



**KITCHEN BRAINS**

Driven by **(FAST)** Networked by **SCK**

# PROGRAMMING INSTRUCTIONS

## MAC-1213 with SLT Timer Bars



### Multi-Process

Save the instructions  
for future reference.  
[www.KitchenBrains.com](http://www.KitchenBrains.com)

24/7 Toll-Free Technical Support  
**1-800-243-9271**  
(from the U.S., Canada and the Caribbean)

PROG-0	1.1 PROGRAMMING			
PROG-1	<b>Enter Programming Sequences:</b>			
	Seq.	Action	Key Press	Display
	1	Press and Hold Down P key for 3 seconds	P	L1: MAIN MENU L2: Select Meal Menu
NOTE: The main menu has 4 selections Items. There are "Select Meal Menu", "Product Counts", "Programming" and "Exit". Using the UP/DOWN key to scroll through all menu items. The current selected menu item will flash on/off. For menu "Select Meal Menu", if there is one active meal menu, this menu will not be available.				
PROG-2	<b>Programming Meal Menu:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Main programming Menu to "Select Meal Menu". Then Press the P key.	UP/DOWN	L1: MAIN MENU L2: Select Meal Menu
	2	The display 1st line will flash on/off, and shows current meal menu. The 2nd line shows next meal menu or "Exit". The flash line is current selected meal menu.	P	L1: Select Meal Menu L2: ← Breakfast → or L2: ← Lunch → or L2: ← Dinner →
	3	Use LEFT/RIGHT key to select the right Menu item. Each "Meal Menu" (aka: daypart) will have a unique population of products. For example, slots 1-6 might have breakfast related recipes active when "Breakfast" is selected, but when "Lunch" is selected, a new set of lunch recipes (names, setpoints, alarms, etc) are called up and the slots (including SLT's) are re-populated with the "Lunch" menu. Same for dinner. Range: Only the active Meal menu will allow to selecting.	LEFT/RIGHT	L1: Select Meal Menu L2: ← Breakfast → or L2: ← Lunch → or L2: ← Dinner → L2: ← Exit →
4	Select current item the press the P key and exit programming mode.	P	Back to normal operation	
PROG-3	<b>Programming Product Counter:</b>			
	Seq.	Action	Key Press	Display
	1	Press and Hold Down P key for 3 seconds	P	L1: MAIN MENU L2: Select Meal Menu
	2	Uses UP/Down key to scroll the Main programming Menu to "Product Counts" then press the P key	UP/DOWN P → 2	L1: MAIN MENU L2: Product Counts
	3	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 1 DOWN/P → 3	L1: Breakfast L2: Upper Left XXX
	4	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 2 DOWN/P → 4	L1: Breakfast L2: Upper Middle XXX
	5	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 3 DOWN/P → 5	L1: Breakfast L2: Upper Right XXX
	6	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 4 DOWN/P → 6	L1: Breakfast L2: Lower Left XXX
	7	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 5 DOWN/P → 7	L1: Breakfast L2: Lower Middle XXX
	8	Where XXX is number of product counts for breakfast meal menu is cook at current location	UP → 6 DOWN/P → 8	L1: Breakfast L2: Lower Right XXX
9	Use LEFT/RIGHT key to Toggle between YES and NO Default = No.	LEFT RIGHT	L1: Reset Breakfast L2: No (Yes)	

