detailed group, subdivide the Major Groups into Subgroups. You later link menu items to these subgroups to give the restaurant an overview of activity by category. For example, you could link a "NY Strip" menu item to a "Food" Summary Group, an "Entree" Major Group and a "Beef" Subgroup.

Group #:The system allows you to define up to 15 Summary Groups (Addresses 201-215), up to 20 Major Groups (101-120), and up to 99 subgroups (1-99), depending on your Memory Allocation.

*Note:*The number you enter decides the options displayed in this screen. If you enter a number between 1 and 99, the Subgroup options display. If you enter a number between 101 and 120 the Major Group options display. If you enter a number between 201 and 215, the Summary Group options display.

Descriptor:Enter the name (up to 16 characters) of the Summary, Major or Minor Group you are programming.

Link:If you are programming a Subgroup, enter the number (1-20) of the Major Group to which this subgroup is linked. If you are programming a Major Group, enter the number of the Summary group to which this major group links. This field displays only if you entered a Subgroup number or a Major Group number in the first field.

P34 Groups Beginning Sequence: 34 CASH

Group # CSHR	Descriptor (2 lines/group) CASH								Link # SBTL

Group #:1-99 = Subgroup #.
100-120= Major Group 1-20.
200-215= Summary Group 1-15.

*Link #: For Subgroups, enter the number of the Major Group link.
For Major Groups, enter the number of Summary Group link.*

P27 PLU Additions & Deletions

You use two programs to enter restaurant PLU items: Program 27 (P27) and Program 35 (P35). These programs work together to open a space in memory, then assign options for the PLUs.

Before you can program a menu item, you must enter its associated number in Program 27. Use this program whenever you want to enter a new PLU number or delete an existing one. Use the following instructions to add or delete a PLU; see Program 35 to set options for the PLU number.

PLU Additions:

You must assign a number to each PLU you want to program. You can use any 1-6 digit number for Open and Coded PLUs. The numbers you assign your Preset PLUs must coincide with the option you selected in P24, Flag 129. If Flag 129 = 0, your Preset PLUs can be any number between 1 and 999. If Flag 129 = 1, number your Preset PLUs, in multiples of ten, from 10 to 9990. If Flag 129 = 2, you must assign numbers, in multiples of 100, between 100 and 99900. If Flag 129 = 3, assign numbers, in multiples of 1000, from 1000 to 999000.

After you assign the numbers, enter them in Program 27 to open memory for the items you are programming. Use the P27 Worksheets to document each number you enter.

Important: If you are adding a PLU to an existing file, you can enter the new number in Program 27, then individually downline it without affect to the file or totals. If, however, you are going to downline the entire PLU file, you must take Z1 and Z2 PLU Accumulation Reports before you downline. Failure to take these reports prior to downlining results in distortion of the restaurant's PLU totals and possible file corruption.

PLU Deletions

If you enter an incorrect number, or no longer need an existing number, you can delete it in Program 27. Enter the number of the PLU you want to delete, press PLU, then press VOID.

Important: If you are deleting a number from an existing file and want to protect your totals, you must perform a System Close or take Z1 and Z2 PLU Accumulation Reports before you delete the number. Failure to take these results in distortion of totals and may corrupt the file. There are no exceptions.

P27 PLU Additions & Deletions (P2 Mode) Beginning Sequence: 27 CASH

PLU # / PLU						PLU # / PLU					

To add a PLU: (PLU #) PLU
To delete a PLU: (PLU #) PLU VOID

P35 PLU File

After you enter the PLU number in Program 27, use Program 35 to enter the additional information associated with this item, including its descriptor, pricing, steering, recipe, and group links.

The Program 35 menu displays all options available to PLU items. From this menu, the cursor is positioned on the Price line. To go to another line, enter the line number and press CSHR. For example, "1 CSHR" moves the cursor to the "Descriptor" line. Enter the values you need for the selected line, then press CASH to set the entry. Pressing CSHR also moves the cursor down, one line at a time.

Note: From the Status 1, Status 2, or Status 3 lines, you can press MENU LOOK-UP to display a list of the status options.

PLU # Enter the 1-6 digit PLU number. (You should already have entered this number in Program 27.) Remember to take Flag 129 into consideration for Preset PLUs.

Field 1: Descriptor

Enter the PLU name. You can enter two, eight-character lines.

Field 2: Status 1

A: Enter the minimum number of modifiers or condiments (0-7) required for this item. For example, if you enter '3' for a chicken dinner, you must enter at least three side dishes with the dinner. Also set value '2' in Status 2, Option C.

B: 1-Require a Shift key (e.g., "Small" or "Large") for this item.

2-This PLU price is negative (subtracting).

4-Include GST (Canada) Tax.

C: 1-Add Tax 1 to this item.

2-Add Tax 2 to this item.

4-Add Tax 3 to this item.

D: 1-Disable this item.

2-Enable Red Print for this item (available only for specific printers).

4-Disable Tandem PLU print/display. Set this on the Tandem PLU only. If Flag 164=2, this option only disables the Tandem PLU display.

Field 3: Status 2

A: 1-Require Double Shift for this item. If set, this item requires a single shift (0-9) and a double shift (10-90) for each registration.

4-This item is Open (versus Preset).

- B:1-This item acts as a Modifier/Condiment.
- 2-This item acts as a Memo Modifier/Condiment, which does not add to the customer total or print on reports.
- 4-Allow Discounts to this item.
- C:1-Inhibit use of Promo with this item.
- 2-Require a modifier/condiment with this item.
- 4-This item does not add to the customer itemizer.
- D:1-Disable Receipt print for this item.
- 2-Disable Journal print for this item.
- 4-Disable Slip print for this item.

Field 4: Status 3

- A:1-Allow a scale entry with this item.
- 2-Require a scale entry with this item.
- B:1-This item has a GST Exception (Canada only).
- 2-Enable a Special Price PLU.
- 4-Enable multiple Price Levels for this item.

Field 5:Price

Enter the preset price (\$.00-9999.99), or, if you are programming an open PLU, enter the highest amount allowed (HALO) on this item key.

Field 6:Price 2

Enter the price activated for Price Level 2, where applicable.

Field 7:Price 3

Enter the price activated for Price Level 3, where applicable.

Field 8:Price 4

Enter the price activated for Price Level 4, where applicable.

Field 9:Remote Steering

- A:1-Assign Steer Flag 4 to this item.
- 2-Assign Steer Flag 5 to this item.
- 4-Assign Steer Flag 6 to this item.
- B:1-Assign Steer Flag 1 to this item.
- 2-Assign Steer Flag 2 to this item.
- 4-Assign Steer Flag 3 to this item.

Field 10: Eligible Coupon #

Enter up to three coupon numbers (from Program 36) for this item. The three fields of this entry correspond to the COUP 1, COUP 2, and COUP3 keys.

Cp3: Enter the 2-digit coupon # assigned to the COUP 3 key.

Cp2: Enter the 2-digit coupon # assigned to the COUP 2 key.

Cp1: Enter the 2-digit coupon # assigned to the COUP 1 key.

Field 11: Product Mix

Each PLU can be linked to as many as two Product Mix Groups. Enter the Product Mix Group numbers (from Program 28) that apply to this item.

Mix2: Enter the number of the secondary Product Mix group updated by this item. The group number you enter in this field tracks any special piece counts you enter in Line 10 of Mix 2.

Mix1: Enter the number of the primary Product Mix group updated by this item. The group number you enter in this field can track any special piece counts you enter in Line 10 of Mix 1.

Field 12: Recipe

Enter the number of the recipe (from Program 55) associated with this menu item.

Field 13: Piece Count

Enter up to four pieces added to the Product Mix Group counter (Line 8) each time this item is registered. If, for example, you are programming a 2PC Chicken Snack with Biscuit.

Mix2: Enter a '2' in this field to update the Chicken Product Mix Group by two each time you register a 2PC Chicken Snack with Biscuit.

Mix1: Enter a '1' to update the Biscuit Product Mix Group by one each time you register a 2PC Chicken Snack with Biscuit.

Field 14: Class Match #

If you are using class codes, enter the class match number (0-255) of the condiment or modifier. (If you are programming a main item or a modifier linked to a modifier, enter its class code in Line 15.)

Note: Class #255 is a "wild card" modifier which matches all class settings.

Field 15: Class #

You can use class numbers to increase the accuracy of condiment/modifier entries. Assign a Class # to items that link to a modifier. Then assign a Class Match # to all modifiers/condiments that "match" this item.

Use the Class # field to enter a class number for an item. (Enter class match numbers for modifiers in Line 14.) Upon registration, the system checks to see if the classes of the item and modifier match. If the classes are different, the condiment is not allowed.

- For an item (vs. a modifier), enter a class number here.
- For a modifier, enter a class match number in Line 14.
- For a secondary modifier (one linked to another modifier), enter a class here.

Note: Class #255 is a "wild card" modifier. A modifier with Class #255 matches all class # settings. Class #0 is a valid class for the last modifier in a sequence.

Example: A NY Strip requires a temperature entry, then a choice of soup or salad. If soup is selected, the entry is complete. If salad is selected, the screen prompts a salad dressing. The following settings could be used.

Status	Status	Class	Class #
PLU	1	2 (Line 4)	(Line 11)
Steak	2010	0400	001 000
Rare			
Medium Rare			
Medium	0000	0200	002 001
Medium Well			
Well			
Soup	0000	0100	000 002
Salad	0000	0120	003 002
Ranch			
House			
Italian	0000	0200	000 003
French			
Russian			

Field 16: Linked Subgroup

Enter the number of the Minor Group (Subgroup) to which this item reports. Use subgroup numbers (1-99) from Program 34.

Field 17: Tandem PLU

Enter the optional 6-digit tandem PLU number. Any number you enter is automatically registered along with this item.

Field 18: Maximum # Modifiers

Enter the maximum number of modifiers or condiments (0-9) allowed with this item. (This entry can be overridden if Flag 178, Option 2 is set.)

Field 19: Tare

If this is a scale item, enter the number of the Tare Weight Table associated with this item (1-50.) Tare weights allow you to exclude the weight of the item's container or packaging from the item cost.

Field 20: Color

If this item is displayed on a Color KVS Monitor, select the Background and Status colors you want to use for this item.

A:0= Normal Video B:0= White

1= Blink1= Blue

1= Reverse2= Green

3= Cyan

4= Red

5= Magenta

6= Yellow

H		A B C D E F G H	A B C D E F G H	A B C D E F G H	A B C D E F G H	A B C D E F G H	A B C D E F G H	A B C D E F G
	PLU #:							
1	Descriptor:							
2	Status 1:							
3	Status 2:							
4	Status 3:							
5	Price 1:							
6	Price 2:							

7	Price 3:							
8	Price 4:							
9	Steering:							
10	Coupons:							
11	PMix:							
12	Recipe:							
13	Pieces:							
14	Class Match#							
15	Class #:							

16	Subgroup:								
17	Tandem:								
18	Modifiers:								
19	Tare:								
20	Color:								

Status 1	Status 2	Status 3	Remote Steering	Product Mix	Pieces	Max. # Modifier	Tare
A: Minimum # Modifiers (0-7)	A: 1=Require Double Shift	A: 1= Allow Scale					
B: 1= Require Shift	4=Open PLU	2= Require Scale	A: 1=Flag 4				
2= Negative	B: 1=Modifier/condiment		2=Flag 5	Use the first two digits (Mix 2) for the optional second Product Mix #.	Enter up to 99 pieces to add to the Product Mix Group counter when this PLU item is sold.	Enter the Maximum number of modifiers or condiments allowed for this item.	For Scale PLUs only:
4= Tax 4 (Canada)	2=Memo Modifier	B: 1= GST Exception	4=Flag 6				Enter the tare weight number (1-40) of the container used for this item.
C: 1= Tax 1	4=Discountable	2= Allow Special					
2= Tax 2	C: 1= Inhibit Promo	Price Item	B: 1=Flag 1	Use the second two digit (Mix 1) for the primary Product Mix #.			
3= Tax 3	2=Require Modifier		2=Flag 2				
D: 1= Disable	4=Non-Add		4=Flag 3				
2= Red Print	D: 1=No Receipt Print						
3= No Prnt/Display (Tandems Only)	2=No Journal Print						
	4=No Slip Print						

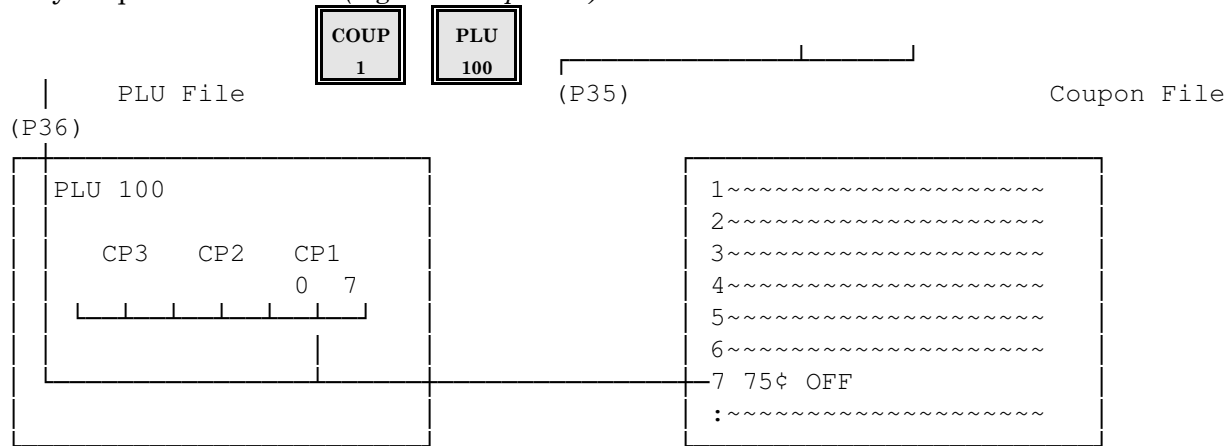
P36 Coupons

The 5000 System uses coupon search to verify coupon eligibility. The applicable item must be registered before the coupon can be accepted. To use coupon search, program up to 30 coupons in Program 36. Then use Program 35 to link items to their associated coupons.

Coupons are registered with preset COUP1, COUP2, or COUP3 keys. When you press COUP1 with the item, the system checks the item program and registers the coupon listed in the Coup 1 field. If you press COUP2 with the item, the system registers the coupon listed in the Coup 2 field. And, if you press COUP3 with the item, the system registers the coupon listed in the Coup 3 field. The steps in this process are illustrated below.

Key Sequence:

(registers coupon #7)



Coupon #:Enter the number of the coupon you are programming.

Status:A:1-Update Tax 1.

2-Update Tax 2.

4-Update Tax 3.

B:1-Open (vs. Preset) Coupon.

2-Require MGR Mode for this coupon.

4-The item(s) in this coupon are linked to either a Summary Group, Major Group or Minor Group.

Price/Halo:Enter the preset coupon amount (\$.00 - 9999.99). If the coupon is open, enter the dollar amount of the HALO.

P36 Coupon File (P2 Mode) Beginning Sequence: 36 CASH

Coupon # CPN	Amount/ HALO SBTL	Status CSHR A B	Descriptor (8 Characters) CASH

(1-30) (xxxx.xx)

Amount/

Halo:Enter the coupon amount (\$.01-9999.99). If the coupon is open, enter the HALO.

Status: A:1= Tax 1 B:1= Open Coupon
 2= Tax 22= Require MGR
 4= Tax 34= Coupon nets Groups and PLUs

P37 Negative File

If the restaurant check or charge keys require account number entries, use Program 37 to list any unacceptable (bad) accounts. When the server enters an account number in REG Mode, the system checks this file for the number. If it is not listed in this file, the account number entry is accepted. If it is listed in this file, you cannot close the transaction to this account without manager authorization.

