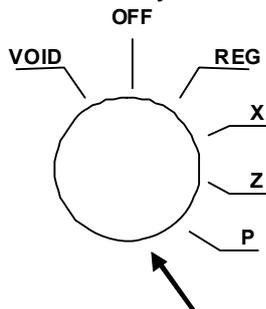


## Sam4S ER-52xx/M Series Electronic Cash Register PC Utility User Guide

Before you start...

### To connect cash register with PC:

1. Put the key marked with a C on it into your cash register
2. Turn the key to one passed P into S-Mode.



3. Type in 80 press ST button (for serial 1)  
Enter **5** press **X/Time** button  
Enter **1** press **Cash** button twice  
(this sets up your cash register port for pc)

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NOTE: This procedure is based on Sam4S ER-52xx/M PC Utility version 3.00d and the Original Icon name is '52XXNEWPC' which has been changed to '52XXNEWPC300d'.

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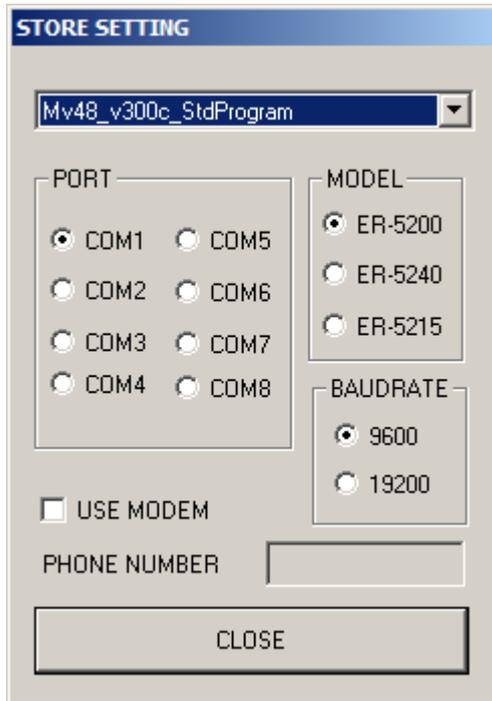
For Installation, please refer to "52xxNew PC Utility Installation Guide.pdf file."

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1. Double click the '52XXNEWPC300d' icon to run the program.



2. The first window come up is 'STORE SETTING'. Select the store name that you are about to program. By click  to see the shop list. Then select the store name from the list.



The 'PORT' section is the serial port on the PC side - the port that the ECR-PC cable 'CAB-E661PC9' connects with.

*Please find out your port number from Windows Device Manager - this may require more Windows Managing knowledge. Use the smallest COM number you can get.*

To identify your 'MODEL', please check the model name on your cash register. Or, 'ER-5200' is the 160 key flat keyboard version; 'ER-5240' is the 90 key raised keyboard version and 'ER-5215' is the 60 key raised keyboard version.

It is recommended setting the 'BAUDRATE' as **9600** - the default baud rate on the machine.

Only tick 'USE MODEN' when the connection is remote. The 'PHONE NUMBER' box will light up after this option is ticked for entering the dial-up phone number.

When all of the options have been set, click 'CLOSE'(in some cases is 'OK' or 'GO') bottom to go to next step.

3. The main screen of the PC Utility looks like below. At centre of the main screen, the 'NOTICE' indicates the suitable EPROM version in the machine with this PC Utility. Please check the EPROM version before goes any further.

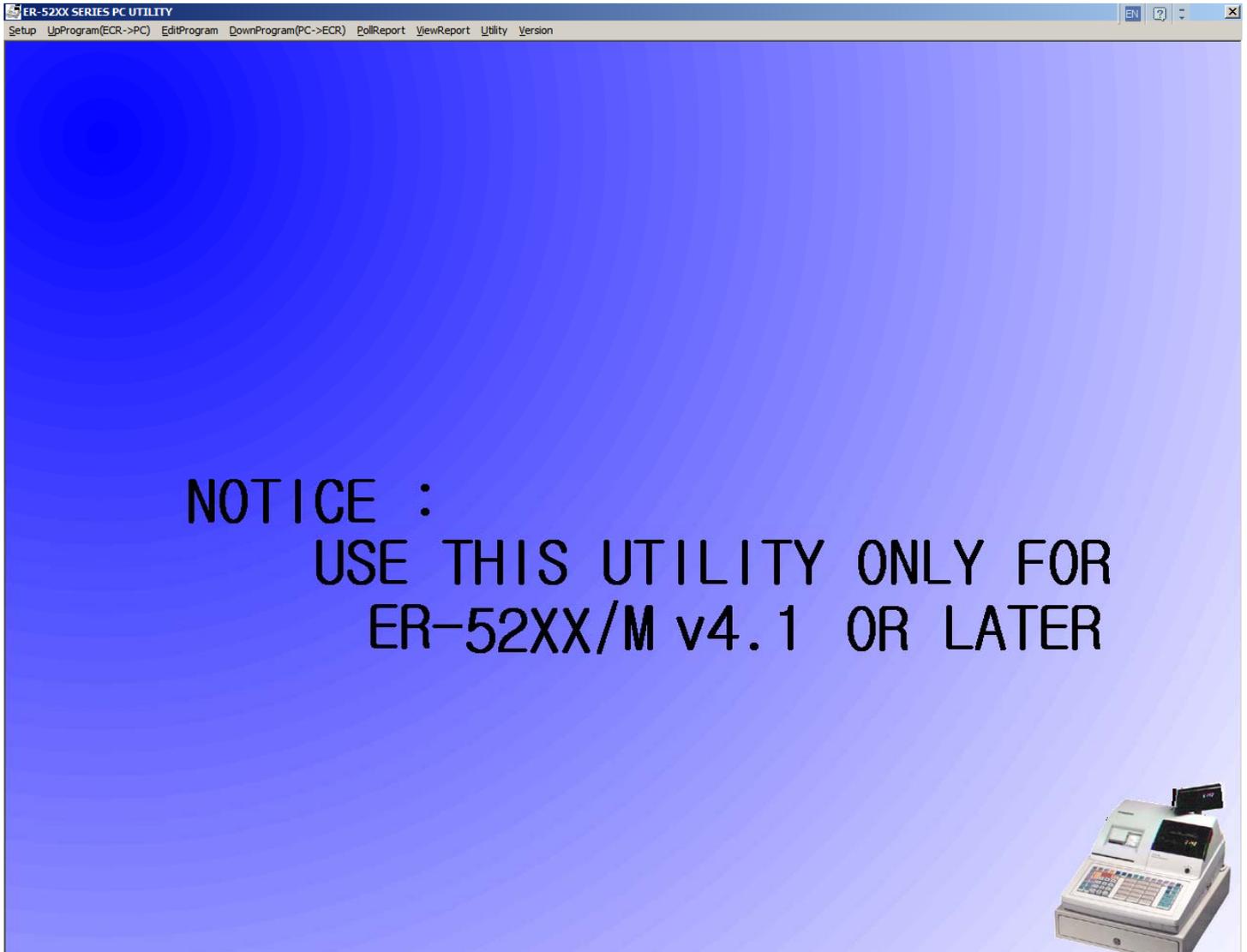
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Note:

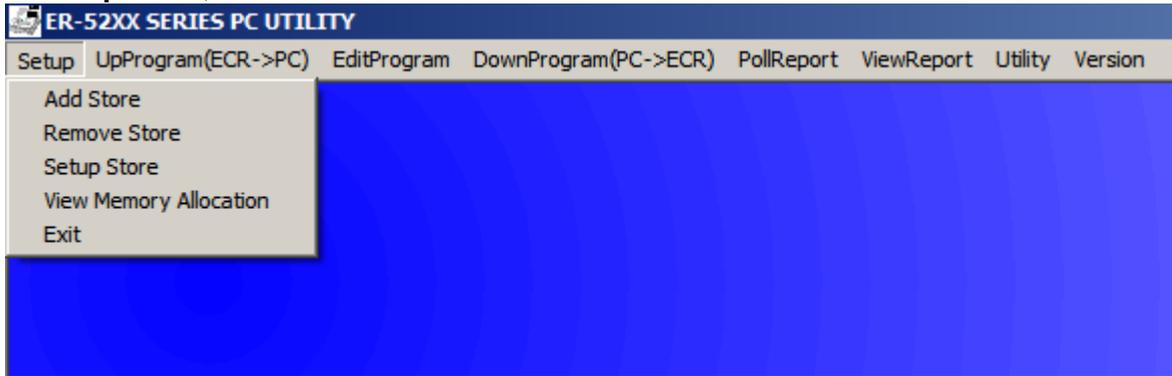
You will need a C-key to go to S-Mode.

Key in **5** **0** **SBTL** then wait the docket to be printed from receipt printer and find out the version.

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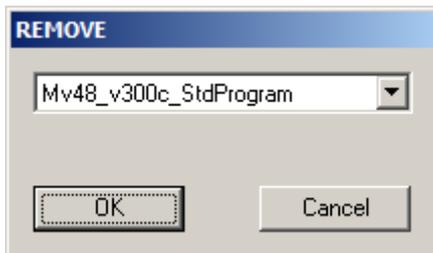
4. In **Setup** menu, there are 5 functions.



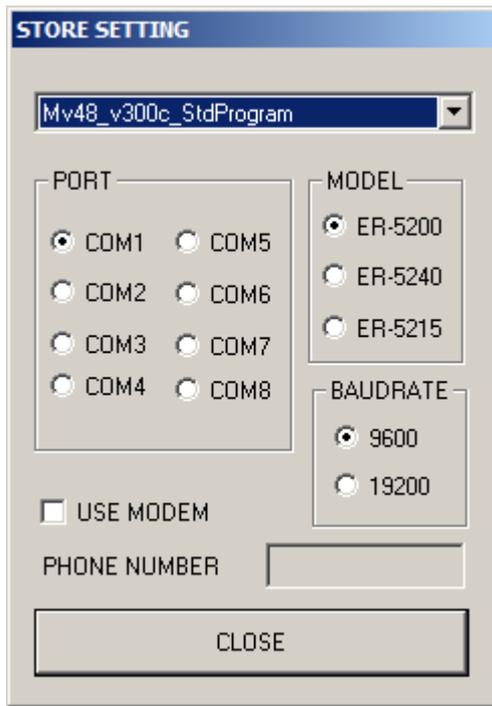
For **'Add Store'** function, the **'ADD STORE'** window pops up. Enter the store name into the box. Then click **'OK'** to create or **'CANCEL'** to cancel.