<b>PROG-3 (continued)</b>	10	Save the value and go to next step. If the current selected value is "Yes", then all breakfast product counters are cleared.	UP → 7 DOWN/P → 10	
	11	The total breakfast product counts are not clearable. Where XXXXX is total breakfast count in 100th count.	UP → 8 DOWN/P → 11	L1: Total Breakfast L2: XXXXX * 100
	12	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 10 DOWN/P → 12	L1: Lunch L2: Upper Left XXX
	13	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 11 DOWN/P → 13	L1: Lunch L2: Upper Middle XXX
	14	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 12 DOWN/P → 14	L1: Lunch L2: Upper Right XXX
	15	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 13 DOWN/P → 15	L1: Lunch L2: Lower Left XXX
	16	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 14 DOWN/P → 16	L1: Lunch L2: Lower Middle XXX
	17	Where XXX is number of product counts for Lunch meal menu is cook at current location	UP → 15 DOWN/P → 17	L1: Lunch L2: Lower Right XXX
	18	Use LEFT/RIGHT key to Toggle between YES and NO Default = No.	LEFT RIGHT	L1: Reset Lunch L2: No (Yes]
	19	Save the value and go to next step. If the current selected value is "Yes", then all Lunch product counters are cleared.	UP → 16 DOWN/P → 9	
	20	The total Lunch product counts are not clearable. Where XXXXX is total Lunch count in 100th count.	UP → 17 DOWN/P → 20	L1: Total Lunch L2: XXXXX * 100
	21	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 19 DOWN/P → 21	L1: Dinner L2: Upper Left XXX
	22	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 20 DOWN/P → 22	L1: Dinner L2: Upper Middle XXX
	23	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 21 DOWN/P → 23	L1: Dinner L2: Upper Right XXX
	24	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 22 DOWN/P → 24	L1: Dinner L2: Lower Left XXX
	25	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 23 DOWN/P → 25	L1: Dinner L2: Lower Middle XXX
	26	Where XXX is number of product counts for Dinner meal menu is cook at current location	UP → 24 DOWN/P → 26	L1: Dinner L2: Lower Right XXX
	27	Use LEFT/RIGHT key to Toggle between YES and NO Default = No.	LEFT RIGHT	L1: Reset Dinner L2: No (Yes]
	28	Save the value and go to next step. If the current selected value is "Yes", then all Dinner product counters are cleared.	UP → 25 DOWN/P → 28	
	29	The total Dinner product counts are not clearable. Where XXXXX is total Dinner count in 100th count.	UP → 26 DOWN/P → 1	L1: Total Dinner L2: XXXXX * 100
	30	Once back to Main Menu "Product Counts" scroll to Exit then press the P key.		

<b>PROG-4</b>	<b>Enter Programming Section:</b>												
	<b>Seq.</b>	<b>Action</b>								<b>Key Press</b>		<b>Display</b>	
	1	Press and Hold Down P key for 3 seconds								P		L1: MAIN MENU L2: Select Meal Menu	
	2	Use UP/Down key to scroll the Main programming Menu to "Programming" then press the P key.								UP/DOWN P → 2		L1: MAIN MENU L2: Programming	
	3	The codes will be entered by using the UP/RIGHT key to scroll through 0-9 for each of the four characters of the code. The RIGHT/LEFT key will advance/backspace to the next/previous character.								UP/DOWN RIGHT/LEFT P → 3		L1: Code L2:	
	4	If the code is right, the display shows following programming menu items. They are System, Recipe, Offset, SCK Address, Clock, Base Setting, Prod Library, Slot Assignment, Diagnostics, Test and Exit. Scroll to the mode that is going to be changed then press the P key and follow the below programming information. If the code is not right, then the controller exits programming.								UP/DOWN		L1: PROG MAIN MENU L2: System	
	Below is code access level table:												
		<b>Codes</b>	<b>System</b>	<b>Recipe</b>	<b>Offset</b>	<b>SCK</b>	<b>Clock</b>	<b>Test</b>	<b>Base Setting</b>	<b>Prod Library</b>	<b>Slot Assig</b>	<b>Flash Control</b>	<b>Diagnostics</b>
	<b>Factory</b>	3228	X	X	X	X	X		X	X	X	X	X
	<b>Service</b>	7378			X	X	X					X	X
<b>Manager</b>	6647	X	X		X	X		X	X	X			
<b>Employee</b>	1724		X										
<b>Factory</b>	2222	X	X	X	X	X	X	X	X	X	X	X	
<b>PROG-5</b>	<b>System Programming:</b>												
	NOTE: Somewhere in System programming we need to add the "auto switch" feature "On/Off" so the user can decide if the dayparts are to be switched automatically or manually.												
	<b>Seq.</b>	<b>Action</b>								<b>Key Press</b>		<b>Display</b>	
	1	Use UP/Down key to scroll the programming Menu to System then press the P key.								UP/DOWN P → 2		L1: PROG MAIN MENU L2: System	
2	Use LEFT/RIGHT key to change appliance type. There is at least 20 different appliance types. IE: Store-1, Store-2, Store-3... If the current store type does not equal pervious appliance type and DOWN/P key is pressed, then go to step 3. Otherwise go to step 4. Default = Test-1								LEFT /RIGHT UP → 1 DOWN/P → 3		L1:Store Type L2: ← Store-1 →		
3	Use LEFT/RIGTH key to toggle between YES and NO. Default = NO. If the selection is yes and P key is pressed, then the controller will be reset and reload the default recipe with right appliance type. If the selection is No and P key is pressed, then go to step 4.								LEFT /RIGHT UP → 2 DOWN → 4 P → Reset		L1: Are You Sure? L2: ← NO →		