Use the P37 worksheets to document the accounts that the restaurant does not want to accept. The number of accounts you can enter is determined by your entry in Memory Allocation.

If you want to use this function, remember to enter a '1' in Program 24, Flag 123.

New Accounts: Enter the number of the account that should not be accepted. You may use any 1-16 digit number. The number of available addresses is dependent upon Memory Allocation. The maximum is dependent upon the amount of memory installed in the workstation.

Note: To delete an account number, enter the account number you want to delete, press CASH, then press the VOID key.

P37 Negative File Beginning Sequence: 37 CASH

(Page ___ of ___)

Account #	Account #

To Add an Account: (account #) CASH
To Delete an Account: (account #) CASH VOID

P38 Guest Check/Customer File

Use Program 38 to manually assign guest check or customer account numbers. If, for example, the servers do not have access to the NEW CHECK key in REG Mode, the manager can use this program to open accounts. This program can also be used to delete an open guest check from the file. However, any checks deleted with this procedure distort your report accountability.

This file is only available at the workstation that acts as the Guest Check Master.

Check/File # Additions:

At the Guest Check Master, enter the 1-8 digit guest check or customer account number. The total number of accounts you can open at one time depends on the number of guest checks you allocated in the Memory Map.

Check/File # Deletions:

At the Guest Check Master, enter the number of the guest check or account you want to delete, press CASH, then press VOID. If you delete an open guest check, the current balance is erased and your report totals will not balance.

Important: An asterisk () to the right of a guest check number indicates that a Service or Check Paid transaction was not communicated to the Guest Check Master. This condition occurs occasionally during set-up, if the Check File is moved from one workstation to another while checks are open.*

Checks marked with an asterisk cannot be recalled for service or payment. You can use Program 38 to delete the marked check from the file. Remember, this program erases the check balance and results in the system being out-of-balance. After you delete the balance of this check, the check number can be re-issued with the normal procedure.

P38 Guest Check/Customer File (P2 Mode) Beginning Sequence 38 CASH (Page ___ of ___)

Guest Check # CASH	Guest Check # CASH

To Add a New Check: (check #) CASH

To Delete a Check: (check #) CASH, VOID

P39 Tare Weight

Use this program to define the various tare weights the restaurant uses for weighed (scale) items. A tare is a weight, associated with a package or container, that must be deducted from the total weight of the scale item. If salads and yogurt are sold by the pound, the plastic container holding the salad and the cup holding the serving of yogurt are examples of tare weights. You must deduct the weight of the cup or container from the overall weight, so that the item cost is based only on the weight of the item purchased.

Use Program 39 to list all the various containers you are using with their weights. Later, you use Program 35 to link these Tare Weight tables to the appropriate scale items.

Tare #:

Enter the number (1-50) associated with this tare weight item. You enter this number in Program 35 to link the container to all of the scale items that use it.

Descriptor:

Enter the description (up to eight characters) you want for this tare weight (e.g., "cup", "bowl", "plate", etc).

Weight:

Use the scale to weigh the empty package or container. Enter its weight in this field. Your entry is based, in part, on Flags 182 and 183. In Flag 183, you specify whether the scale measures pounds or kilograms. In Flag 182, you specify the decimal position. If Flag 183 = 1, you can enter .0 to 999.9 (lbs. or kg.) in this field. If Flag 183 = 2, you can enter .00 to 99.99. Or, if Flag 183 = 3, you can enter 0.000 to 9.999 in this field.

P39 Tare Weight (P2 Mode) Beginning Sequence: 39 CASH

Tare # CSHR	Descriptor CASH	Weight SBTL

(1-50)

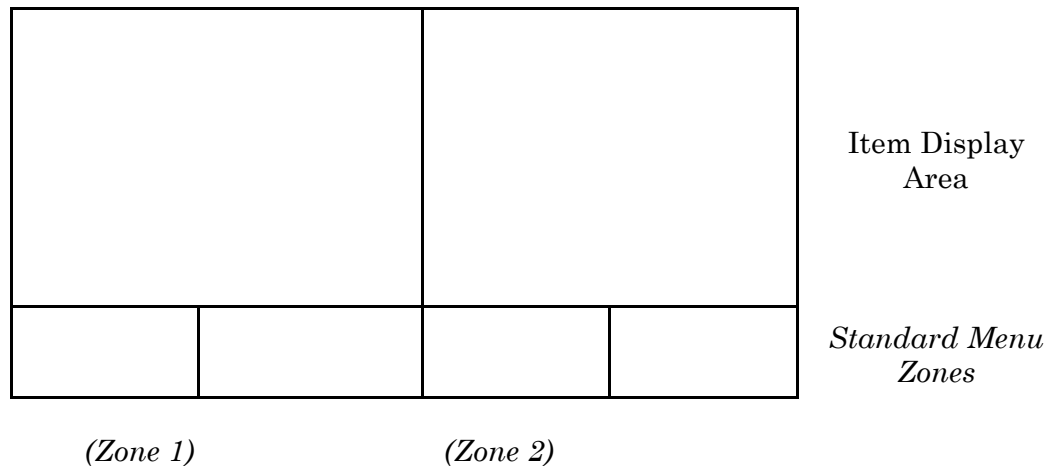
Weight:If Flag 182= 1, enter 000.1 - 999.9
If Flag 182= 2, enter 00.01 - 99.99
If Flag 182= 3, enter 0.001 - 9.999

Note:Use Flag 183 to specify the type of weight measurement (lbs. or kg.)

P51 KPS Standard Menu

Use Program 51 to list the menu items you want to display in the Standard Menu Zones of KVS systems. This program applies only to Kitchen Video Systems using KPS Mode. You can direct up to ten items to Zone 1. If you are using Dual Screen format, you can direct ten items to Zone 1 and ten additional items to Zone 2.

Use Addresses 10 through 19 to display items in Standard Menu Zone 1. Use Address 20 through 29 to list Standard Menu Zone 2 items. Remember, you can only use Zone 2 if you have selected Dual Screen format for the KPS mode, as shown this example.



PLU:

Enter the number of the PLU you want to display in this address. Enter P51 items into the workstation by pressing the Preset PLU key, or by entering the PLU number on the PLU key.

Descriptor:

Enter the 4-character description for the item you entered in the previous field.

RCRT Mode Note: You can also use Program 51 to assign 4-character descriptors to as many as twenty RCRT Mode items. Descriptors entered in this program will override the descriptors programmed in P35.

P51 KPS Standard Menu (P2 Mode) Beginning Sequence: 1 CASH

Zone 1			Zone 2		
Add CSHR	PLU PLU	Descriptor CASH	Add CSHR	PLU PLU	Descriptor CASH
10			20		
11			21		
12			22		
13			23		
14			24		
15			25		
16			26		
17			27		
18			28		
19			29		

PLU:Enter the PLU you want to display at this Standard Menu Address.

Descriptor:Enter the 4-Character Item Name.

*Note:*To Delete an item from Zone 1 or 2, enter the PLU number you want to delete, press PLU, then press VOID.

P53 Employee File

Use this feature to enter information associated with employees who use the time and attendance functions. For each employee, identify the name, the number the employee uses to clock-in/clock-out, and up to four possible job codes and pay rates. Entries are described here.

Employee #: Enter number of the employee you are programming. Up to 425 employees, depending upon your Memory Allocation, are available. However, only 250 employee numbers can be active per day.

Descriptor: Enter the employee name. You can use up to 8 characters.

Code: Enter the maximum 10-digit code number (i.e., Social Security or I.D. number) associated with the employee. This entire number, or a portion of this number, is used for Clock-in, Clock-out, and Break entries, depending upon your selection in P24, Flag 154.

Job 1: Use the Job 1 field to define the employee's default job code and pay rate.

A-B: Enter the number (1-20) of the employee's default job code. If a job code is not entered at clock-in, this job code is automatically activated.

C-D: Enter the pay rate (1-50) number associated with the default job code. (Pay rate numbers are defined in P56).

Jobs 2-4: Three additional job codes can be assigned to the employee. Specify these job code numbers and pay rates in Job 2, Job 3, and Job 4, as needed.

A-B: Enter the job code number (1-20) available for this employee.

C-D: Enter the number of the pay rate (1-50) associated with the job code you entered in the previous field. (Refer to P56 for pay rate numbers).

Status: 1=Require a job code entry at each Clock-in. If this option is not selected, a job code entry is optional, and the default job code (assigned in Job 1, above) is activated, unless another job code is specified at clock-in.

2=Require a tip entry at Clock-Out.

P53 Employee File Beginning Sequence: 53 CASH

(Page ____ of ____)

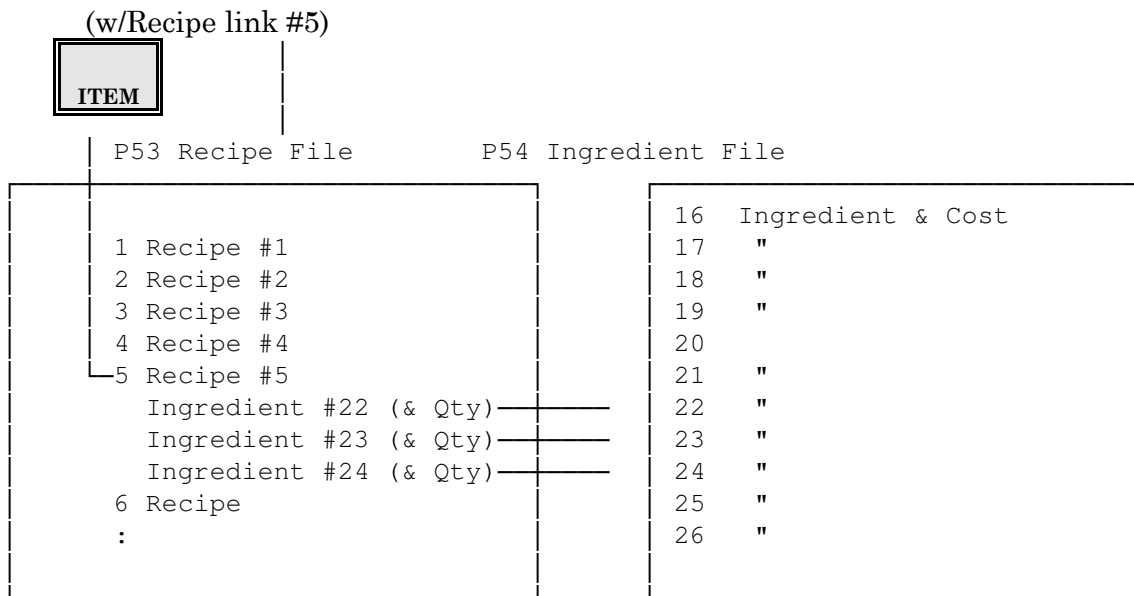
Empl #	Name	Code #	Job 1 Job 2	Job 3 Job 4	Status
--------	------	--------	----------------	----------------	--------

			A B C D	A B C D	

P54 Ingredient File

Use Program 54 to identify the raw ingredients you use in restaurant recipes. You specify the name of the ingredient and its cost, and assign the ingredient to a number. You then use the number to identify the ingredient when you build item recipes.

Enter the descriptor and cost of each ingredient you are tracking. The number of ingredients available, up to 300, depends upon your Memory Allocation.



Ingredient: Enter the number of the ingredient (1-300) you are programming. The number of available ingredients depends upon your Memory Allocation.

Descriptor: Enter the ingredient name. You can use up to 8 characters.

Cost: Enter the ingredient cost (\$.00 - 999.999). This entry is used to calculate food cost on inventory and food cost reports.

Status: Select the status option that applies to your ingredient.

0= Regular Ingredient

1= Scale Ingredient

P54 Ingredient File (P2 Mode) Beginning Sequence: 54 CASH

(Page ____ of ____)

Ingredient # CSHR	Descriptor CASH	Cost CASH	Status CASH
(1-300)	(8 Characters)	(xxx.xxx)	(0=Regular Ingred. 1=Scale Ingred.)

P55 Recipe File

Inventoried items are linked (in P35) to a recipe number. You use Program 55 to identify the ingredients(up to 10 per recipe) with the quantities that make up item recipes. If the recipe uses more than ten ingredients, you must link to an additional, or tandem, recipe.

Recipe #:Enter the number of the recipe you are programming (1-500, depending upon your memory allocation).

Address:Indicate the Line # (1-10) where you will enter the ingredient or tandem number. (10 addresses are available per recipe).

Field 1:Indicate the type of number you are entering for this address. Enter '0' to indicate an ingredient number in the next field. Enter '1' to indicate a tandem recipe number.

Field 2:If you entered 0 in Field 1, enter the ingredient number you are listing in this recipe. If Field 1 = 1, enter the tandem recipe number.

Field 3:Enter the ingredient quantity needed for this recipe. If, for example, you inventory potatoes by the bag and one bag yields 24 portions of the menu item "Small Fries", Small fries will use 1/24th of the bag. You would enter .0417 for the quantity [Qty = $1 / 24 = 0.04166$, or .0417].

OR

If you are programming a tandem recipe, enter the recipe amount needed. The quantity you enter for a tandem recipe applies to each ingredient. For example, if you link Recipe #1 to Tandem Recipe #8, and enter '2' for the quantity, ALL ingredients in Tandem Recipe #8 are multiplied by 2.

Note:Use these steps to move the cursor in the Recipe menu:

(recipe #)CSHR - advances to the specified recipe #.

CSHR - advances to the next recipe #.

(data) CASH - inputs the data and advances to next Field #.

SBTL - advances to next Field # (without data entry).

(ADD) (field)SBTL - moves to the specified line # and Field #.

[23 SBTL takes the cursor to Line 2, Field 3

P55 Recipe File (P2 Mode) Beginning Sequence: 55 CASH

(Page ___ of ___)

Recipe # CSHR	Field 1 Flag CASH	Field 2 Ing/Recipe# CASH	Field 3 Quantity CASH

(xx.xxxx)

Field 1:

- 0= Ingredient # Flag
- 1= Tandem Recipe Flag

P56 Pay Rates

Use Program 56 to define each of the pay rates you need. In the Employee File, you assign each employee a job code. The job code is then linked to the pay rate for a the particular employee. You can list as many as 50 rates.

Because job codes are linked, by employee, to a pay rate, two employees who use the same job code number do not necessarily receive the same pay rate.

Enter a pay rate amount (\$0.00 - \$99.99) for each P56 address, as needed.

P56 Pay Rates (P2 Mode) Beginning Sequence: 56 CASH

Rate # CSHR	Pay Rate CASH	Rate # CSHR	Pay Rate CASH
1		26	
2		27	
3		28	
4		29	
5		30	
6		31	
7		32	
8		33	
9		34	
10		35	
11		36	
12		37	
13		38	
14		39	
15		40	
16		41	
17		42	
18		43	
19		44	
20		45	
21		46	
22		47	
23		48	
24		49	
25		50	

(xx.xx)

(xx.xx)

P57 Kitchen Video System

Use this program to select the operating modes and options for your KVS monitors. Program 57 program has four selections: Monochrome KVS Modes, Color KVS Modes, KVS Descriptors, and Screen Colors. Refer to the explanation for the selection(s) that apply to your system.

Monochrome KVS Modes

The first selection in P57 lets you select the operating mode for a monochrome KVS screen. Entries for this program are described below. If you need details about the operating modes, please refer to the Panasonic KVS Operating & Programming Instructions.

ADD#:Enter the address (1-6) for the monitor you are programming.

Mode:Select the operating mode for the monitor you are programming.

01= RCRT 806= KPS-Single/Combined12= RCRT 4 Tandem
02= RCRT 407= KPS-Dual/Separate13= RCRT Split Tandem
03= RCRT Split Screen08= KPS-Dual/Combined
04= Park/Serve09= Product Comparison
05= KPS-Single/Separate11= RCRT 8 Tandem

Status:A:1=Do not display a '1' quantity for modifiers.
2=Enable the Beeper when an order exceeds the time limit.
B:1=Disable Consolidation.
2=Prioritize KVS Items (not valid for KPS or Product Comparison).
4=Prioritize KVS Modifiers (not valid for KPS or Product Comparison).
C:1=Require "Done" (indicating a complete order) before Clear.
2=Require Fill before Clear.
4=Beep upon receipt of an order.
D:1=Display the Cashier Name.
2=Display the Server Name.
4=Display the Sale Total.