Note:

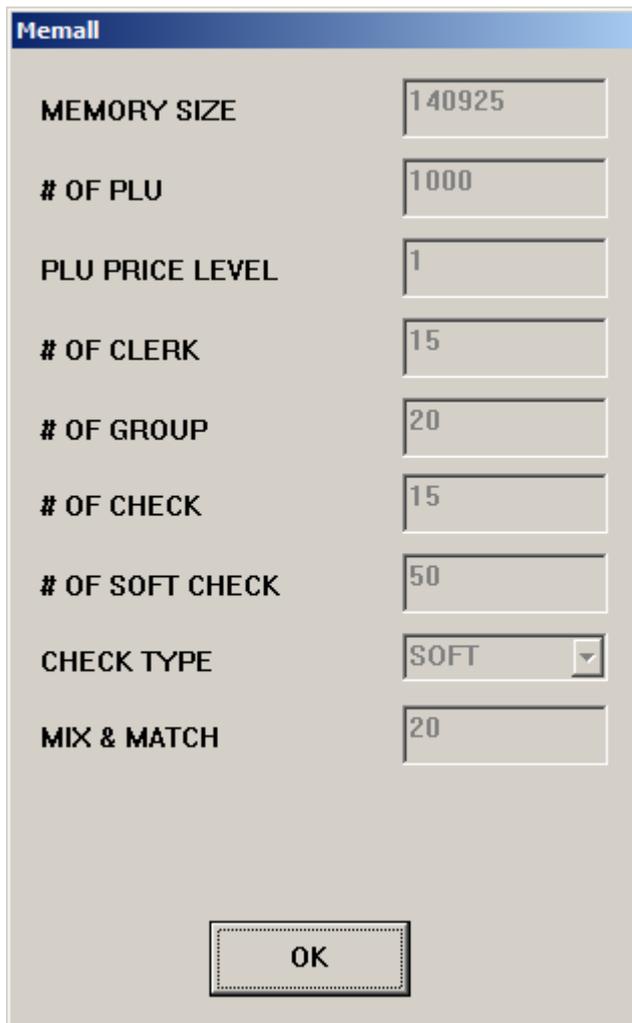
- a) ' ' (space) and '-' (minus) is not allowed to use in any part of store name.
- b) It is recommend to add version of EPROM and PC Utility in the store name for tracing back. For example: 'xV52\_V300d\_GoodsonImports' or 'mV53\_v300d\_GoodsonImports'. 'x' for *ER-52xx series* and 'm' for *ER-52xxM series*; **'V52'** & **'V53'** for *EPROM version* in the cash register; and **'V300d'** is the *version of the PC Utility*.



For **'Remove Store'** the **'REMOVE'** window pops up. Select the store name of the store that you want to remove by click  then choose from drop down list. Then click **'OK'** to remove or **'CANCEL'** to cancel.



'Setup Store' will bring up 'STORE SETTING' window. Please refer to **Step 2**.



'View Memory Allocation' will bring up 'Memall' window. This **ONLY** allows you to check the memory allocation configuration of the program for changing the memory allocation on the cash register.

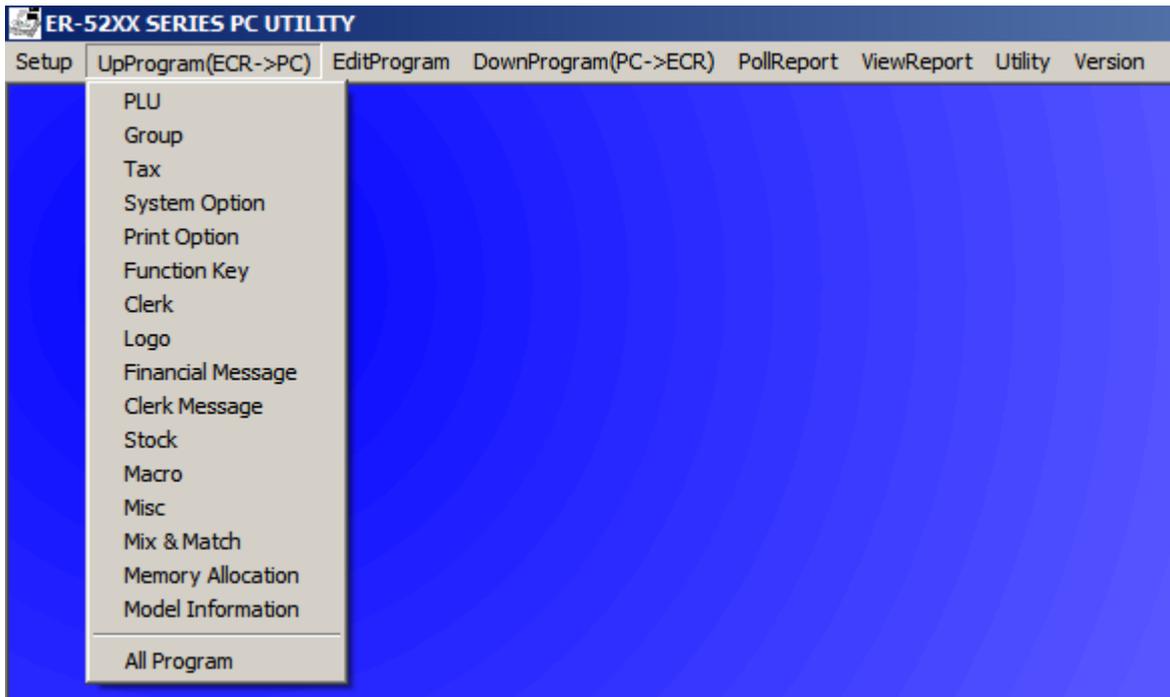
Note:

- a) C-key is needed to go to S-Mode.
- b) Press **6 0 SBTL CASH** to print the memory allocation of the machine.
- c) It is unavailable to change the memory allocation from the machine. Please change memory allocation from cash register itself.
- d) Please refer to '**Service Mode Programming**' on the '**Operation and Program Manual**'.