<b>PROG-5 (continued)</b>	4	Temp Unit: use the LEFT/RIGHT key to Toggle between F and C. Range: F or C Default = F.	LEFT/RIGHT	L1: Temp Unit L2: ← F →
	5	Save Value go to Next	P/DOWN → 6 UP → 2	
	6	Breakfast Menu: use the LEFT/RIGHT key to Toggle between Disable and Enable Range: Disable or Enable Default: NOTE: If all the meal menus are disabled, then the system will force to select dinner menu the current operation meal menu.	LEFT/RIGHT	L1: Breakfast Menu L2: ← Disable →
	7	Save Value go to Next	P/DOWN → 8 UP → 4	
	8	Lunch Menu: use the LEFT/RIGHT key to Toggle between Disable and Enable Range: Disable or Enable Default: NOTE: If all the meal menus are disabled, then the system will force to select dinner menu the current operation meal menu.	LEFT/RIGHT	L1: Lunch Menu L2: ← Enable →
	9	Save Value go to Next	P/DOWN → 10 UP → 6	
	10	Dinner Menu: use the LEFT/RIGHT key to Toggle between Disable and Enable Range: Disable or Enable Default: NOTE: if all the meal menus are disabled, then the system will force to select dinner menu the current operation meal menu.	LEFT/RIGHT	L1: Diner Menu L2: ← Enable →
	11	Save Value go to Next	P/DOWN → 12 UP → 8	
	12	SCK Status Sounds: use the LEFT/RIGHT key to Toggle between Yes and No. Range: Yes or No Default = No	LEFT/RIGHT	L1: SCK Status Sound L2: ← No →
	13	Save Value go to Next	P/DOWN → 14 UP → 10	
	14	SCK Comm Error: use the LEFT/RIGHT key to Toggle between Yes and No. Range: Yes and No Default = No	LEFT/RIGHT	L1: Comm Error Disp L2: ← No →
	15	Save Value go to Next	P/DOWN → 16 UP → 12	
	16	Back to Main Menu		L1: PROG MAIN MENU L2: System
	17	Scroll to Exit then press the P key		

PROG-6	<b>Recipe Programming:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the programming Menu to Recipe then press the P key	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Recipe
	2	Select Programming Recipe: Use LEFT/RIGHT key to select a programming Recipe name from product name library. Where XXXX on the 2nd line is product name. The product name is only 4 characters.	LEFT/RIGHT P/DOWN → 3 UP → 1	L1: Select Product L2: ← XXXX →
	3	Use UP/Down key to scroll the Recipe programming Menu. They are: <b>XXXX All, XXXX Hold Time, XXXX Hold Temp, XXXX Prealarm, XXXX Prea Tone, XXXX Prea Cancel, XXXX Prod Count, and XXXX Exit.</b> Where XXXX is selected product name.	UP/DOWN P → Next	L1: RECIPE MAIN MENU L2: XXXX ALL
PROG-7	<b>Programming Recipe All:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Recipe programming Menu to <b>XXXX All</b> then press the P key. Where XXXX is selected product name.	UP/DOWN	L1: RECIPE MAIN MENU L2: XXXX ALL
	2	Pressed P Key to start Recipe All Programming.	P → 3	
	3	Hold Time: use LEFT/RIGHT key to change its time value. Where XXXX on the 1st line display is Product Name, and XHXX on the 2nd line is Number of hour and number of minutes (IE:9H59). If the time less than 1 hour, the 2nd line shows XX where XX is minutes only. Range: 0 to 9 hour 59 minutes Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Hold Time L2: ← XHXX →
	4	If the current programmed hold time equals 0, then the controller will go to step 1. Otherwise Save Value go to Next.	UP → 2 P/DOWN → 5	
	5	Hold Temp: use LEFT/RIGHT key to change its temp value. Where XXXX on the 1st line display is Product Name and XXX on the 2nd line is set temperature value. Range: 100F to 350F (downloadable) Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Hold Temp L2: ← XXXF →
	6	Save Value go to Next	UP → 3 P/DOWN → 7	
7	Prealarm: use LEFT/RIGHT key to change its time value. Where XXXX on the 1st line display is Product Name and XHXX on the 2nd line is Number of hour and number of minutes (IE: 9H59). If the time less than 1 hour, the 2nd line shows XX where XX is minutes only. Range: 0 to Hold time value. Range: 0 to hold time value. Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Alarm Time L2: ← XHXX →	