Color KVS Modes

Use the second selection in the P57 menu to select operating modes for Color KVS systems. The entries for this program are described below.

KVS#: Enter the number (1-6) of the KVS controller you are programming. Your system can have one color KVS controller, with six channels for monitors.

Mode: Enter the number (1-15) of the mode you plan to use for this monitor.

01= RCRT 806= KPS-Single/Combined 12= RCRT 4 Tandem
02= RCRT 407= KPS-Dual/Separate 13= RCRT Split Tandem
03= RCRT Split 08= KPS-Dual/Combined
04= Park/Serve 09= Product Comparison
05= KPS-Single/Separate 11= RCRT 8 Tandem

Status: Enter values for options that apply to your mode selection.

A: 1=Do not display a '1' quantity for modifiers.
2=Enable the Beeper when an order exceeds the time limit.
B: 1=Disable Consolidation.
2=Prioritize KVS Items (not valid for KPS or Product Comparison).
4=Prioritize KVS Modifiers (not valid for KPS or Product Comparison).
C: 1=Require "Done" (indicating a complete order) before Clear.
2=Require Fill before Clear.
4=Enable the Beeper when the screen receives the order.
D: 1=Display the Cashier Name.
4=Display the Order Total.

After you choose a mode for each monitor, continue to the remaining selections on the P57 menu. Use the third selection if you want to modify the default descriptors and their colors. Use the fourth selection to set the color and appearance for the screen background, lines, timers, and other screen features.

KVS Descriptors (Monochrome & Color)

You can use P57 to customize many of the messages on your KVS screens. The worksheets list the default descriptors, which are loaded with a RAM Clear.

If you want to modify the defaults, select the Descriptors option on the P57 menu and enter a new description or color choice for the applicable address. The worksheets list the available options and the maximum number of characters per address.

Screen Colors

The last selection in the P57 menu defines characteristics for Color KVS operating modes. Use it to set the background color for the screen and the colors for order changes, for lines, and for other screen features. The options in this program are described below.

Mode: Enter the number (1-15) for the KVS Mode you are defining.

01= RCRT 806= KPS-Single/Combined12= RCRT 4 Tandem
 02= RCRT 407= KPS-Dual/Separate13= RCRT Split Tandem
 03= RCRT Split08= KPS-Dual/Combined
 04= Park/Serve09= Product Comparison
 05= KPS-Single/Separate11= RCRT 8 Tandem

ADD: Enter the address (1-16) of the feature you want to define.

Note: Addresses for features depend upon your mode selection. For example, RCRT modes (RCRT 4, RCRT 8, Split, and Tandem) have one set of features; Park/Serve, KPS, and Product Comparison modes each have a different set of features. The worksheets list addresses by mode.

Feature: Select characteristics for the address. (Background options differ from others.)

Background Address: Other Addresses:

AB: 00= Black A: 0= NormalB: 0= White
 01= Dark Blue 1= Blinking 1= Blue
 02= Gray 1 2= Reverse 2= Green
 03= Gray 2 3= Cyan
 04= Dark Green 4= Red
 05= Brown 5= Magenta
 06= Purple 6= Yellow
 07= User-Defined

P57 Monochrome KVS Modes

Beginning Sequence: 57 CASH 1 CASH

	<u>ADD #</u>	<u>Field 1: Mode #</u>	<u>Field 2: Status</u>
			A B C D
KVS #1 - CRT 1:	1 CSHR	_____ CA	_____ CA
KVS #1 - CRT 2:	2 CSHR	_____ CA	_____ CA
KVS #1 - CRT 3:	3 CSHR	_____ CA	_____ CA
KVS #2 - CRT 1:	4 CSHR	_____ CA	_____ CA
KVS #2 - CRT 2:	5 CSHR	_____ CA	_____ CA
KVS #2 - CRT 3:	6 CSHR	_____ CA	_____ CA

P57 Color KVS Modes

Beginning Sequence: 57 CASH 2 CASH

<u>KVS #</u>	<u>Field 1: Mode</u>	<u>Field 2: Status</u>
		A B C D
1 CSHR (KVS #1-CRT 1):	_____ CA	_____ CA
(KVS #1-CRT 2):	_____ CA	_____ CA
(KVS #1-CRT 3):	_____ CA	_____ CA
(KVS #1-CRT 4):	_____ CA	_____ CA
(KVS #1-CRT 5):	_____ CA	_____ CA
(KVS #1-CRT 6):	_____ CA	_____ CA

Mode:

1= RCRT 811= RCRT 8 TandemStatus:A:1= Do not display Quantity 1

2= RCRT 412= RCRT 4 Tandem 2= Beep when over time limit

3= RCRT Split13= RCRT Split TandemB:1= Disable Consolidation

4= Park / Serve

5= KPS (Sgl / Sep)

6= KPS (Sgl / Cmb)

7= KPS (Dual / Sep)2= Require Fill before Clear

8= KPS (Dual / Cmb)4= Beep at order receipt

9= Product ComparisonD:1= Display Cashier

4= Display Server

4= Display Sale Total

P57 KVS Descriptors

(Page 1 of 2)

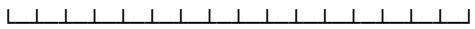

Beginning Sequence: 57 CASH 3 CASH

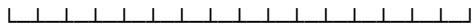

<u>Default Message</u>	<u>Message</u>	<u>Color</u>
DONE 100 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	A B
IN 101 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
OUT 102 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
D/T 103 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
CONT-> 104 CSHR (6 characters)	┌──────────────────────────────────┐CA ┌┐CA	
CANCEL 105 CSHR (6 characters)	┌──────────────────────────────────┐CA ┌┐CA	
GCK# 106 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
TL 107 CSHR (2 characters)	┌──────────────────────────────────┐CA ┌┐CA	
BFWD 108 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
PKUP 109 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
PHON 110 CSHR (4 characters)	┌──────────────────────────────────┐CA ┌┐CA	
111 CSHR	┌──────────────────────────────────┐CA ┌┐CA	
112 CSHR	┌──────────────────────────────────┐CA ┌┐CA	
113 CSHR	┌──────────────────────────────────┐CA ┌┐CA	
LNK CRT BUF FULL114 CSHR	┌──────────────────────────────────┐CA ┌┐CA	

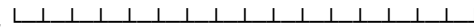

(16 characters)

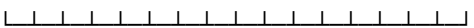

P57 KVS Descriptors

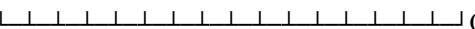

(Page 2 of 2)

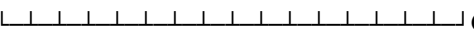

CHNG ORDER115 CSHR  CA  CA
(10 characters)

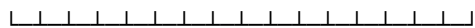

BREAK IN116 CSHR  CA  CA
(10 characters)

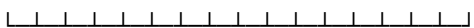

CSHR OVR117 CSHR  CA  CA
(10 characters)

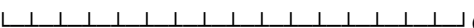

KVS MODE CHANGE118 CSHR  CA  CA
(16 characters)

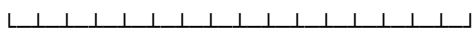

COMM BUSY 119 CSHR  CA  CA
(16 characters)



PENDING 120 CSHR  CA  CA
(16 characters)



BUFFER FULL 121 CSHR  CA  CA
(16 characters)

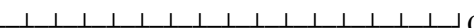

WRONG STEER DATA 122 CSHR  CA  CA
(16 characters)



DOWNLINE FRM W/S 123 CSHR  CA  CA
(16 characters)



COMM ERROR 124 CSHR  CA  CA
(16 characters)

RECALL 125 CSHR  CA  CA
(8 characters)

LOOK 126 CSHR  CA  CA
(8 characters)

SUMMARY 127 CSHR  CA  CA
(8 characters)

ACTIVE128 CSHR  CA  CA
(8 characters)

FILL129 CSHR  CA  CA
(8 characters)

Color Options:

A:0= Normal Video B: 0= White 5 = Magenta

1= Blink 1= Blue 6 = Yellow
2= Reverse Video 2= Green
3= Cyan
4= Red

P57 KVS Screen Colors

(Page ___ of ___)

Beginning Sequence: 57 CASH 4 CASH

RCRT #ADD FeatureColor Options

0
 _____ 1 SBTL Background _____ CA
 (1-3, 10-15) 2 SBTL Lines _____ CA
 3 SBTL Normal Timer _____ CA
 4 SBTL Blinking Timer _____ CA
 5 SBTL Cashier Name _____ CA
 6 SBTL Fill Timer _____ CA
 7 SBTL Normal Counters _____ CA
 8 SBTL Change Order Counters _____ CA
 9 SBTL Negative Counters _____ CA
 10 SBTL Item Void _____ CA
 11 SBTL All Voids _____ CA
 12 SBTL Recalled Orders _____ CA
 13 SBTL Server Name _____ CA

Note: Address options are the same for all RCRT (RCRT 4, RCRT 8, Split and Tandem) modes.

Product Comparison

0 9 0
 _____ 1 SBTL Background _____ CA
 2 SBTL Time _____ CA
 3 SBTL Past Time Zone _____ CA
 4 SBTL Current Time Zone _____ CA
 5 SBTL Future Time Zone _____ CA
 6 SBTL Today's Counts _____ CA
 7 SBTL Average Counts _____ CA
 8 SBTL Not Used _____ CA

Mode: Color:Color (Background only):

01= RCRT 811= RCRT 4 Tandem A: 0= Normal AB:00= Black
 02= RCRT 412= RCRT Split Tandem 1= Blink01= Dark Blue
 03= RCRT Split 2= Reverse02= Gray 1
 04= Park/Serve B: 0= White03= Gray 2
 05= KPS-Single/Sep. 1= Blue04= Dark Green
 06= KPS-Single/Comb. 2= Green05= Brown
 07= KPS-Dual/Sep. 3= Cyan06= Purple
 08= KPS-Dual/Comb. 4= Red07= User-Defined

*09= Product Comparison
10= RCRT 8 Tandem*

*5= Magenta
6= Yellow*

P57 KVS Color Selections

(Page ___ of ___)

KPS Mode #ADD FeatureColor Options

0

_____ 1 SBTL Background _____ CA
 (5-8) 2 SBTL Lines _____ CA
 3 SBTL Normal Counter _____ CA
 4 SBTL Blinking Counter _____ CA
 5 SBTL Change Order Items _____ CA
 6 SBTL Previous Counts _____ CA
 7 SBTL Current Counts _____ CA

Note: Address options are the same for all KPS (Single/Sep, Single/Comb, Dual/Sep, and Dual/Comb) modes.

Park/Serve

0

0 4
 _____ 1 SBTL Background _____ CA
 2 SBTL Lines _____ CA
 3 SBTL Normal Timer _____ CA
 4 SBTL Blinking Timer _____ CA
 5 SBTL Normal Park Timer _____ CA
 6 SBTL Blinking Park Timer _____ CA
 7 SBTL Cashier Name _____ CA
 8 SBTL Pick-up Time _____ CA
 9 SBTL Normal Counter _____ CA
 10 SBTL Change Order Counter _____ CA
 11 SBTL Negative Counter _____ CA
 12 SBTL Change Order Item _____ CA
 13 SBTL All Void Orders _____ CA
 14 SBTL Recalled Orders _____ CA

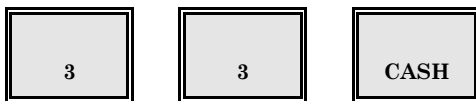
Mode: Color:Color (Background only):

01= RCRT 811= RCRT 4 Tandem	A: 0= Normal AB:01= Blue
02= RCRT 412= RCRT Split Tandem	1= Blink02= Gray 1
03= RCRT Split	2= Reverse03= Gray 2
04= Park/Serve	B: 0= White04= Green
05= KPS-Single/Sep.	1= Blue05= Brown
06= KPS-Single/Comb.	2= Green06= Purple
07= KPS-Dual/Sep.	3= Cyan07= User-Defined
08= KPS-Dual/Comb.	4= Red
09= Product Comparison	5= Magenta
10= RCRT 8 Tandem	6= Yellow

P33 Date & Time

The 5000 system can print the date and time on the customer receipt, journal, and guest check. Once you enter the date, you should require few adjustments. If you need to make change, you can use this procedure set the date or time.

1. Turn the keylock to P2 Mode.
2. Select the Date & Time program.



3. Follow procedure a or b, below, to set the date or time.

a) If you need to change the Time:

Enter the 4-digit time. Use two digits for the hours (hh) and two for the minutes (mm).

Remember also to use military time for p.m. hours (12:00 noon = 1200, 1:00 p.m. = 1300, 2:00 p.m. = 1400, ... 10:00 p.m. = 2200, 11:00 p.m. = 2300, 12:00 midnight = 0000). If, for example, the current time is 5:00 p.m., enter 1700 SBTL.

[time]

b) If you must change the Date:



Enter the current Month, Day, and Year. Use two digits for the month (mm), two for the day (dd), and two for the year (yy). For example, to set the date to July 4, 1998, enter 070498 CASH.

[date]

4. To exit the program,



press CASH.



System Set-Up

After you complete the 5000 Series worksheets, there are some basic set-up procedures you should follow before entering the application program. These steps include installing the Flash ROMs or EPROMS, adding the required amount of memory, setting the system status, and running the system self-tests. Before you enter your program, you should also initiate the RAM Clear command to erase all application data that currently exists in the workstation memory.

This section gives you an overview of the procedures you should follow before you enter the application program.

Configuration

Your workstations can be set up with Flash ROMs or with EPROMS. Flash ROMs have the advantage of allowing you to clear and load the application software from a remote PC, after which you can downline the application to additional workstations on your system.

The features you are using in your system affect where you install the new memory chips, as described below.

EJ, Projection & Multi-day Polling Buffer

If you use any of these features, you must install a 128KB or a 512KB chip in SRAM position (IC4).

Note:SRAM can be installed even if you are not using RAM positions 2, 3, or 4.

Older Versions of MR Software

With previous workstation software versions, your installation requires the use of a 512KB EPROM with the U35 Board. The Multi-day Polling Buffer and EJ functions are not available with this configuration.

Refer to the following pages for a description of the ROM chip positions.

ROM & Jumper Settings

The JS5000 U35 board has a standard configuration, with one 128K EPROM and one 128K RAM chip. You can add up to four more 128K RAM chips. You can also choose to replace one of the 128K RAM chips with a 512K RAM chip.

The type of chips you install (Flash ROM or EPROM) decides the CPU Board positions you must use. Refer to the diagram that applies to your workstations.

Flash ROM Set-up for U35 Boards

EPROM	SRAM	RAM4	RAM3	RAM2	RAM1	
BOOT 128K EPROM	OPTION 128K/512K RAM	OPTION 128K RAM	OPTION 128K RAM	OPTION 128K RAM	STANDARD 128K RAM	FLASH
1C2	1C4	1C5	1C6	1C7	1C8	

Jumper Settings: J22 = 1-2 J23 = 1-2 J24 = 1-2

SRAM (JP17) 4M = 2-3 1M = 1-2

EPROM Set-up for U35 Boards

EPROM	SRAM	RAM4	RAM3	RAM2	RAM1	
OPTIONAL 512K EPROM	Not Used	OPTIONAL 128K RAM	OPTIONAL 128K RAM	OPTIONAL 128K RAM	STANDARD 128K RAM	FLASH
1C2	1C4	1C5	1C6	1C7	1C8	

Jumper Settings: J22 = 2-3 J23 = 2-3 J24 = 2-3

SRAM (JP17) 4M = 2-3 1M = 1-2

Initial Flash ROM Procedures

This section describes procedures you use to load or update the software in systems with Flash ROMs.