5. The **UpProgram(ECR->PC)** allows upload program with preset data from cash register to PC. For a brand new machine or a machine right after RAM All Clear, **please do uploading 'All Program'** in order to send a full set of program to PC. Upload individual item by selecting each of them is also available afterward.

Note:

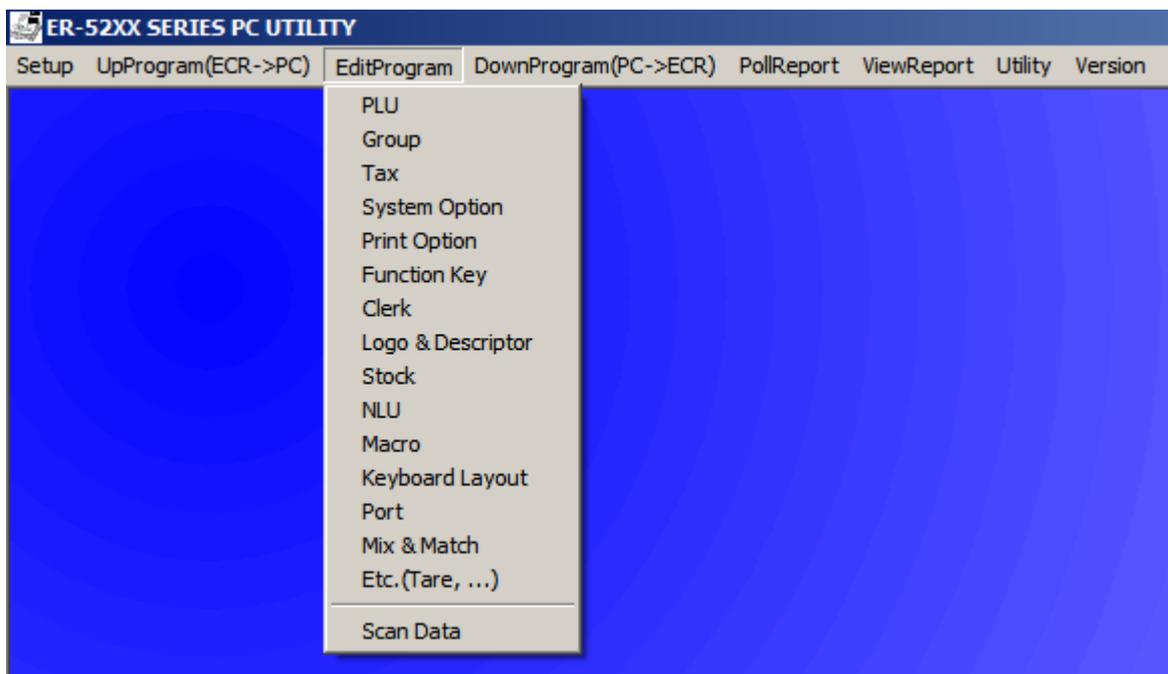
- a) PC Utility is software that provides a PC interface to program a cash register, there is no program included. A clean program uploads from cash register after RAM All Clear (and setup the Memory Allocation) guarantees a complete set of program for programming.
  - b) If **'REGISTER NOT READY'** message come up, please check the port setting on the Cash Register, or If there is any clerk is login, or maybe faulty cable.
- 



6. The **'EditProgram'** is the main function to add/modify the program.

Note: It is recommend the program is fresh uploaded from cash register as the machine has just been RAM All Clear-ed.

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**PROGRAMMING PLU - Right click to delete an item.**

CODE	DESCRIPTOR	PRICE1
00000000000001	PLU1	4.00
00000000000002	PLU2	0.00
00000000000003	PLU3	0.00
00000000000004	PLU4	0.00
00000000000005	PLU5	0.00
00000000000006	PLU6	0.00
00000000000007	PLU7	0.00
00000000000008	PLU8	0.00
00000000000009	PLU9	0.00
00000000000010	PLU10	0.00
00000000000011	PLU11	0.00
00000000000012	PLU12	0.00
00000000000013	PLU13	0.00
00000000000014	PLU14	0.00
00000000000015	PLU15	0.00
00000000000016	PLU16	0.00
00000000000017	PLU17	0.00
00000000000018	PLU18	0.00
00000000000019	PLU19	0.00
00000000000020	PLU20	0.00
00000000000021	PLU21	0.00
00000000000022	PLU22	0.00
00000000000023	PLU23	0.00
00000000000024	PLU24	0.00
00000000000025	PLU25	0.00
00000000000026	PLU26	0.00
00000000000027	PLU27	0.00
00000000000028	PLU28	0.00
00000000000029	PLU29	0.00
00000000000030	PLU30	0.00
00000000000031	PLU31	0.00
00000000000032	PLU32	0.00
00000000000033	PLU33	0.00
00000000000034	PLU34	0.00
00000000000035	PLU35	0.00
00000000000036	PLU36	0.00
00000000000037	PLU37	0.00
00000000000038	PLU38	0.00