<b>PROG-7 (continued)</b>	8	If prealarm time is equals to 0 and P/DOWN key is pressed, then the controller will skip programming prealarm Cancel, and go to step 11. Otherwise save Value go to Next	UP → 5 P/DOWN → 9	
	9	Prealarm Cancel: use LEFT/RIGHT key to change tone pattern value. Where XXXX on the 1st line display is Product Name. Range: Manual or Auto Default: depends on Recipe	LEFT/RIGHT	L1: XXXX ALM Cancel L2: ← Auto →
	10	Save Value go to Next	UP → 7 P/DOWN → 11	
	11	Prealarm Tone: use LEFT/RIGHT key to change tone pattern value. Where XXXX on the 1st line display is Product Name. Range: OFF, Long, Short, Medium, Long Short and Double. Default: depends on Recipe	LEFT/RIGHT	L1: XXXX ALM Tone L2: ← Beep Short →
	12	Save Value go to Next	UP → 9 P/DOWN → 13	
	13	Product Counts: use LEFT/RIGHT key to change its count value. Where XXXX on the 1st line display is Product Name and XXX on the 2nd line is product counts number. Range: 0 to 99. Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Prod Count L2: XXX
	14	Save Value go to Next	UP → 11 P/DOWN → 15	
	15	Uses UP/Down key to scroll the Recipe programming Menu. They are: <b>XXXX All, XXXX Hold Time, XXXX Hold Temp, XXXX Prealarm, XXXX Prea Tone, XXXX Prea Cancel, XXXX Prod Count, and XXXX Exit.</b> Where XXXX is selected product name.	UP/DOWN	L1: RECIPE MAIN MENU L2: XXXX ALL

PROG-8	Programming Recipe Hold Time:			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Recipe programming Menu to <b>Hold Time</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX Hold Time
	2	Use LEFT/RIGHT key to change its time value. Where XXXX on the 1st line display is Product Name, and XHXX on the 2nd line is Number of hour and number of minutes (IE:9H59). If the time less than 1 hour, the 2nd line shows XX where XX is minutes only. Range: 0 to 9 hour 59 minutes Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Hold Time L2: ← XHXX →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	
PROG-9	Programming Recipe Hold Temp:			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Recipe programming Menu to <b>XXXX Hold Temp</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX Hold Temp
	2	Use LEFT/RIGHT key to change its temp value. Where XXXX on the 1st line display is Product Name and XXX on the 2nd line is set temperature value. Range: 100F to 350F Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Hold Temp L2: ← XXXF →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	
PROG-10	Programming Recipe Hold Pre-alarm Time:			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Recipe programming Menu to <b>XXXX Prealarm</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX Prealarm
	2	Use LEFT/RIGHT key to change its time value. Where XXXX on the 1st line display is Product Name and XHXX on the 2nd line is Number of hour and number of minutes (IE: 9H59). If the time less than 1 hour, the 2nd line shows XX where XX is minutes only. Range: 0 to Hold time value Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Prealarm L2: ← XHXX →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	