1. With the keylock in P3 mode, turn on the workstation Power Switch.

The screen gives you the option to start the Flash ROM (Initial Program) procedures or to continue to the next screen.

Note: These procedures apply to Flash ROM configurations only. You must use the default key positions for the described steps. If you installed EPROMs, choose the Continue option to escape from this screen.

2. Select 2 and press CASH to go into the Initial Program menu, shown below.

```
1Exit09:10P3
2Flash Memory Clear
3Base RAM Clear* INITIAL MODE *
4Download (PC -> WS)
5Downline (WS -> WS)
6Self TestN CASH
```

3. Use following options (in the order described) to program the Flash ROMs.

- Flash Memory Clear -erases existing data from the ROM chips.
- Flash ROM Download -sends the program from the PC to the Master workstation.
- Flash ROM Downline -sends the program from the Master workstation to other workstations on your system.
- Base RAM Clear -erases existing data from the RAM chips.
- Self-Test -checks workstation components.

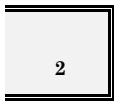
4. From here, refer to the explanation for the procedure you need.

Flash Memory Clear

Before you can write new data to the Flash ROMs, you must erase all existing program data. The Flash memory Clear procedure erases the Flash ROMs and tests each ROM position. This procedure is described here.

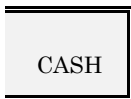
Note: This procedure is valid only for Flash ROM systems. If you are using EPROMs, "Invalid" displays when you try to select this option.

1. Start in the Initial Program menu. (The procedure you use to access this menu is described on the previous page.)
2. Select Flash Memory Clear to erase all data from your Flash ROMs.



The system clears all data from the Flash ROM addresses indicated on your screen. When this procedure is complete, an "Initial End" message displays at the bottom of the screen.

3. Press CASH to return to the Initial Program menu.



4. See the Flash ROM Download procedure to send the program from the PC to the Flash ROMs in the Master workstation.

After you program the Flash ROMs in the Master workstation, you can use the Flash ROM Downline procedure to send the program from the Master workstation to the other workstations on your system.

Flash ROM Download

After you clear the Flash ROMs, you can use the following download procedure to send the Flash ROM program from a PC to the workstation.

1. Start in the Initial Program menu.
2. Select the Download (PC->WS) option.



The screen displays a "Waiting for PC" message. Leave this message on the workstation screen.

3. Go to the PC and use the Panasonic PF Loader software to send the 5000 Series MR4.0 image file to the Flash ROMs in the workstation.

While the image file is downloading, the workstation displays a "Downloading" message. When the download is complete, the following screen displays.

```
*** PC LOADER ***                                09:36      P3
                                                    * INITIAL MODE *
DOWN LOADING
TEXT NO. XXX
NORMAL END
EXIT:  CASH
*** INITIAL END ***
```

Note: The final text number varies. If a "Communication Error" message displays in place of the "Normal End" message, the download was unsuccessful. Perform a Flash Memory Clear and repeat this procedure.

4. When the download is complete, press CASH to return to the Initial Program menu.
5. To program the Flash ROMs in other workstations on your system, see the Flash ROM Downline procedure, described next. Allow the Initial Program menu to remain on the workstation you just programmed.

Flash ROM Downline

After you send the Flash ROM program to one workstation, you can use the following procedure to downline the image file to other workstations on your system. The Downline option in the Initial Program menu has four options:

- Workstation # Programming
- Program Downline
- Clear Downline
- Clear Test

These four options help you prepare the receiving workstation for the download and send the image file to the receiving workstation.

At the Receiving Workstation

Use the following steps to prepare the workstation for the Flash ROM Downline.

1. With the keylock in P3 mode, turn on the workstation Power Switch.
2. Select 2 and press CASH to go into the Initial Program menu.
3. Select the Downline (WS->WS) option.



The screen displays the Flash ROM Downline menu, shown below.

```
*** DOWNLINE ***                                10:04  P3
                                                    * INITIAL MODE *
1 WS# PROGRAMMING
2 PROGRAM DOWNLINE
3 CLEAR DOWNLINE
4 CLEAR TEST                                     N CASH
```

4. Select the Workstation # Programming option.



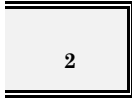
5. Assign an available number (1-20) to the workstation.

[workstation ID #]

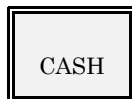


6. Press CASH to return to the Initial Program Downline menu.

7. Select the Program Downline option.



8. Select the Waiting (Receive) option.



The screen now displays a "Waiting for WS" message. Leave this message on the receiving workstation and go to the workstation where the Flash ROMs are already programmed.

At the Sending Workstation

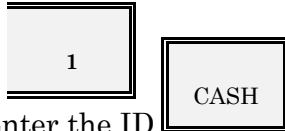
After preparing the receiving workstation, use the following procedure to downline the image file from the workstation where the Flash ROMs are already programmed.

1. Start in the Initial Program menu.

2. Select the Downline (WS->WS) option.

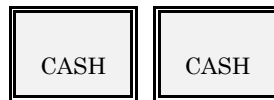


3. Select the Workstation # Programming option.

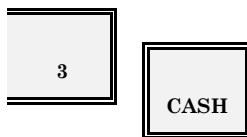


4. Enter the ID number (1-20) for this workstation.

[workstation ID #]



5. To make sure the Flash ROMs in the receiving workstations are erased, select the Clear Downline option.



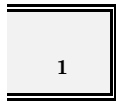
6. Identify the range of workstations with Flash ROMs to be erased.

Note: Use the Workstation ID numbers you assigned to the receiving workstations through the WS# Programming option in the Downline menu. See the set-up procedures for the Receiving Workstation if you have not assigned these numbers.

[starting workstation ID #] [ending workstation ID #]



7. When you are ready to erase the Flash ROMs in the identified range of workstations, select the Execute option.



The screen now displays a report of all possible workstations (1-20). An asterisk (*) appears next to workstations successfully cleared. "Initial End" displays when the procedure is complete.

8. Press CASH twice to return to the Initial Program Downline menu.



9. Select the Clear Test option to confirm that all Flash ROMs are cleared in the receiving workstations.



10. Identify the range of workstations you are testing for Flash ROM Clear.

[starting workstation ID #] [ending workstation ID #]



11. Select the Execute option to begin the test.



The screen lists the twenty possible workstation ID numbers, with an asterisk next to all workstations that pass the Flash ROM Clear test. All receiving workstations must successfully pass this test before you can downline the Flash ROM program.

12. Press CASH twice to return to the Initial Program Downline menu.



13. When the Flash ROMs are erased at all receiving workstations, you can perform the Flash ROM Downline procedure. To do this, select the Program Downline option from the Initial Program Downline menu.



14. Identify the range of workstations receiving the Flash ROM Downline.

[starting workstation ID #] [ending workstation ID #]



15. Select the Execute option to downline the Flash ROM image file to the identified range of workstations.



The screen lists the twenty possible workstation ID numbers. An asterisk appears next to all workstations that successfully receive the Flash ROM program.

If the downline fails:

Make sure the Flash ROMs were cleared at all receiving workstations.

Make sure you assigned a Workstation ID # at all receiving workstations.

Make sure the "Receiving" screen displays on all receiving workstations.

Clear the Flash ROMs at the receiving workstation before attempting another Flash ROM Downline.

16. Press CASH twice to return to the Initial Program Downline menu.



17. After successfully downlining the Flash ROM program, return to the receiving workstations and press CASH until you return to the Initial Program menu.

You can now perform a Base RAM Clear to erase all data from the installed RAM chips.

Base RAM Clear

Use the following procedure to clear data from the RAM chips installed in your workstations.

1. From the Set-up menu, select the Base RAM clear option.



An "OK" message appears when the RAM is successfully cleared.

2. Press CASH to return to the Initial Program menu.

Note: The Initial Program menu also includes a Self Test option. The tests are included in this menu for convenience; you can also access them through Program 20, which describes the available test options.

Memory Configuration

Your system can have three different memory configurations: Basic Workstation, Guest Check Master, and System Master.

Depending upon the size of your installation, you may use all three configurations, or you may combine the functions within a workstation. If, for example, your system consists of a single workstation, that workstation acts as the System Master and Guest Check Master. In a two-workstation installation, you can have a single workstation act as both the System and Guest Check Master, or you can have one workstation act as the System Master and the other workstation can act as the Guest Check Master.

Refer to your Memory Configuration worksheets for the estimated memory requirements. When you enter the Memory Allocation, enter addresses that are applicable for the workstation you are programming. This means you enter all addresses at the System Master. At the Basic Workstations, you enter only addresses that apply to Basic Workstations.

As you enter values in the addresses, the system calculates the true memory requirement. If "Invalid" displays, you do not have enough memory installed in the workstation. Add additional RAM or decrease your file sizes, if necessary.

Workstation Status

System Flag 199 controls the status of the workstation. If the workstation acts as a System Master, Flag 199 should equal '0'. If the workstation acts as a Basic Workstation enter a '1' in Flag 199. Enter the appropriate value after you perform a RAM Clear.

In-line ID Settings

Each device on your ARCNET system must have an identification number which is defined in P24, Flag 239. Remote Printers and KVS Controller ID numbers are defined by dip switch.

The following chart describes the dip switch settings for KVS Systems and Remote Printers. If your system includes a KVS system or remote printer, use the following chart to set the ID number.

Device	#	8	7	6	5	4	3	2	1
Remote Printer	RP #1	On	Off	Off	Off	Off	Off	Off	On
	RP #2	On	Off	Off	Off	Off	Off	On	Off
	RP #3	On	Off	Off	Off	Off	Off	On	On
	RP #4	On	Off	Off	Off	Off	On	Off	Off
	RP #5	On	Off	Off	Off	Off	On	Off	On
	RP #6	On	Off	Off	Off	Off	On	On	Off
	RP #7	On	Off	Off	Off	Off	On	On	On
	RP #8	On	Off	Off	Off	Off	On	Off	Off
Monochrome KVS Controller	KVS #1	On	On	Off	Off	Off	Off	Off	On
	KVS #2	On	On	Off	Off	Off	Off	On	Off
	KVS #3	On	On	Off	Off	Off	Off	On	On

Note: Set the appropriate ID at each device to which you are communicating.

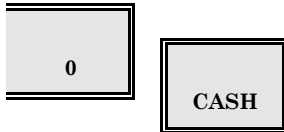
P21 RAM Clear

After you install the required amount of memory, go into Program 21 and perform a RAM Clear. RAM Clear erases file distortions resulting when you add new RAM chips or significantly change file sizes. It also loads the default program. The RAM Clear command must be performed before you enter the application program and any time you change the system memory.

The Program 21 RAM Clear menu also gives you access to the Z Counter Reset command. Use the following procedure to go into the RAM Clear menu.

1. Turn the keylock to P2 Mode and select the Memory Allocation Program.

shown below,  2. Select RAM Clear. The RAM Clear screen, shown below, displays.



```

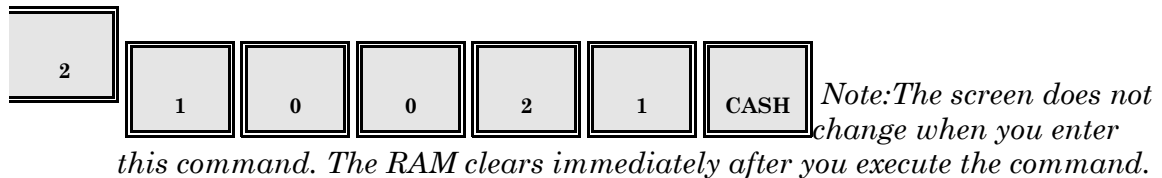
210021 W/O RAM TEST                               11:52 LVL1 P2
210121 RAM#1-1                                     ** RAM CLEAR **
:
210421 RAM#1-4
210821 RAM#5
216621 EJ BUFFER
216721 MULTI-DAY BUFFER
219921 PROJ.REPORT AREA

```

3. Refer to the description for the function you need.

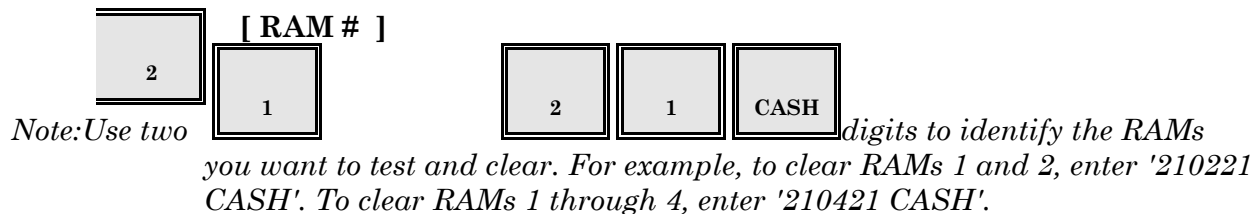
A.RAM Clear without Test

Use the following command if you want to clear the RAM without testing it. This option immediately clears the memory, then loads the default program. See Step 4 for instructions about exiting the test.



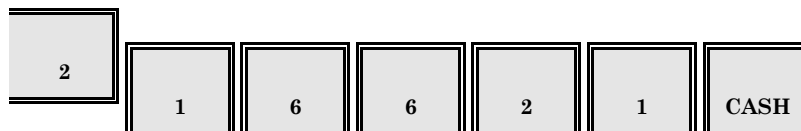
B.RAM Clear with Test

Use the following procedure to test each RAM address you clear. If the RAM passes the test, "OK" appears beside the RAM number. If it does not pass the test, or is not installed, "NG" appears. Once the RAM is tested and cleared, the system loads the default program.



C.EJ Buffer Reset

Once you activate the EJ Buffer, select data begins to accumulate in the buffer. Use the following procedure to erase the data currently stored in the buffer.



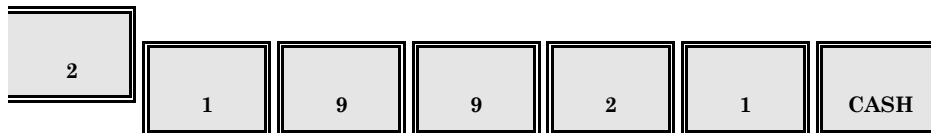
D. Multi-day Polling Buffer Reset

The Multi-day Polling Buffer stores previous report data, providing a back-up if the Host PC is unable to retrieve data for a particular business day. Use the following procedure if you want to erase all previous reports currently stored in the buffer.



E. Projection Report Clear

If you use the Projection Reports, counts accumulate in the historical files each time you perform a System Open. Use the following procedure to erase the counts just before the restaurant begins using the system. This is the only procedure available for resetting Projection and Comparison totals.

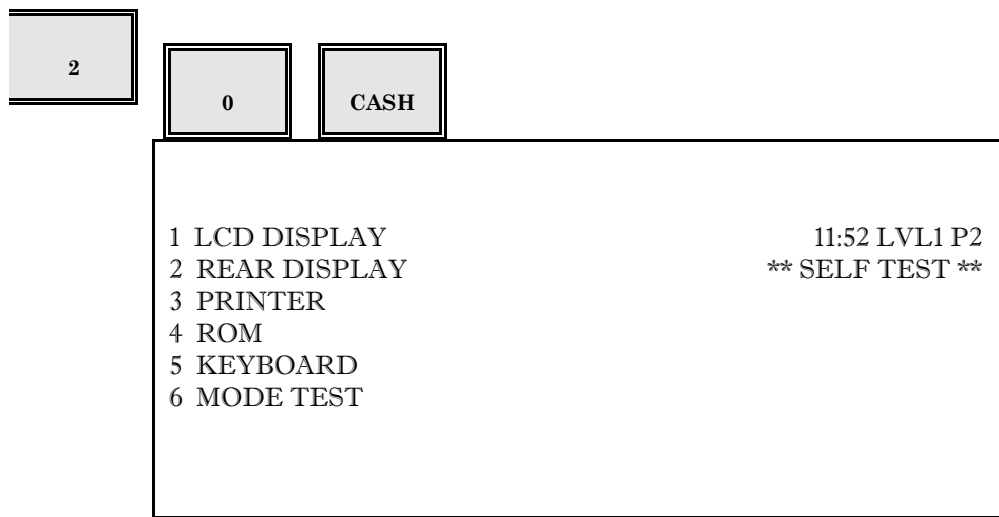


4. After you enter the command, press CLEAR to remain in the RAM Clear screen. Or press CASH, if you want to go back to the P2 Mode menu.