TOTAL PLU#: 117

PLU CODE:

DESCRIPTOR:

GROUP:

PRICE1:

PRICE2:

PRESET  PRESET OVERRIDE

TAXABLE BY:  1  2  3  4

FOOD STAMP ELIGIBLE  NEGATIVE ITEM

HASH ITEM  SINGLE ITEM

NON ADD # COMP.  GALLONAGE ITEM

INVENTORY ITEM  DISABLE

SCALABLE  AUTO SCALE

CONDIMENT ITEM  CONDIMENT COMP.

PRINT ON RECEIPT

PRINT ON JOURNAL  PRINT ON CHECK

PRINT PRICE ON RECEIPT  PRINT PRICE ON CHECK

DISABLE PROMO  COUNTER NOT RESET

PRESET OVERRIDE IN MGR MODE

LINK PLU CODE:

AUTO TARE:

MIX & MATCH #:

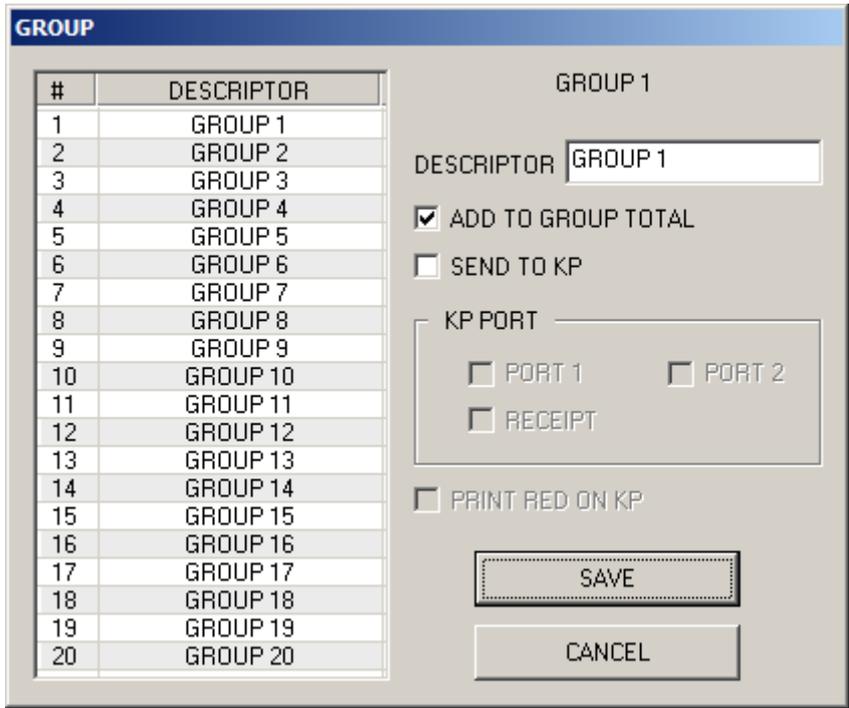
Buttons: EXIT, SAVE, CANCEL

PLU: Stand for **P**rice **L**ook **U**p. Which store the item name, price... and so on.

Click 'EditProgram → PLU', 'PROGRAMMING PLU – Right click to delete an item' window will show like above. In this program, click the PLU is going to be programmed on the LHS PLU list. The PLU's data will appear on the RHS fields. After all field is modified, click 'SAVE' bottom first before click next PLU on the LHS PLU list.

This section covers PLU programs in **PLU Programming** on the **Operation and Program Manual** includes:

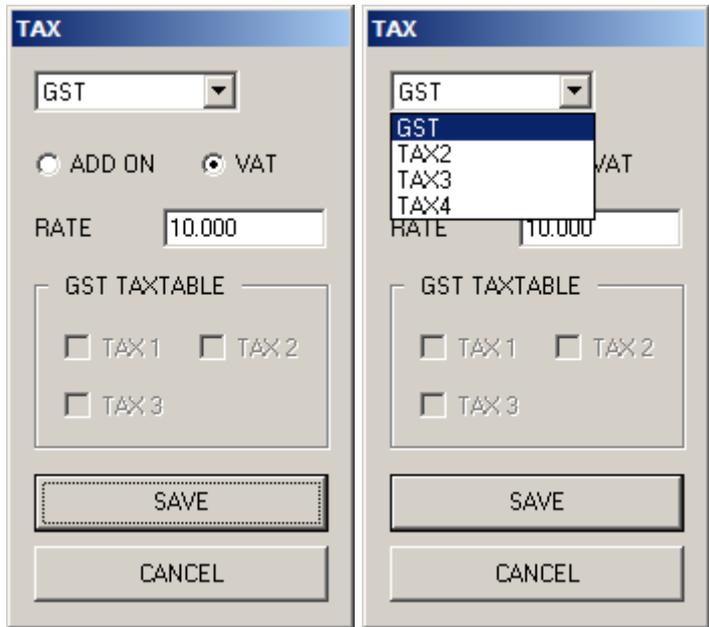
- Program 100 - PLU Status Programming
- Program 110 - PLU Auto Tare Programming
- Program 150 - PLU Group Assignment Programming
- Program 200 - PLU Price/HALO Programming
- Program 300 - PLU Description Programming
- Program 350 - PLU Link Programming
- Program 400 - PLU Delete Programming
- Program 450 - PLU Mix & Match Programming



Click **'EditProgram → Group'**, **'GROUP'** window will show like above. In this program, click the GROUP is going to be programmed on the LHS group list. The Group's data will appear on the RHS fields. When **'SEND TO KP'** is ticked, **'KP PORT'** and **'PRINT RED ON KP'** sections will light up for selecting. After all fields are modified, click **'SAVE'** bottom first before click next group on the LHS group list.