PROG-11	Programming Recipe Hold Pre-alarm Tone volume:			
	Seq.	Action	Key Press	Display
	1	Uses UP/Down key to scroll the Recipe programming Menu to <b>XXXX Prea Tone</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX ALM Tone
	2	Prealarm Tone: use LEFT/RIGHT key to change tone pattern value. Where XXXX on the 1st line display is Product Name. Range: OFF, Long, Short, Medium, Long Short and Double. Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Prea Tone L2: ← Beep Off →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	
PROG-12	Programming Recipe Hold Pre-alarm Cancel Method:			
	Seq.	Action	Key Press	Display
	1	Uses UP/Down key to scroll the Recipe programming Menu to <b>XXXX Prea Cancel</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX ALM Cancel
	2	Use LEFT/RIGHT key to toggle between Auto and Manual. Where XXXX on the 1st line display is Product Name. Range: Auto and Manual Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Prea Cancel L2: ← Auto →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	
PROG-13	Programming Recipe Hold Product Counts:			
	Seq.	Action	Key Press	Display
	1	Uses UP/Down key to scroll the Recipe programming Menu to <b>XXXX Prod Count</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX Prod Count
	2	Use LEFT/RIGHT key to change its count value. Where XXXX on the 1st line display is Product Name and XXX on the 2nd line is product counts number. Range: 0 to 99. Default: depends on Recipe	LEFT/RIGHT	L1: XXXX Prod Count L2: ← XXX →
	3	Save programming value and back To programming Recipe Menu.	UP → 1 P/DOWN → 1	

PROG-14	<b>Programming Recipe EXIT:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Recipe programming Menu to <b>XXXX Exit</b> then press the P key. Where XXXX is selected product name.	UP/DOWN P → 2	L1: RECIPE MAIN MENU L2: XXXX Exit
	2	Back to programming Menu. They are: System, Recipe, Offset, SCK Address, Clock, Base Setting, Prod Library, Slot Assignment, Diagnostics, Test and Exit.		L1: PROG MAIN MENU L2: Recipe
PROG-15	<b>Programming Actual Temperature Offset:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Main programming Menu to Temp Offset then press the P key.	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Temp Offset
	2	Uses LEFT/RIGHT to change it value. Range: -20F to +20F (-11C to +11C) Default = depends on Appliance Where X on the 1st line is the Probe ID number and XX on the 2nd line is the temperature offset value in temp unit F or C.	LEFT/RIGHT	L1: Base Up Offset L2: ← XXF or XXC →
3	Save current programming value and go to next step. Following are programming offset order: Base Up, Base Low, Up Left, Up Middle, Up Right, Low Left, Low Middle, and Low Right. If current system is 2*2, then the Up and Low middle offset are skipped. If the UP key is pressed and current probe is the 1st one, then it will go to step 1. Otherwise it will go to step 2 for pervious probe. If the P/DOWN key is pressed and there is only one probe or current probe is the last one, then it will go to step 1. Otherwise it will go to step 2 for next probe.	P/DOWN/UP		

PROG-16	Programming Base Setting:			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Main programming Menu to Base Setting then press the P key	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Base Setting
	2	Uses LEFT/RIGHT to change its value. Range: 100F to 350F (downloadable) Default = depends appliance	LEFT/RIGHT	L1: Upper Base L2: ← XXXF/C →
	3	Save Value go to Next	UP → 1 P/DOWN → 4	
	5	Uses LEFT/RIGHT to change its value. Range: 100F to 350F (downloadable) Default = depends appliance	LEFT/RIGHT	L1: Lower Base L2: ← XXXF/C →
	5	Save Value go to Next	UP → 2 P/DOWN → 1	