P20 Self-Diagnostics

After RAM Clear, you can run any or all of the diagnostic tests. Use these tests to verify the integrity of each individual workstation you are programming. If you have not yet defined your keyboard, you can use the Default Keyboard Layout for the test procedures.


1. Turn the keylock to P2 Mode.
2. Select Self-Test. The Self-Test menu, shown below, displays.

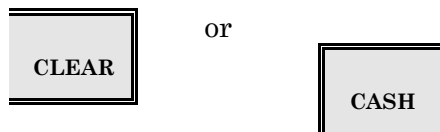


Note: This menu initially displays the first six available tests. You can use the Cursor keys to move back and forth in this menu. (If you know the test numbers, you can simply enter the test number.)

3. Select the test you want to run.

[test #]

4. When the  test finishes, a beeper sounds and "Test End" displays. To remain in the Self-Test screen, press CLEAR. To leave this menu, press CASH.



Test Descriptions

Test #1: LCD Test Use this test to check the operator display. The screen displays available characters in normal, bold, then reverse video. If you have installed it, the "A" drawer opens and "Drawer Open" displays. You must close the drawer before you can leave the test.

Test #2: Rear Display This test checks the customer display (at the back of the workstation). The screen displays all available numeric characters in sequence. If you have installed the "B" cash drawer, it opens and "Drawer Open" is displayed. You must close the drawer before you can exit the test.

Test #3: Printer Test Use this test to check the internal printer. Each available number and character prints on the receipt and journal tape. If you have a slip printer, you can also check it with this test. Place a check or form in the printer before you start the test. You must replace the check each time the system detects paper-end.

Test #4: ROM This test gives you the installed ROM version and checksum. Make sure checksums are accurate and all checksums are consistent system-wide.

Test #5: Keyboard This test checks the physical locations of your keyboard. The "Next Key" line indicates the key you should press. When you press the key, its associated hard key location displays beside the "In" line. If you press a key out of sequence, the "Wait" line indicates the position the system expected. The printer lists the omitted position. Refer to the Hard Key Location chart, provided later in this section, for a list of the codes you should see.

When you are ready to leave this test, turn the keylock to any position. Turn the keylock back to P2 Mode, then exit the test. Notice this test does not involve the soft key codes you assign to the keyboard.

Test #6: ModeUse this test to check each of the keylock positions. As you turn the keylock, its associated position displays on the workstation screen.
Closed = 00F0, REG Mode = 01F0, MGR Mode = 08F0, P2 Mode = 02F0, P3 = 04F0.

Test #7: IRC (send)This test checks the in-line hardware. After you place another workstation in "receive" mode, use this test to send a communication signal. The screen displays the results.

Test #8: IRC (Receive)This test helps verify that this workstation can accurately receive in-line data from other workstations on your system. Use this test to place a workstation in "receive" mode, then use Test #8 to send a communication signal.

Test #9: Time ClockThis test is used during manufacturing to test internal clock output. It has no practical application at restaurant level.

Test #10: RS-232CThis test checks the RS-232C ports of your workstation. You must connect a direct-connect modem-eliminator cable prior to running this test.

Test #11: Mag CardUse this test to check communication from the workstation to the Magnetic Card Reader. After entering the menu, run a card (test card, credit card, etc.) through the reader. The screen displays the results.

Test #12: Tandem TestThe Tandem Test starts with Test #1, the LCD test, and runs each test one time. You can use this test after RAM Clear to quickly run through each of the diagnostic tests.

Test #13: Repeat TandemThe Repeat Tandem test runs each of the diagnostics repeatedly. To exit this test, press any key (except the numeric keys) to signal the end of the test.

Test #14: Keyin Data The Data Dump test displays the key strokes stored to assist Dumpin troubleshooting any operational or system problems.

Test #15: Memory DumpThe Memory dump test displays/prints data stored in memory to assist with the troubleshooting of system problems.

Tests 16-19: RAM TestsThe 5000 system has two sets of RAM tests: Test 16-19 and Tests 20-23.

If you have installed 32Kb RAM chips, use tests 16-19 to check your workstation memory. Use Test #16 to check the first RAM chip, Test #17 to check the first two chips, Test #18 to check chips 1-3, and Test #19 to check the chips 1-4. If you have installed 128Kb RAM chips, use Tests 20-23 to check the workstation memory.

Tests 20-23: RAM TestsIf you have installed 128Kb memory chips in your workstations, use Tests 20-23 to check the RAM memory. Test #20 checks RAM 2. Test #21 tests RAM 2 and 3. Use Test #22 to check RAM chips 2-4 and Test #23 to test RAM 2-5.

Hard Key Locations

Each position on your workstation keyboard is associated with a number. This number, or "hard key location", identifies the keyboard positions you see in the Keyboard Self-Test.

The following chart lists each of the hard key locations associated with the workstation key positions.

0F	0E	0D	0C	0B	0A	09	08	07	06	05	13	03	(7F)	(BF)		
1F	1E	1D	1C	1B	1A	19	18	17	16	15	04	23	(DF)	(EF)		
2F	2E	2D	2C	2B	2A	29	28	27	26	25	14	33	02	01	11	00
3F	3E	3D	3C	3B	3A	39	38	37	36	35	24	43	12	21	20	10
4F	4E	4D	4C	4B	4A	49	48	47	46	45	34	53	22	31	30	40
5F	5E	5D	5C	5B	5A	59	58	57	56	55	44	63	32	42	50	60
6F	6E	6D	6C	6B	6A	69	68	67	66	65	54	E3	52	41	51	E0
EF	EE	ED	EC	EB	EA	E9	E8	E7	E6	E5	64	73	62	61	E1	70
7F	7E	7D	7C	7B	7A	79	78	77	76	75	E4	F3	E2		71	
FF	FE	FD	FC	FB	FA	F9	F8	F7	F6	F5	F4	74	72		F0	

Keyboard Printout Matrix

When you use Program 50 to print out your keyboard layouts, the system uses a numbering system to identify the positions. The following chart lists the codes associated with each of the positions.

Note: The four fixed key positions in the upper right corner (Receipt Feed, Journal Feed, Cursor Up, and Cursor Down) do not appear on your Self-Test printout.

000	010	020	030	040	050	060	070	080	090	100	110	120				
001	011	021	031	041	051	061	071	081	091	101	111	121				
002	012	022	032	042	052	062	072	082	092	102	112	122	130	138	144	152
003	013	023	033	043	053	063	073	083	093	103	113	123	131	139	145	153
004	014	024	034	044	054	064	074	084	094	104	114	124	132	140	146	154
005	015	025	035	045	055	065	075	085	095	105	115	125	133	141	147	155
006	016	026	036	046	056	066	076	086	096	106	116	126	134	142	148	156
007	017	027	037	047	057	067	077	087	097	107	117	127	135	143	149	157
008	018	028	038	048	058	068	078	088	098	108	118	128		136		150
009	019	029	039	049	059	069	079	089	099	109	119	129		137		151

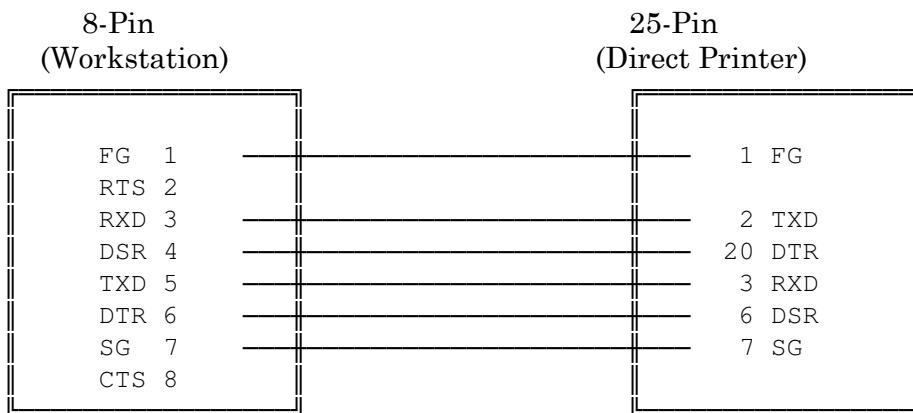
Cable Pin-Outs

Use the following pin-outs for cable connection to RS-232C Channel 1 (CH1), Channel 2 (CH2), and Channel 3 (CH3), as needed.

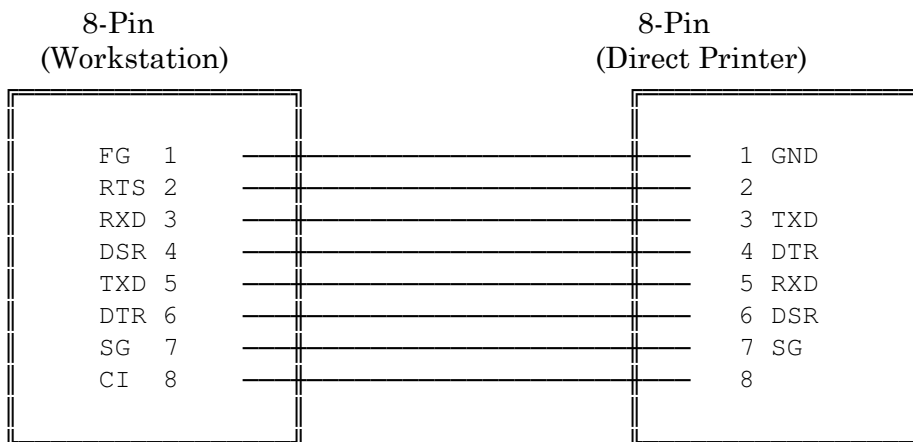
Channel 1 (CH1) Pin-Outs

Use the following pin-outs for cables connected to workstation RS-232 Channel 1.

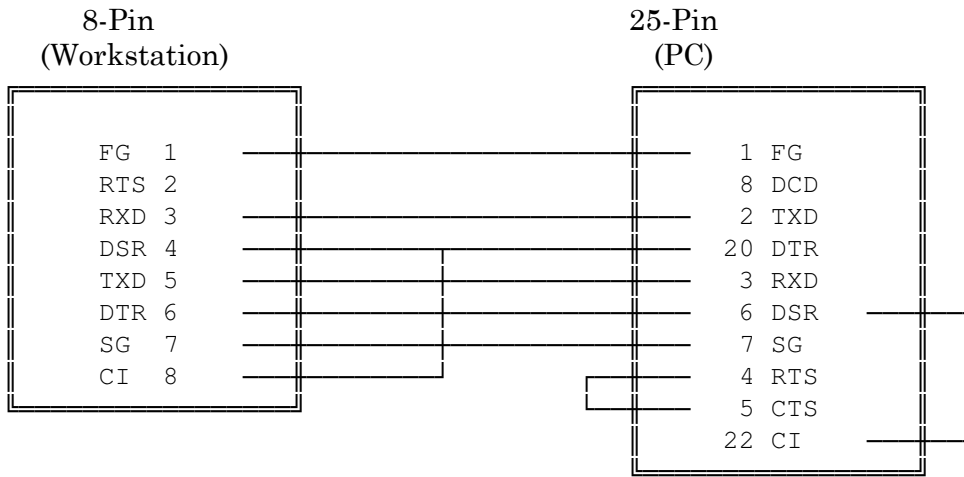
Direct Printer (P100WPRJ, P100WP) & PC Loader:



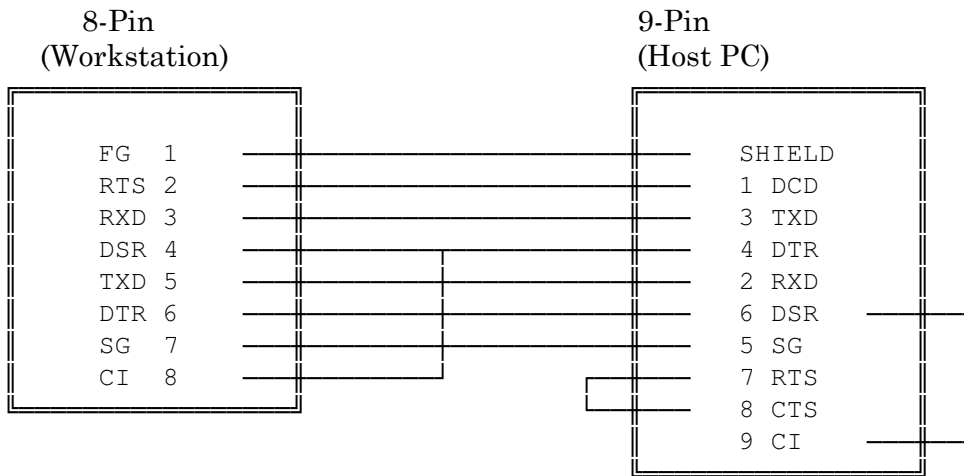
Thermal Printer (JS800TP)



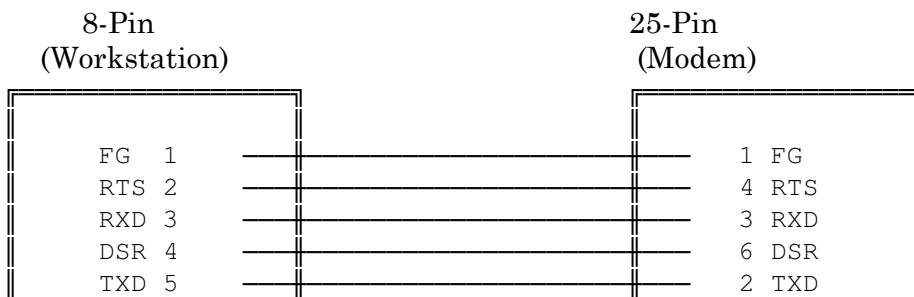
Host Polling (CH1 Direct Connect)

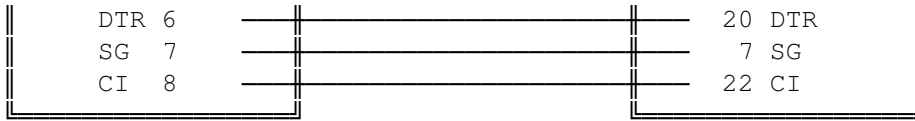


Host Polling (CH1 Direct Connect)

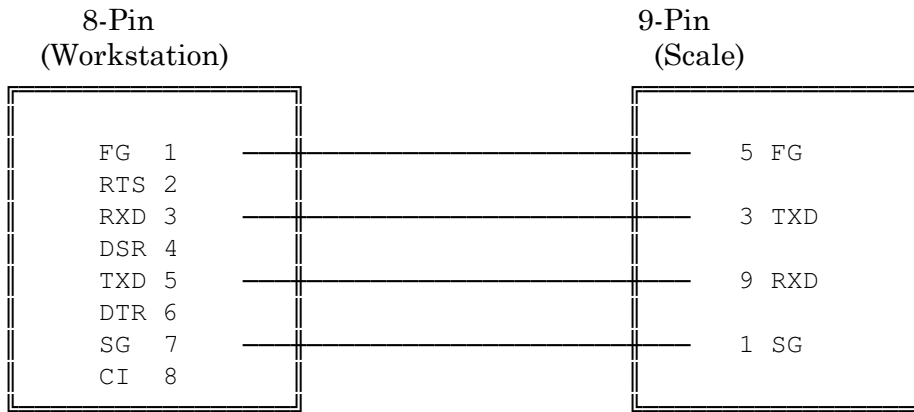


Host Polling (CH1 Modem)