This section covers Group programs in **Group Programming** on the **Operation and Program Manual** includes:

- Program 900 - Group Status Programming
- Program 910 - Group Description Programming



Click **'EditProgram → Tax'**, **'Tax'** window will show like above on the left. By click  to select one out of four Taxes on the List.

This section covers Tax program in **Tax Programming** on the **Operation and Program Manual** but exclude 'Descriptor - Program 80 in **Program Mode**'(please refer to 'EditProgram → Function Key').

**SystemOption**

<input checked="" type="checkbox"/> Beeper Active	<input type="checkbox"/> Real Clerk Key	% And Tax cal.	Round up at 0.5C	<input checked="" type="checkbox"/> Allow sale with 0 stock
Clerk Entry	Push	Split Price Calculation	Round up at 0.5C	<input type="checkbox"/> Allow AUSTRALIAN round on SUBT
Clerk is	Stay down	<input type="checkbox"/> Comp. Eat-In T-Out D-Thru before Tender		<input checked="" type="checkbox"/> Allow AUSTRALIAN round on CASH
<input checked="" type="checkbox"/> Drawer need to be shut to operate		Hash is	Normal	<input checked="" type="checkbox"/> Allow Z stock report
<input type="checkbox"/> Activate Drawer open alarm		Reset Z counter After Z1 report		<input checked="" type="checkbox"/> Activate Autocutter
Seconds to allow Drawer open (1-99)	30	<input type="checkbox"/> Finan. Rpt	<input type="checkbox"/> Time Rpt.	<input checked="" type="checkbox"/> Overlay Descriptor
<input type="checkbox"/> Allow Post Tender		<input type="checkbox"/> PLU Rpt.	<input type="checkbox"/> Clerk Rpt	<input checked="" type="checkbox"/> Percent affect to Net Sale
<input checked="" type="checkbox"/> Open Drawer on Post Tender		<input type="checkbox"/> Group Rpt.		<input type="checkbox"/> Disable Cash Declare
<input checked="" type="checkbox"/> Allow Multiple Receipts		Reset Z counter After Z2 report		<input type="checkbox"/> Clerk Interrupt
<input type="checkbox"/> Cash Declaration Req.		<input type="checkbox"/> Daily Sales Report		<input type="checkbox"/> VAT shfit affect the shole receipt
<input type="checkbox"/> Reset Transaction No. on Z report				<input type="checkbox"/> Not Count in Memroy in Void mode
<input type="checkbox"/> MGR Control to Tend Neg. Balance		<input checked="" type="checkbox"/> Printer Paper Sensor Active		Disable Price level key
<input type="checkbox"/> MGR Control to Tend Zero Balance		<input type="checkbox"/> Deactivate Split Pricing		<input type="checkbox"/> Level 1
<input type="checkbox"/> Reset Grand Total after Z report		<input type="checkbox"/> Allow Direct Mult		<input type="checkbox"/> Level 2
<input checked="" type="checkbox"/> Open Drawer When reports run		Inventory Count Program	Counter Replace Curr. Lvl	Price Level
<input checked="" type="checkbox"/> Open Drawer during train Mode				Pop up after Item
Decimal Place	2	Global Entry Limit (0-14)	0	Modifier
Date Format	DMY	<input type="checkbox"/> Direct mult More than one digit		Pop up after Item
<input type="checkbox"/> ALLOW NEW ZEALAND ROUND ON SUBL		Tender Validation	AMT of sale	Embedded price bar code type
<input type="checkbox"/> ALLOW NEW ZEALAND ROUND ON CASH		<input type="checkbox"/> Display add price of linked items		0
				<input type="checkbox"/> KBD PLU FUNCTION
				<input checked="" type="checkbox"/> RESET GST AFTER SERVICE ON HARD CHK
				<input checked="" type="checkbox"/> USE STD CHECK DIGIT CALC.
				<input checked="" type="checkbox"/> ALLOW ZRPT WITH OPEN CLK INTERRUPT SALES
				<input type="checkbox"/> DISABLE LINE FIND ON SLIP PRINTER

Click 'EditProgram → System Option', 'SystemOption' window will show like above. By click on to select one of the options on the drop down list.

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This section covers **System Option Programming** in **Program Mode** on the **Operation and Program Manual**. Please refer to the manual for detail.