<b>PROG-17</b>	<b>Programming Product Library:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/Down key to scroll the Main programming Menu to Prod Name Lib then press the p key.	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Prod Name Lib
	2	Uses LEFT/RIGHT key to select the right product Library function. They are: <b>Delete, Modify, Add New and Exit.</b>	LEFT/RIGHT	L1: Prod Name Lib L2: ← Add New →
	<b>Programming Product Library menu Delete:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/DOWN key to select the Delete product Library function.	UP/DOWN P → 2	L1: Prod Name Lib L2: ← Delete →
	2	Use the UP/DOWN key to select the name which it will be deleted from library.	UP/DOWN P → 3	L1: Delete Prod Name L2: ← XXXX →
	3	Use the LEFT/RIGHT key to toggle the selection between Yes and No Range: Yes and No Default: No	LEFT/RIGHT	L1: Are you sure? L2: ← No →
	4	If the "Yes" is selected, then deleted current product name from library.	P→1	L1: PROG MAIN MENU L2: Prod Name Lib
	<b>Programming Product Library menu Modify:</b>			
	Seq.	Action	Key Press	Display
	1	Use UP/DOWN key to select the Modify product Library function.	UP/DOWN P → 2	L1: Prod Name Lib L2: ← Modify →
	2	Use the LEFT/RIGHT key to select the name which it will be modified from library. If the P/DOWN key is pressed before a name is selected, then go to step 7. Where XXXX is product name.	LEFT/RIGHT UP → 1 P/DOWN → 3	L1: Select Prod Name L2: ← XXXX →
	3	Use the UP/DOWN to select the right character, and LEFT/RIGHT to move the cursor to right position. The current programming character is flash On/Off. Range: A to Z, 0 to 9, and '-', '+', '*', '=', ''	LEFT/RIGHT DOWN/UP P → 4	L1: Modify Name L2: ← XXXX →
	4	Use the LEFT/RIGHT key to toggle the selection between Yes and No Range: Yes and No Default: No	LEFT/RIGHT	L1: Are you sure? L2: ← No →
	5	If the "Yes" is selected, and the modified name is existed in the product name library, then it will display error (step 6). Otherwise, save current programmed product name, set its recipe to default value, and got step 1.	P → 1	
	6	After 5 seconds, go to step 1.	P → 1	L1: Library Error L2: Duplicate Name
	7	After 5 seconds, go to step 1.	P → 1	L1: Library Error L2: No Item Selected

<b>PROG-17 (continued)</b>	<b>Programming Product Library menu Add New:</b>			
	<b>Seq.</b>	<b>Action</b>	<b>Key Press</b>	<b>Display</b>
	1	Use UP/DOWN key to select the Add New product Library function.	UP/DOWN P → 2	L1: Prod Name Lib L2: ← Add New →
	2	Use the UP/DOWN key to select the name which it will be deleted from library. Where XXXX is product name.	UP/DOWN P → 3	L1: Create New Name L2: ← →
	3	Use the UP/DOWN to select the right character, and LEFT/RIGHT to move the cursor to right position. The current programming character is flash On/Off. Range: A to Z, 0 to 9, and '-', '+', '*', '=', ''	LEFT/RIGHT DOWN/UP P → 4	L1: Create New Name L2: XXXX
	4	Use the LEFT/RIGHT key to toggle the selection between Yes and No Range: Yes and No Default: No	LEFT/RIGHT	L1: Are you sure? L2: ← No →
	5	If the "Yes" is selected, and the new name is existed in the product name library, then it will display error (step 6), or there is not empty spot for the new name go to step 7. Otherwise, save current programmed product name, and its default recipe value is as following: Hold Time = 45 minutes Hold Temp = 180F Prealarm time = 0 Prealarm Cancel = Auto Product Count = 0 Before to save the new name,	P → 1	L1: PROG MAIN MENU L2: Prod Name Lib
	6	After 5 seconds, go to step 1.	P → 1	L1: Library Error L2: Duplicate Name
	7	After 5 seconds, go to step 1.	P → 1	L1: Library Error L2: Full
	<b>Programming Product Library menu Exit:</b>			
<b>Seq.</b>	<b>Action</b>	<b>Key Press</b>	<b>Display</b>	
1	Use UP/DOWN key to select the Exit product Library function.	UP/DOWN P → 2	L1: PROG MAIN MENU L2: ← Exit →	
2	Back to Main programming Menu. They are: System, Recipe, Prod Name Lib, Base Setting, Slot Assignment, Clock/Date, Diagnostics, Temp Offset, SCK Address, Test, Flash Control and Exit		L1: PROG MAIN MENU L2: Prod Name Lib	