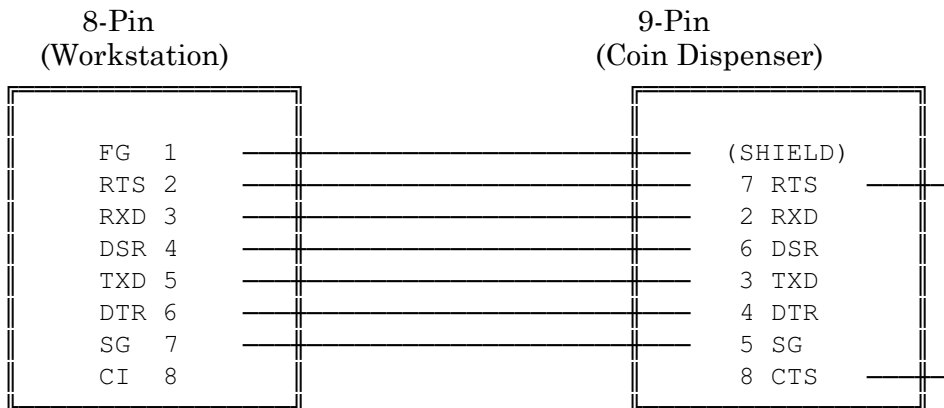




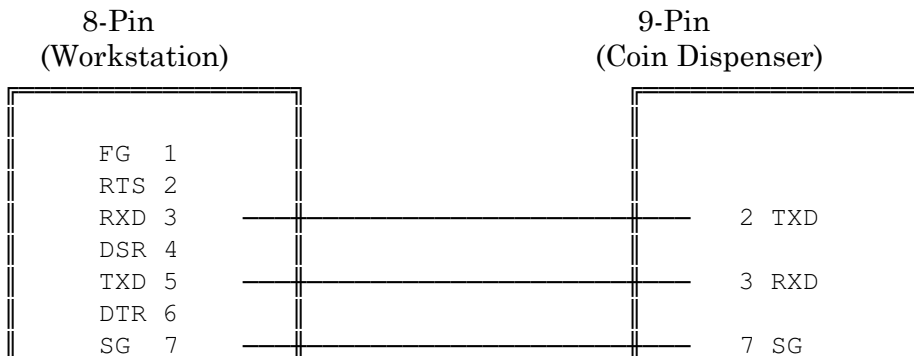
Scale Interface (CH1 Direct Connect)



Coin Dispenser (Telequip)



Coin Dispenser (Brandt Model 583)

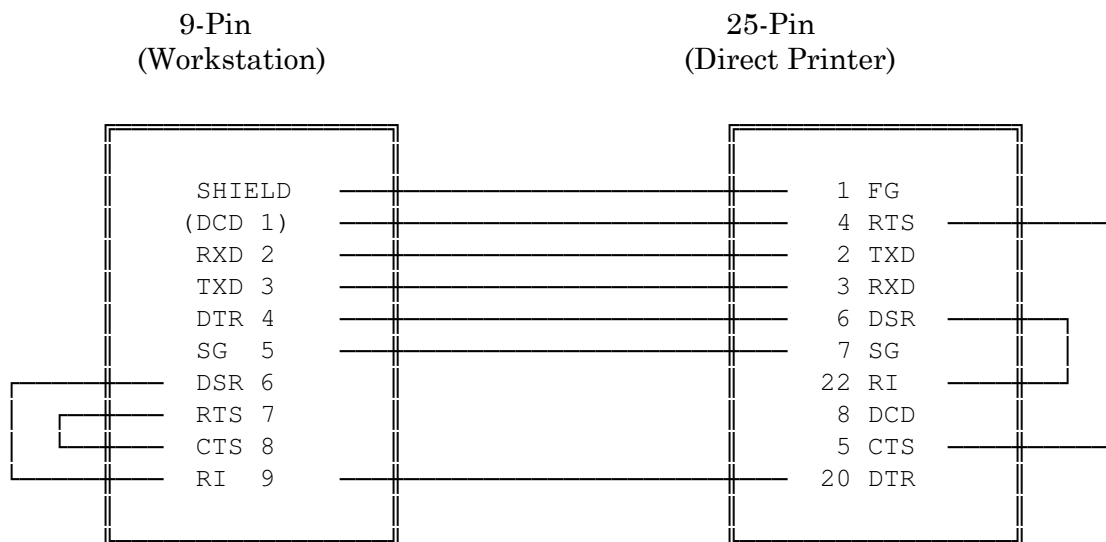




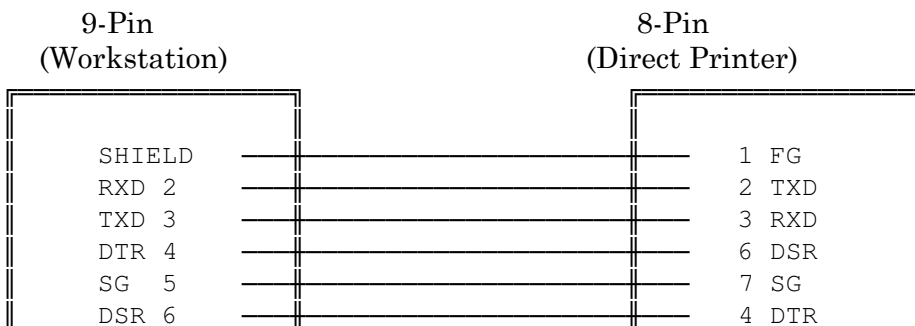
Channel 2 (CH2) Pin-Outs

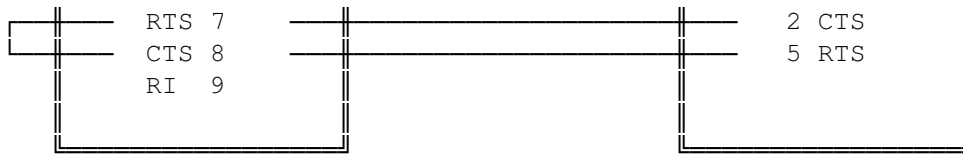
Use the following pin-outs for cables connected to optional RS-232C Channel 2.

Direct Printer (P100WPRJ, P100WP), PC Loader, & Host (Direct Connect)

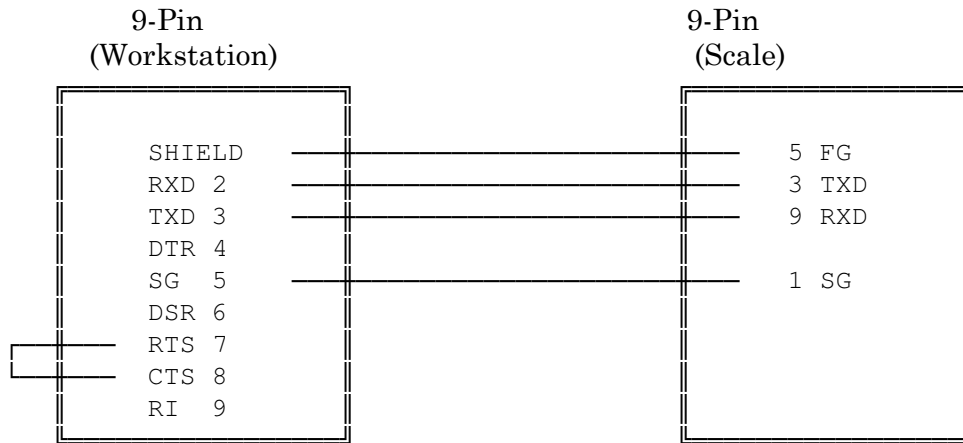


Thermal Printer (JS800TP)

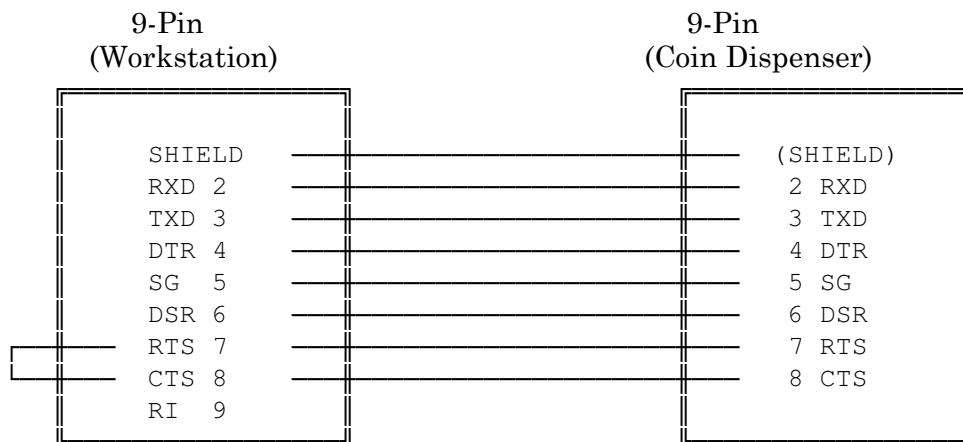




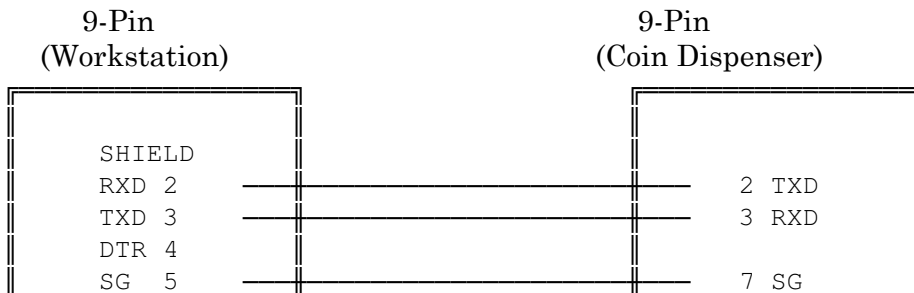
Scale Interface (CH2)

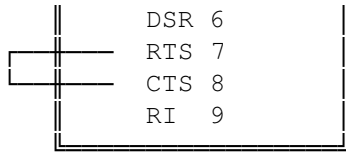


CH2 Coin Dispenser (Telequip)



CH2 Coin Dispenser (Brandt Model 583)



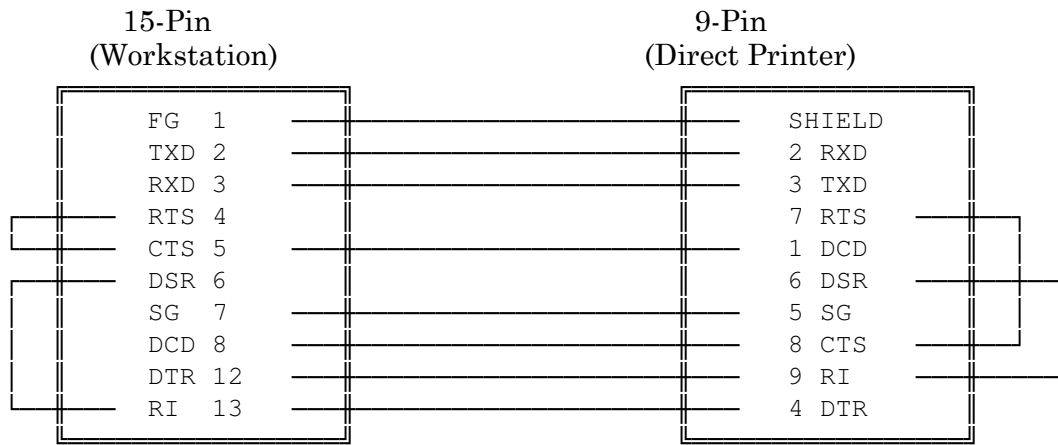


Channel 3 (CH3) Pin-Outs

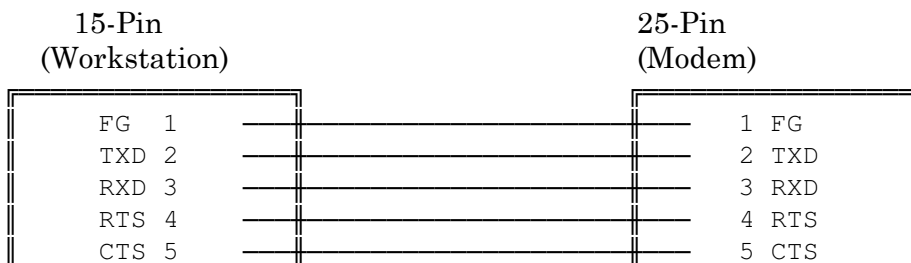
Direct Printer (P100WPRJ & P100WP)

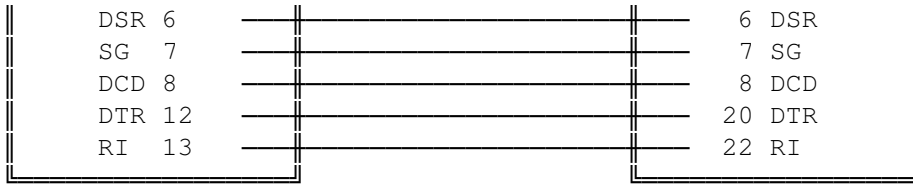


Thermal Printer (JS-800TP)

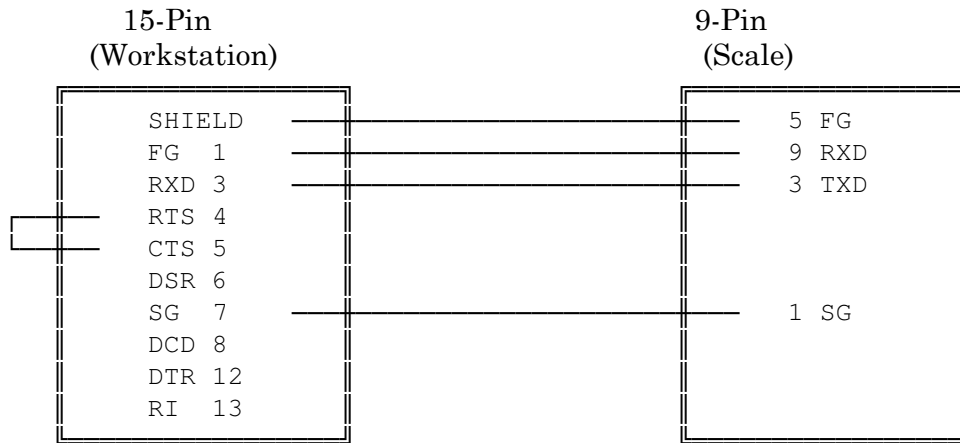


Host Polling (Modem)