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**PRINT OPTION**

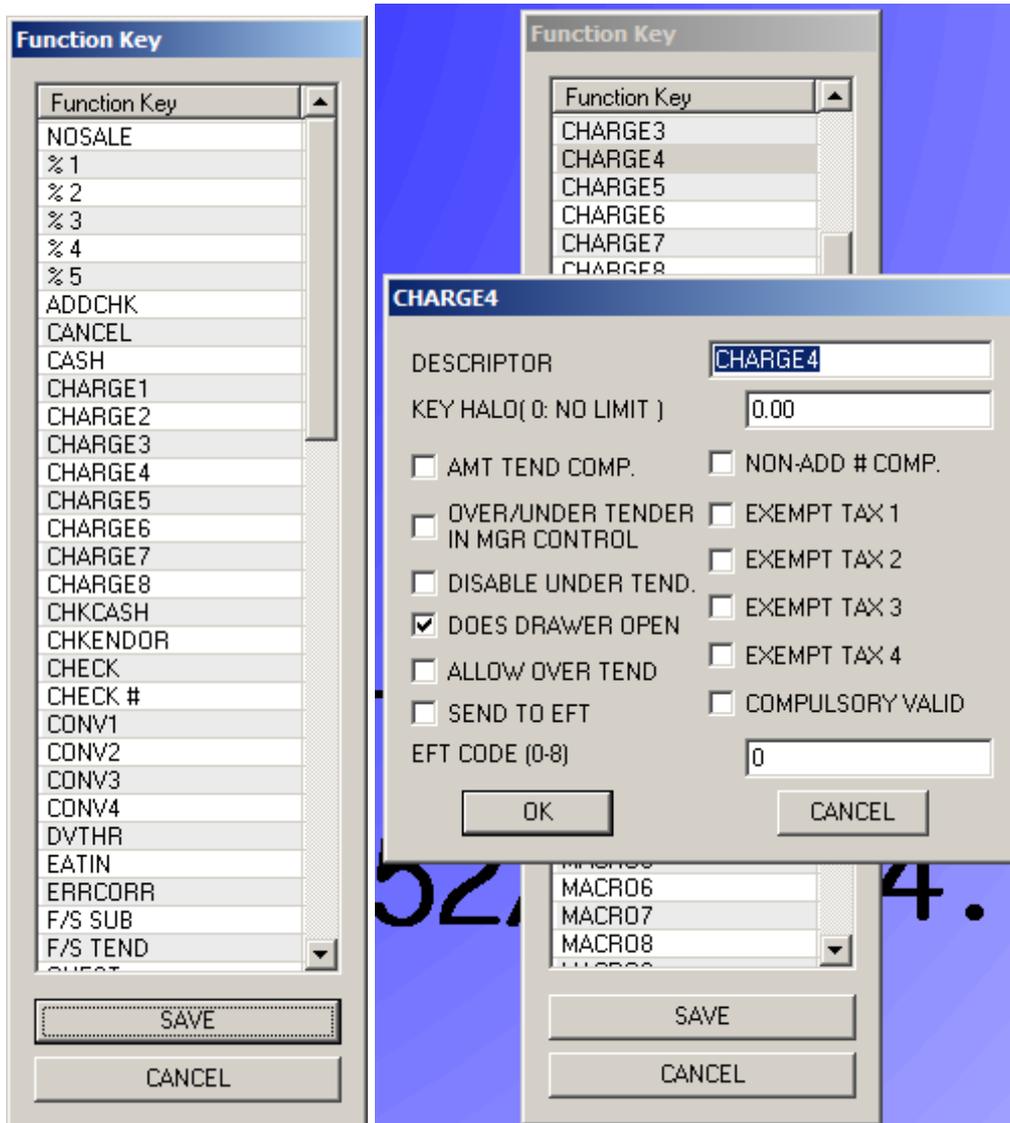
<input type="checkbox"/> Print Media Totals on Clerk Report <input checked="" type="checkbox"/> Print Tax Symbol <input checked="" type="checkbox"/> Print VD Mode and Return on Rpt. <input type="checkbox"/> Print Audaction on Report <input checked="" type="checkbox"/> Skip Zero Totals on Financial Rpt. <input checked="" type="checkbox"/> Skip Zero Totals on Clerk Report <input type="checkbox"/> Print Clerk Report After Fianan. Rpt <input type="checkbox"/> Print Sale Item No. <input type="checkbox"/> Print PLU with Zero Totals on Rpt. <input type="checkbox"/> Print Subtotal when pressed <input type="checkbox"/> Print % of sales on PLU Report <input checked="" type="checkbox"/> Print Cons.No. <input checked="" type="checkbox"/> Print Date <input checked="" type="checkbox"/> Print Time <input checked="" type="checkbox"/> Print Machine No. <input checked="" type="checkbox"/> Print Clerk Name Home Currency Symbol <input type="text" value="\$"/> <input checked="" type="checkbox"/> Print Z Counter <input checked="" type="checkbox"/> Print Receipt when Sign On/Off Print Grand total <input checked="" type="checkbox"/> On X Repor <input checked="" type="checkbox"/> On Z Report Print Gross total <input checked="" type="checkbox"/> On X Repor <input checked="" type="checkbox"/> On Z Report <input type="checkbox"/> Print Subtotal Without Tax	Tax Amount Is <input type="text" value="ITEMIZE"/> <input checked="" type="checkbox"/> Print Tax Amount <input type="checkbox"/> Print Taxable total <input type="checkbox"/> Print Tax Rate <input type="checkbox"/> VAT Breakdown <input type="checkbox"/> Print Train mode title in Trainig Mode Currency Symbol Conv # 1 <input type="text"/> Conv # 2 <input type="text"/> Conv # 3 <input type="text"/> Conv # 4 <input type="text"/> <input checked="" type="checkbox"/> Print KP Order # on Receipt <input type="checkbox"/> Print Price on KP <input checked="" type="checkbox"/> Send to KP in VOID MODE <input type="checkbox"/> Send to KP in TRAIN MODE <input checked="" type="checkbox"/> Combine like Items on KP <input checked="" type="checkbox"/> Consolidation on Check Track Volume Unit <input type="text" value="GAL"/> <input checked="" type="checkbox"/> Print Preamble Message on Receipt <input checked="" type="checkbox"/> Print Postamble Message on Receipt <input type="checkbox"/> Print Preamble on the Guest Check <input type="checkbox"/> Print Postamble on the Guest Check	<input type="checkbox"/> Print Pre/Postamble on Journal <input checked="" type="checkbox"/> AVG Item / Cust <input checked="" type="checkbox"/> AVG \$ / Cust <input checked="" type="checkbox"/> Buffer Receipt issue when Rec is on <input type="checkbox"/> Priority Print by Group on KP <input type="checkbox"/> Print PLU # on Receipt <input type="checkbox"/> Not Print when Polling Reports <input type="checkbox"/> Print PLU # on PLU Reports Grand Total Is <input type="text" value="GROSS"/> <input type="checkbox"/> Send Order to KP at Subtotal <input type="checkbox"/> Print Date on SERV on Hard Check <input checked="" type="checkbox"/> Journal is Small <input type="checkbox"/> Journal is Reverse <input type="checkbox"/> Journal is Off <input type="checkbox"/> Pre-Prn Graphic Logo <input type="checkbox"/> Post-Prn Graphic Logo <input checked="" type="checkbox"/> Pre-Printing Logo is Default on Receipt <input checked="" type="checkbox"/> Post-Printing Logo is Default on Receipt <input type="checkbox"/> Pre Prn Graphic Logo on Guest Check <input type="checkbox"/> Pre Post Graphic Logo on Guest Check Edit Pre Feeding Line (0-5) <input type="text" value="0"/> Edit End Feeding Line (0-5) <input type="text" value="0"/> <input type="checkbox"/> Print Round Amount on KP <input type="checkbox"/> PRINT CHECK# LINE ON THE GUEST CHECK
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Click 'EditProgram → Print Option', 'PRINT OPTION' window will show like above. By click on  to select one of the options on the drop down list.