PROG-18	Programming Slot Assignment:			
	Seq.	Action	Key Press	Display
1	Use UP/Down key to scroll the Main programming Menu to Slot Assignment then press the P key	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Slot Assignment	
2	If there is only one active meal menu, then go to step 3. Use the LEFT/RIGHT Key to choose meal menu. Range: only active meal menu (Breakfast, Lunch, Dinner) Default: depend on Store recipe.	LEFT/RIGHT UP → 1 P/DOWN → 3	L1: Choose Meal Menu L2: ← Lunch →	
3	Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 2 P/ DOWN → 4	L1: Upper Left L2: ← XXXX →	
4	If current system is 2*2, then go to step 5. Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 3 P/ DOWN → 5	L1: Upper Middle L2: ← XXXX →	
5	Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 4 P/ DOWN → 6	L1: Upper Right L2: ← XXXX →	
6	Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 5 P/ DOWN → 7	L1: Lower Left L2: ← XXXX →	
7	If current system is 2*2, then go to step 8. Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 6 P/ DOWN → 8	L1: Lower Middle L2: ← XXXX →	
8	Use LEFT/RIGHT key to select a name from product library. Where XXXX is product name.	UP → 7 P/ DOWN → 9	L1: Lower Right L2: ← XXXX →	
9	Back to main programming menu (step 1).			
PROG-19	Programming Exit:			
	Seq.	Action	Key Press	Display
1	Use UP/Down key to scroll the Main programming Menu to Exit then press the P key.	UP/DOWN P → 2	L1: PROG MAIN MENU L2: Exit	
2	Exit Programming Mode and back to normal operation.			

## NOTES



## Want to learn more about Kitchen Brains™ products?

Visit our website to learn about additional controls for our appliance partners:  
[www.KitchenBrains.com](http://www.KitchenBrains.com)



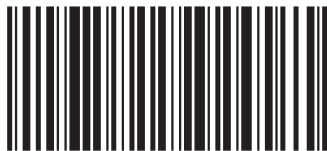
\*When used with a gateway.



Intertek



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229-51383



## KITCHEN BRAINS

Driven by **(FAST.)** Networked by **SCK**

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### WARRANTY

Kitchen Brains warrants all new timers, computers, and controllers for 1 year from the date of purchase including computers, controllers, and timers. Kitchen Brains warrants all other items for a period of 90 days unless otherwise stated at the time of purchase.

### PATENTS

The products manufactured by Kitchen Brains are protected under one or more of the following U.S. Patents:

5,331,575	5,539,671	5,711,606	5,723,846
5,726,424	5,875,430	6,142,666	6,339,930
6,401,467	6,581,391	7,015,433	7,650,833
7,877,291	8,060,408		

Plus foreign patents and patents pending. Plus licensed patent 5,973,297

## Family Applications

Air Boilers	Bain Marie	Beverage Dispensing
Broilers	Buffets	Cheese Melters
Coffee Dispensing	Dishwashers	Drawer Warmers
Freezers	Fryers	Grills/Griddles
Holding Cabinets	Ice Machines	Jacketed Steam Kettles
Laundry Equipment	Marinators	Ovens (Combi, Micro...)
Pasta Cookers	Product Mixers	Proofers
Refrigerators	Rethemalizers	Smokers
Steam Tables	Toasters	...and Others

**What They Do:** Multi-Process controls provide an integrated approach for kitchen crews to be effective in managing the most sophisticated appliances with ease. Multiple input/output functions for consistent and repeatable high food quality and safety are managed by this control family with minimal operator interface.

**Position Within Kitchen Brains™ Product Line:** Premium Performance Solutions

### Feature Highlights:

- Manage multiple processes / inputs & outputs
- Highly configurable and easy to use
- Multiple configurable outputs coordinated with timing functions
- Cook lockout ability
- SMS (Service Management System)
- Recipe profiling and stage management
- Auto appliance diagnostics
- Easily configurable with custom features added on demand
- Setback mode for energy conservation
- Communications link to today's automated kitchens