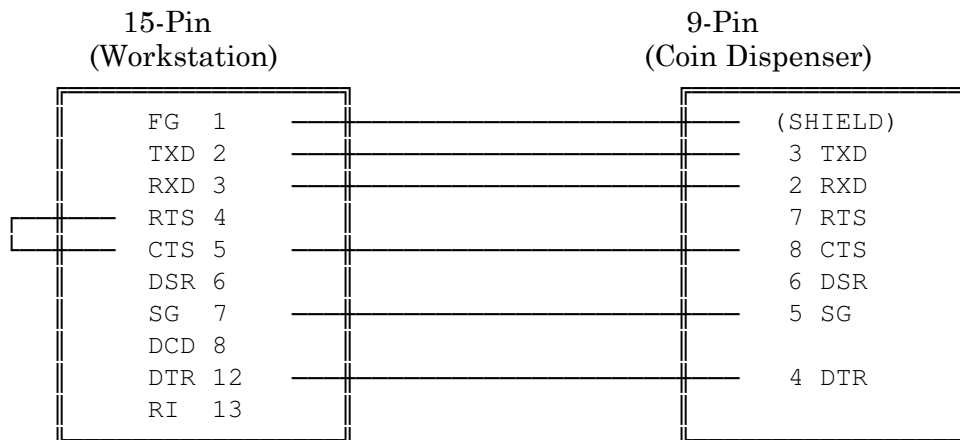




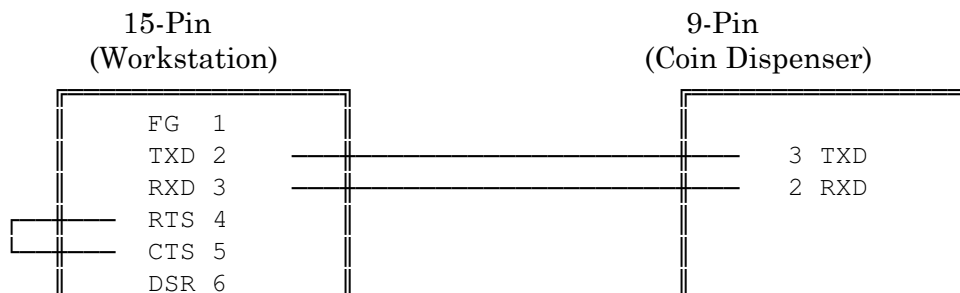
Scale Interface (CH3 Direct Connect)

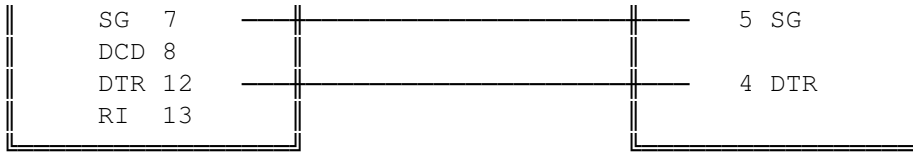


CH3 Coin Dispenser (Telequip)



CH3 Coin Dispenser (Brandt Model 583)





Entering the Program

The Programming Section of this manual describes the steps you follow to write the application program. After you complete the worksheets, you are ready to enter the program. This section covers the steps you use to enter the application program. It includes:

- Sequences for the P2 Mode Programs.
- X1 Mode Programs
- Program Printouts
- Downlining the Program
- Program Back-Up

Many of the programs are available in P1 Mode for restaurant access. This manual is concerned primarily with the P2 Mode sequences for worksheet entries. P1 Mode programming sequences are covered in the 5000 Series Operating Instructions Manual.

Suggested Programming Order

Before you begin programming, execute the RAM Clear command to erase any existing program data. After RAM Clear, you can perform any or all of the self-tests to make sure that your workstations ready to accept the program. These procedures are described in the Set-Up Section of this manual.

Enter your selections from the program worksheets in the following suggested order.

1. *Keyboard Layout*
2. *P21 Memory Allocation*
3. *P21 Report Totals*
4. *P23 Tax Tables*
5. *P24 System & Miscellaneous Flags*

You can enter data for the remaining programs (P25 through P56) in any order you prefer. You must enter PLU numbers in Program 27 before you can access the PLU in Program 35.

After you enter the program at the System Master, you can use Program 50 (P50) to print a hard copy of your entries for proofing or filing. This program, covered later in this section, allows you to print your entries in each of the files.

When you are satisfied with your program, use Program 60 to downline the information to all additional workstations on the system.

P2 Mode Sequence Overview

When you are ready to enter your application program, go to the workstation that acts as the System Master and turn the keylock to P2 Mode. P2 Mode has five pages of menus. The first of these menus is shown below.

```
20 SELF TEST                               11:15 LVL1
21 MEM ALLOC                               *** P2 MODE ***
22 DEFLT LOAD
23 TAX TABLE
24 FLAGS/MACRO
25 DESCRIPT
```

The "Mode" menus are the main menus within each of the screens. They list all related programs and functions available. Under the P2 Mode menu, you see a list of all available system programs. In the P1 Mode, a subset of P2 Mode, you can find all restaurant level programs. MGR Mode includes an X1 Mode menu, with reports and daily programs, and a Z1 Mode menu you use to reset reports.

Many of the mode menus have more than one page or screen. You use the Cursor Up and Cursor Down keys to move between the pages. In the P2 Mode menu, for example, the first page lists Programs 20 through 25. Press Cursor Up to advance in the menu. If you press Cursor Up six times, you see a completely new set of programs.

```
26 TIME RANGES                             11:15 LVL1
27 PLU ADD/DLT                             *** P2 MODE ***
28 PRODUCT MIX

30 MESSAGES
31 CASHIERS
```

Each screen lists the numbers associated with the P2 Mode programs. The programs are listed in sequential order. If you already know the number of the program you need, simply

enter the program number and press CASH. The screen advances to your selection. If you enter '31 CASH' from the above screen, for example, you go into the Cashier menu.

Data Entry Procedures

Once you access the program you need, you can begin entering the worksheet data. In most programs, you use the CASH, CSHR, and SBTL keys to enter your selections. In the Coupon program (P36), for example, enter the coupon descriptor with the CASH key, the coupon status with the CSHR key, and the coupon amount with the SBTL key. If you only need to change the coupon amount, enter the new amount and press the SBTL key. You do not need to re-enter the other options.

Some programs use keys that apply specifically to the program. When you reach a screen requiring input, sequence prompts display beneath the menu name. These prompts describe steps and keys you will use to continue within the program. Because screen space is limited, the steps are abbreviated.

Generally, prompts that signal keys you press are indicated with a 4-character abbreviation. Prompts that signal a data entry are shown in parentheses. The following charts describe the abbreviations.

Key Abbreviations

Abbreviation	Description
CASH	Cash key. ("CA" may also be used to describe the Cash key)
CPN	Coupon Key (COUP 1, COUP 2, or COUP3)
CSHR	Coded Cashier or Preset Cashier Key
GCK	Check Recall/PB Key
PLU	PLU Code or Preset PLU Key
SBTL	Subtotal Key
SRVR	Coded Server Key or Preset Server Key
TERM#	Terminal # Key
VOID	Void Key

Data Entry Abbreviations

Abbreviation	Description
(N)	A numeric entry that is a single-digit number.
(N2N1)	A 2-digit number entry. N2 represents the Most Significant Digit and N1 represents the Least Significant Digit of the entry.
(N4N3N2N1)	A 4-digit number entry. N4 is the Most Significant Digit of your entry and N1 is the Least Significant Digit.
(CODE)	Report Total Code, Cashier Secret Code, or Secret Server Code.
(CSH#)	Cashier Number.
(CPN)	Coupon.
(DSCRPT)	Descriptor.
(END)	Ending Number in a Sequence.
(GCK#)	Guest Check Number.
(HHMM)	Time. (A 2-digit Hour and 2-digit Minute entry).
(LINE#)	Menu Line Number.
(M-GRP#)	Major Group Number.
(MMDDYY)	Date (2-digit Month, 2-digit Day, 2-digit Year).
(PRICE/H)	Price or High-Amount Lock-Out (HALO) Limit.
(RCP#)	Recipe Number.
(S-GRP#)	Subgroup (Minor Group) Number.
(SRV#)	Server Number.
(TERM #)	Terminal (workstation) Number for Remote Reports and Downlining.

You can use these abbreviations as a quick guide through the program steps. The worksheets are also a good source of information for the steps you need to follow within each of the programs.

Descriptor Entries

You can enter descriptors with descriptor codes or with the alphanumeric keyboard. If you want to activate the alpha keyboard, press ALPHA SHIFT and type a name or description. With the descriptor codes, you translate your description into the ASCII codes. Then simply enter the codes and press CASH.

The Descriptor Codes are provided below. If you are using the Alpha Keyboard, refer to the chart on the following page.

Descriptor Codes

Alpha Codes	Numeric Codes
A = 41H = 50O = 60V = 660 = 20	7 = 27
B = 42I = 51P = 61W = 671 = 21	8 = 28
C = 43J = 52Q = 62X = 702 = 22	9 = 29
D = 44K = 53R = 63Y = 713 = 23	
E = 45L = 54S = 64Z = 724 = 24	
F = 46M = 55T = 655 = 25	
G = 47N = 56U = 656 = 26	
Miscellaneous Codes	
SPACE (blank) = 00\$ = 04* = 12: = 32@ = 40	
Double Wide = 88% = 05+ = 13; = 33[= 73	
Leading Space = 99& = 06, = 14< = 34/ = 74	
! = 01' = 07- = 15= = 35] = 75	
" = 02(= 10. = 16> = 36^ = 76	
# = 03) = 11/ = 17? = 37- = 77	

Alpha Keyboard Layout

												RCPT Stop	Receipt Feed	Journal Feed		
												LCD	Cursor Up ↑	Cursor Dn ↓		
Double Space																
	{	}	:	"	<	>	?	Clear		Backspace						
_	!	@	#	\$	%	^	&	*	()	-	+	Clear			
'	1	2	3	4	5	6	7	8	9	0	.	=	7	8	9	
	Q	W	E	R	T	Y	U	I	O	P	[]	4	5	6	
	A	S	D	N	F	G	H	J	K	L	;	'	1	2	3	SBTL
	Z	X	C	V	B	N	M	,	.	/	\		0			
			SPACE									CASH		CASH		

Note: You can activate this menu by pressing RCPT STOP within any of the descriptor steps. When you press one of the CASH keys after an entry, your keyboard returns to the normal application definition.

Program Exit

The CASH key is always your last entry within a programming procedure. If you press CASH without a number, the screen returns to the nearest Mode Menu. In some screens, you can also use the CLEAR key. The guidelines for the CASH and CLEAR keys are provided here.



When preceded by a numeric entry, CASH moves you to the screen associated with your selection. If you are in a screen that requires data entry, CASH inputs your data selection.



When pressed without a number, CASH takes you out of the current screen and returns you to the previous Mode Menu.



When pressed after an error, CLEAR removes the error message and allows you to re-enter the data.



When pressed after an accepted data entry, CLEAR exits the current screen and calls up the previous subscreen.

If, for example you press 20 CASH, the screen displays the Self-Test menu. At this point, if you press 1 CASH, you go into the LCD Test. After the test, you can press CLEAR to go back to the Self-Test menu, or you can press CASH to go back to the P2 Mode Menu.

Note: You must always return to the main Mode Menu before you can turn the workstation keylock.

X1 Mode Programs

After you enter the P2 Mode programs, you can turn the keylock to MGR Mode to enter the X1 Mode programs. Because these programs consist of a single line of data, worksheets are not required. They are listed under the MGR Mode menu so restaurant personnel can make changes, as needed.

The programs listed in X1 Mode include PLU Shift Level, Starting Order #, Remote Steering, Drawer Assignment, Server Enable/Disable, and Starting Guest Check. Descriptions for each of these programs are provided on the next several pages.


PLU Shift Level

The PLU Shift Level Program allows you to set a specified shift level as the background for PLU item entry. You can select any of ten (0-9) shift levels in this program. If you set a shift level in this program, the selected shift level modifies PLU entries in every transaction.

Important: The PLU Shift program works only if your PLU File is programmed to accept shift levels. If the PLU File does not allow the shift level you select, "INVALID ENTRY" displays every time you attempt to register an item.

1. Turn the keylock to MGR Mode.

2. Select the X1 Program option.

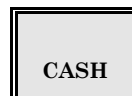


displays the X1 Shift.

3. When the screen Programs, select PLU

4. Enter the new shift level number (0-9). The screen displays your new level selection.

[PLU Level #]



5. Press CLEAR to go to the X1 Mode menu.



6. Press CASH to exit to the MGR Mode menu.



Starting Order Number

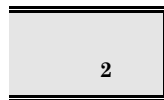
If you are using order numbers (as opposed to guest check numbers), you can use X1 Mode Program 2 to reset the order number to #1. Order numbers advance with each transaction, and roll over when they reach #99. To change the current order number, use the following procedure at each workstation.

1. Turn the keylock to MGR Mode.

2. Select the X1 Program option.



3. When the screen displays the X1 Programs, select the Starting Order # program.



4. Enter the new order number. You can enter any number between 1 and 99.

[order #]



Note: Zero (0) is not a valid entry for this number. The most significant digit of the order number is derived from the Workstation ID. Workstation #1 issues order numbers 101-199, Workstation #2 issues numbers 201-299, etc.

5. Your entry displays on the screen. When you are ready to leave this menu, press CASH twice to return to MGR Mode.

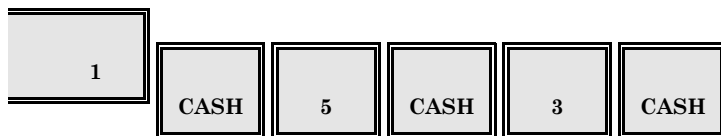


Remote Steering

Steer Flags are assigned to menu items in the PLU (P35) program. After you assign steer flag options, you can use X1 Mode Program 3 to direct the Steer Flags (S.F.) to the appropriate printer or video. This option is provided in X1 Mode so restaurant personnel can change the assignments, as needed.

Note: You can also enter steering assignments in the Miscellaneous Flags.

1. Turn the keylock to MGR Mode.
2. Use the following sequence to go into the Remote Steering program.



Note: The screen displays three sets of entries. Follow the instructions in

Step 3 to direct steer flags to a remote printer. Use Step 4 and Step 5 to direct steer flags to a Kitchen Video monitor.

3. Six positions correspond to Steer Flags 6 through 1. The most significant digits represent Steer Flag 6 and the least significant digits represent Steer Flag 1. For each position, enter the number of the Printer or the Shared Printer to which the Steer Flag is directed.

A B C D E F



- A - enter the Printer # for Steer Flag 6
- B - enter the Printer # for Steer Flag 5
- C - enter the Printer # for Steer Flag 4
- D - enter the Printer # for Steer Flag 3
- E - enter the Printer # for Steer Flag 2
- F - enter the Printer # for Steer Flag 1

Note: Enter '00' for any positions (A-F) you are not using. Enter 81-86 to direct the steer flag to a printer number. If, for example, Steer Flag 1 should report to Printer 2, enter '82' in the last position (F).

5. If you have directed Steer Flags to a Monochrome Kitchen Video System, you must identify the monitor that receives items with each Steer Flag. The six digits in this entry correspond to Steer Flags 1-6, as shown below.

 A B C D E F



- A - enter the KVS ID # for Steer Flag 6
- B - enter the KVS ID # for Steer Flag 5
- C - enter the KVS ID # for Steer Flag 4
- D - enter the KVS ID # for Steer Flag 3
- E - enter the KVS ID # for Steer Flag 2
- F - enter the KVS ID # for Steer Flag 1

Note: Enter a zero for A-F positions you are not using. Enter 1 for Monochrome KVS Screen #1, 2 for Monochrome KVS Screen #2, etc.

4. The six digit positions in the third option correspond to Color KVS Steer Flags 6 through 1.

Enter the number of the Color KVS screen (0-9) to which the Steer Flags are directed. For example, if you want to direct Steer Flag 3 items to Color KVS Screen #4, enter 4 in Position C.

 A B C D E F



- A - enter the KVS # for Steer Flag 6
- B - enter the KVS # for Steer Flag 5
- C - enter the KVS # for Steer Flag 4
- D - enter the KVS # for Steer Flag 3
- E - enter the KVS # for Steer Flag 2
- F - enter the KVS # for Steer Flag 1

Note: Enter 0 for Steer Flag positions (A-F) you are not using or for Steer Flags you are directing to a Remote Printer.

6.To return to the X1 Mode Menu, press CASH.



7.To return to the MGR Mode Menu, press CASH.



Note: The Remote Printer numbers you enter in this program are defined by dip switch selection (see Remote Assignment). The KVS Monitor numbers are defined in the KVS controller.

Remote Steering Notes

Several steps and several programs are involved with Remote Steering. In Program 35, you select Steer Flag options for the menu items. The Steer Flags are then directed to the remote printer or video in the X1 Mode Remote Steering program or Flags 245, 246 and 261. An additional System Flag, Flag 136, affects the item steering.

Flag 271 gives you control over condiment and modifier steering. There are two steering methods available for condiments and modifiers. If Option C is 1, "combined" steering is activated. If Option C is set to 0, "independent" steering is activated. Refer to the appropriate description.

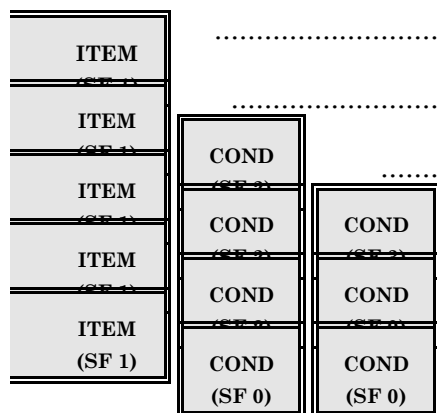
Combined Steering (P24, Flag 271C = 1)

If you are using Combined Steering, items entered with a preparation instructions or condiments are directed by the Steer Flag encountered in the key sequence. They appear together on the Remote Device. You can assign a Steer Flag value of '0' to any condiment or preparation that should not override the Steer Flag of the item.

Example: Steer Flag (S.F.) 1 is directed to Remote #1, S.F. 2 to Remote #2, and S.F. 3 to Remote #3. [X1 Remote Steering = 000321].

Key sequence(s)

Item & Condiments
report to ...



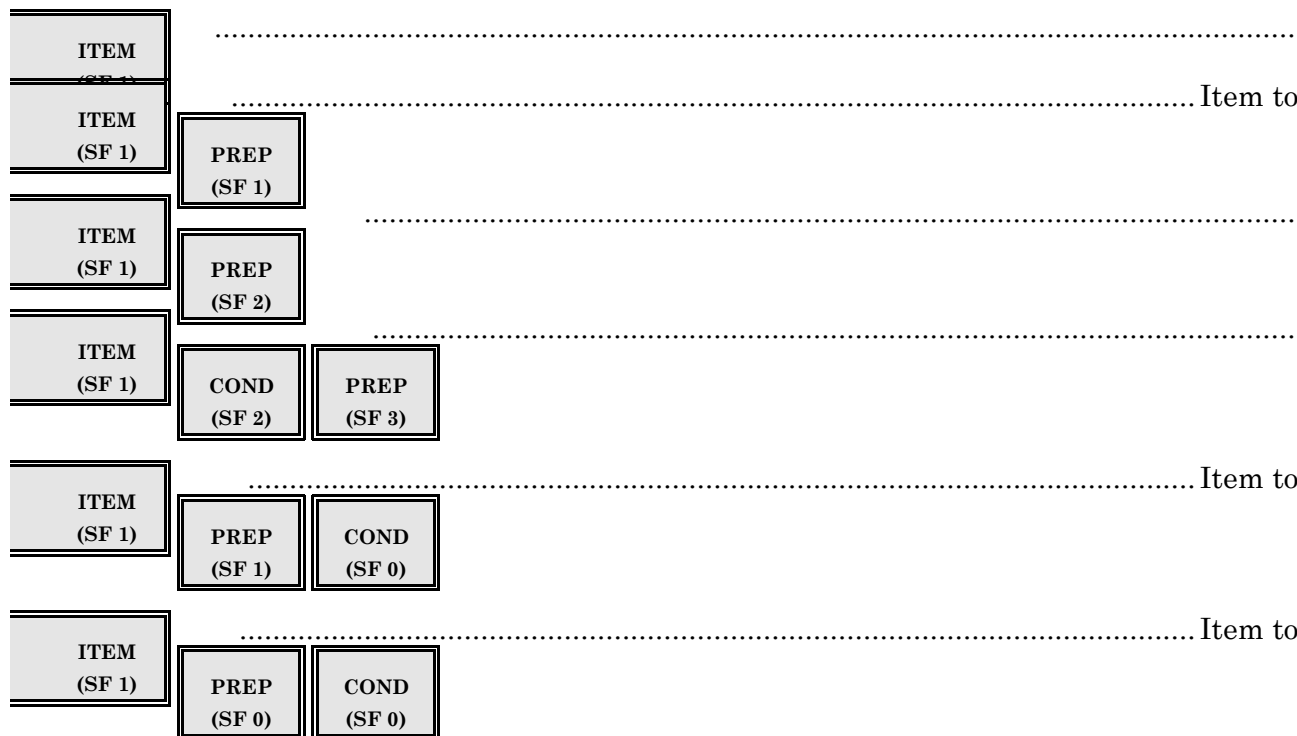
Independent Steering (P24, Flag 271C= 0)

If you are using Independent Steering, items and condiments must both be assigned Steer Flags, if they are to appear on the Remote Device. The condiment does not override the item Steer Flag, and the item does not affect the steering of the condiment. They do not necessarily appear together on the Remote Device. If you assign a value of '0' in P35, the item/condiment will not be relayed to the Remote.

Independent steering is not available for KVS Systems using KPS Mode.

Example: Steer Flag 1 is directed to Remote Device #1, Steer Flag 2 to Remote #2, and Steer Flag 3 to Remote #3. The X1 Remote Steering Program = 000321.

Key sequence *Item / Condiment / Prep reports to ...*

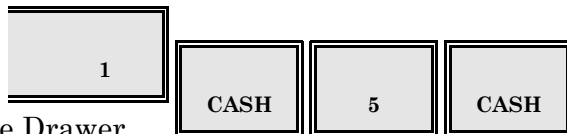


Drawer Assignment

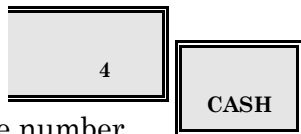
In a two-drawer system, you use X1 Mode Program 4 to assign the drawer to a cashier. When the cashier logs on, the system checks this program to determine which drawer should be activated. Use the following procedure for drawer assignment.

1. Turn the keylock to MGR Mode.

2. Select the X1 Program option.



3. Select the Drawer Assignment program.



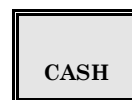
4. Enter the number of the cashier you are assigning.

[cashier #]



5. Enter '0' if this cashier is using Drawer A. Enter '1' if this cashier is using Drawer B.

[0 or 1]



6. When you are ready to leave this program, press CASH once to exit to the X1 Mode Menu. Press CASH twice to exit to the MGR Mode Menu.

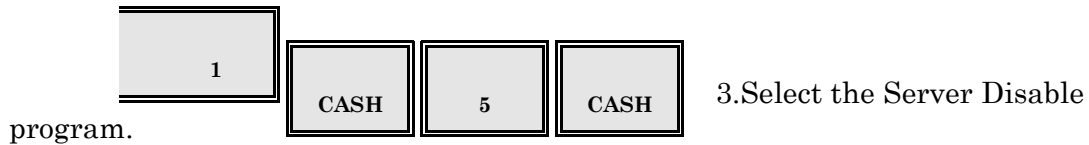


Server Disable

Use X1 Mode Program 5 to help prevent unauthorized use of specific server numbers. The numbers you enter in this program cannot be used for daily operations until they are re-enabled. Use the following procedure to disable or enable a server number.

1. Turn the keylock to MGR Mode.

2. Select the X1 Program option.



4. The screen advances to the Server Disable menu. Follow Procedure a or b,



a) To Disable the Server Number:

[server #]

b) To Enable the Server Number:

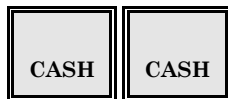


[server #]

Note: Server numbers you disable with this program (or with System Close) remain disabled until you re-enable them with this program.



5. When you are ready to exit to MGR Mode Menu, press CASH twice.



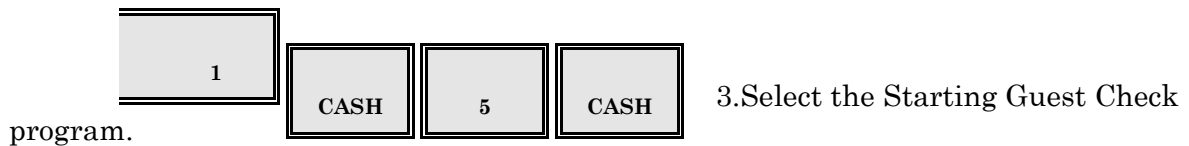
Starting Guest Check Number

System-assigned Guest Check numbers start at #1 and continue through #99999999. If the numbers become too lengthy to handle conveniently, you can use X1 Mode Program 6 to issue a new starting number. This program should only be used when there are no open guest checks in the file.

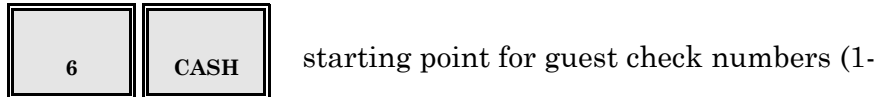
Note: If your establishment accepts phone orders, you can set the system to open a new Guest Check by manually entering the phone number of the customer placing the order. To allow Phone Number-Assigned Guest Checks, set Misc. Flag 252 H= 6. Then you must set key code 64 to work as a PHONE ORDER key.

1. Turn the keylock at the System Master to X1 Mode.

2. Select the X1 Program option.



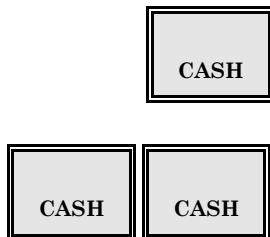
4. Enter the new starting point for guest check numbers (1-99999999).



Important: Make sure there are no open guest checks.

[guest check #]

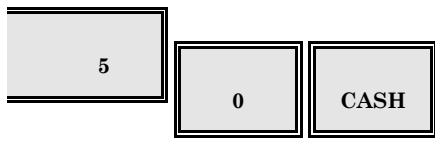
5. Press CASH to exit.




P50 Program Printouts

Program 50 lets you print a copy hard copy of your file entries. Use this procedure to check your entries or to file for future reference.

1. Turn the keylock to P2 Mode.
2. Select the Program Printout option.

print.  3. Enter the number of the file you want to

[file #]



Print-Out File #

0 =Cashier File 11 =System Descriptors
 1 = Server File 12 =Report Totals
 2 =Groups/PLUs 13 =Negative File
 3 = Coupon File 14 =Keyboard
 4 =Product Mix Groups 15 =Memory Allocation
 5 =Message & Error Prompts 16 =Store & Forward
 6 =KPS Standard Menu 17 =Recipe File
 7 =Time Ranges 18 =Ingredient File
 8 =Tax Tables 19 =Employee File
 9 =System Flags 20 =Pay Rates
 10 =Misc Flags & Macros 21 =Tare Weight

Note: An asterisk () beside a Server # indicates the server number is disabled. For PLU printouts, enter the beginning and ending PLU #.*

4. When you are ready to exit to the P2 Mode Menu, press CASH.



P60 Downline Programming

Use the Downlining function to send program information from one workstation to another. You can send specified files to all workstations (or to a specific workstation) with the procedures outlined on the next pages. The Downline Function Numbers you use for this program are listed below.

Note: • Downline functions available in P1 Mode are shown with an asterisk (*).

Downline Function File #	
0 = Date & Time*	12 = Report Totals
1 = Subgroups*	13 = Memory Allocation
2 = All PLUs*	14 = Tare Weight Tables*
3 = Cashiers*	16 = Major & Summary Groups*
4 = Product Mix Groups*	20 = KPS Standard Menu*
5 = Prompts & Error Messages*	21 = Master Files*
6 = Tax Tables	30 = Server File*
7 = System Flags	31 = Negative File
8 = Misc Flags & Time Ranges	32 = GCK Download
9 = Coupons*	33 = GCK Recovery
10 = System Descriptors	40 = KVS
11 = Keyboard	Individual PLU = (PLU#) PLU

Downlining to Programmed Workstations

1. Turn the keylock to P2 Mode.
2. Select the Downlining program: 60 CASH
3. Enter the downline function number, press CASH. If you have made changes to Memory Allocation, you must downline Memory Allocation first. When a file is successfully downlined, you see an asterisk (*) displays next to the function number.

Note: Memory Allocation (13) does not downline parameters specific to the System Master.

Important: See the PLU Downlining Procedures before sending the PLU file to an existing program.

4. When all files are successfully downlined, exit to the P2 Mode menu: CASH.

Downlining to Unprogrammed Workstations

At the Receiving Workstations (Terminals):

1. Enter the RAM Clear command.
2. Program the ARCNET ID # in P24, Address 239, Options E and F.
3. Place the receiving workstation in a non-sale state (outside of a sale transaction).

At the Sending Workstation:

1. Turn the keylock to P2 Mode.
2. If not already programmed, enter the ARCNET ID (from P24, Address 239, options E-F).
3. Make sure P24, Flag 226 has been programmed with the correct beginning and ending ARCNET numbers. Set Flag 227, options A-D to 1020.
4. Downline the Memory Allocation [13 CASH].

Important: When downlining to an unprogrammed workstation, Memory Allocation MUST be downlined prior to all other files. This downline command does not downline parameters specific to System Master.

5. Downline the remaining program files, as needed. After Memory Allocation, you can downline the files in any order. Files that are successfully downlined display an asterisk (*).

(downline function #) CASH

Note: Report Totals are not transmitted or affected by downlining.

6. When you have downlined all needed files, press CASH to exit to the P2 Mode Menu.
7. To go back to MGR Mode, press CASH again.

Downlining to an Individual Workstation

*Note:*A *TERMINAL #* key (key code 73) must be present on the register keyboard.

1. Turn the keylock to P2 Mode.
2. Select the Downlining Program: 60 CASH.
3. Enter the ARCNET # (Flag 239) of the workstation to which the program will be sent:
(ARCNET #) TERM#
4. Enter the downline function #, press CASH.

"COMM START" displays on the receiving workstation number while downlining; "COMM END" displays when communication is finished. An asterisk (*) displays next to all files that are successfully downlined.

5. Repeat Step 4 for each file to be downlined. If an error condition occurs, begin again at Step 3.
6. When all files have been downlined, press CASH to exit to P2 Mode.

*Example:*To downline System Descriptors and Messages from Workstation #1 to Workstation #2:

P2 Mode (on Workstation #1)

```
60 CASH <Downline Program>
_2 TERM# <Workstation receiving this file>
10 CASH <Downlines System Descriptors>
_5 CASH <Downlines Messages>
__ CASH <Exit Downline screen>
```

Downlining the PLU File

If you do not take Z1 and Z2 PLU Accumulations prior to the file additions or deletions, Downlining Command 2 will distort your totals and counts. Read the instructions below before downlining the PLU file.

Changes to the PLU File:

Descriptor, price, group link, and other P35 changes to an existing file do not require Z1 or Z2 Accumulations. The changes can be entered, and the entire PLU file downlined to all other workstations on the system, without damaging your file or the totals.

PLU Additions:

Ideally, Z1 and Z2 Accumulation Reports should be taken before you add items in P27. Under certain circumstances, however, e.g., during store hours, Z Accumulations may not be possible or convenient. You can use the following alternate procedure to bypass the Accumulation reports.

- 1.P27 - Enter the new PLU number(s), then exit the program.
- 2.P35 - Enter the data for the new items, then exit the program.
- 3.P60 - Downline the new PLUs item-by-item with the INDIVIDUAL PLU command; i.e., enter the PLU #, and press the PLU Key or press the Preset PLU key.

Note: Make sure all new PLUs are downlined and the information is received at all workstations to ensure PLU file redundancy. Your totals will be distorted at System Close if the files are not identical system-wide.

PLU Deletions:

You cannot delete PLUs without damage to totals, unless Z1 and Z2 Accumulations are taken. There are no exceptions. Postpone PLU file deletions until the Accumulation Reports can be taken. After the reports, delete the PLUs, and then downline the entire file (Command 2).