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This section covers **Print Option Programming** in **Program Mode** on the **Operation and Program Manual**. Please refer to the manual for detail.

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Click 'EditProgram → Function Key', 'Function Key' window will show like above on the left. Scroll Up and Down and find out the function key that you would like to program. To Program a function key, simply just click on the name on the list, the window of that function key will pop up (in this example, 'CHARGE4' is clicked and 'CHARGE4' window pop up). Click 'OK' bottom to save the change and 'CANCEL' if discard the change.

This section covers **Function Key Programming in Program Mode** on the **Operation and Program Manual** includes:

- Program 70 - Function Key Option
  - Program 80 - Function Key Descriptor
  - Program 90 - Function Key HALO
- Please refer to that section for the detail.



The screenshot shows the 'LogoDesc' window with the following structure:

- PREAMBLE:** A vertical stack of six empty text input fields.
- POSTAMBLE:** A vertical stack of six empty text input fields.
- ENDORSEMENT MESG:** A vertical stack of six empty text input fields.
- FINANCIAL REP MESG:** A dropdown menu with a list of options including '+PLU TTL', 'ADJST TTL', 'NONTAX', 'GST SALES', 'TAX2 SALES', 'TAX3 SALES', 'TAX4 SALES', 'GST', 'TAX2', 'TAX3', 'TAX4', 'XMPT1 SALES', 'XMPT2 SALES', 'XMPT3 SALES', 'XMPT4 SALES', 'EATIN TTL', 'TAKEOUT TTL', 'DRTHRU TTL', '% 1', '% 2', '% 3', '% 4', '% 5', 'NET SALE', and 'CREDIT GST'.
- CLERK REP MESG:** A dropdown menu with a list of options including 'NET SALE', 'NONTAX', 'GST SALES', 'TAX2 SALES', 'TAX3 SALES', 'TAX4 SALES', 'GST', 'TAX2', 'TAX3', 'TAX4', 'XMPT1 SALES', 'XMPT2 SALES', 'XMPT3 SALES', 'XMPT4 SALES', 'EATIN TTL', 'TAKEOUT TTL', 'DRTHRU TTL', '% 1', '% 2', '% 3', '% 4', '% 5', 'CREDIT GST', 'CREDIT TAX2', 'CREDIT TAX3', and 'CREDIT TAX4'.

At the bottom of the window are two buttons: 'SAVE' and 'CANCEL'.

Click 'EditProgram → Logo & Descriptor', 'LogoDesc' window will show like above. For 'PREAMBLE', 'POSTAMBLE' & 'ENDORSEMENT MESG' parts, type the name you like into each field.\* For 'FINANCIAL REP MESG' & 'CLERK REP MESG' parts, click on the message that is going to be changed, the field on top will change to that message. Modify the message, then press 'ENTER' key on your PC keyboard will change the message. Always click 'SAVE' to save the change or 'CANCEL' to discard the modification.

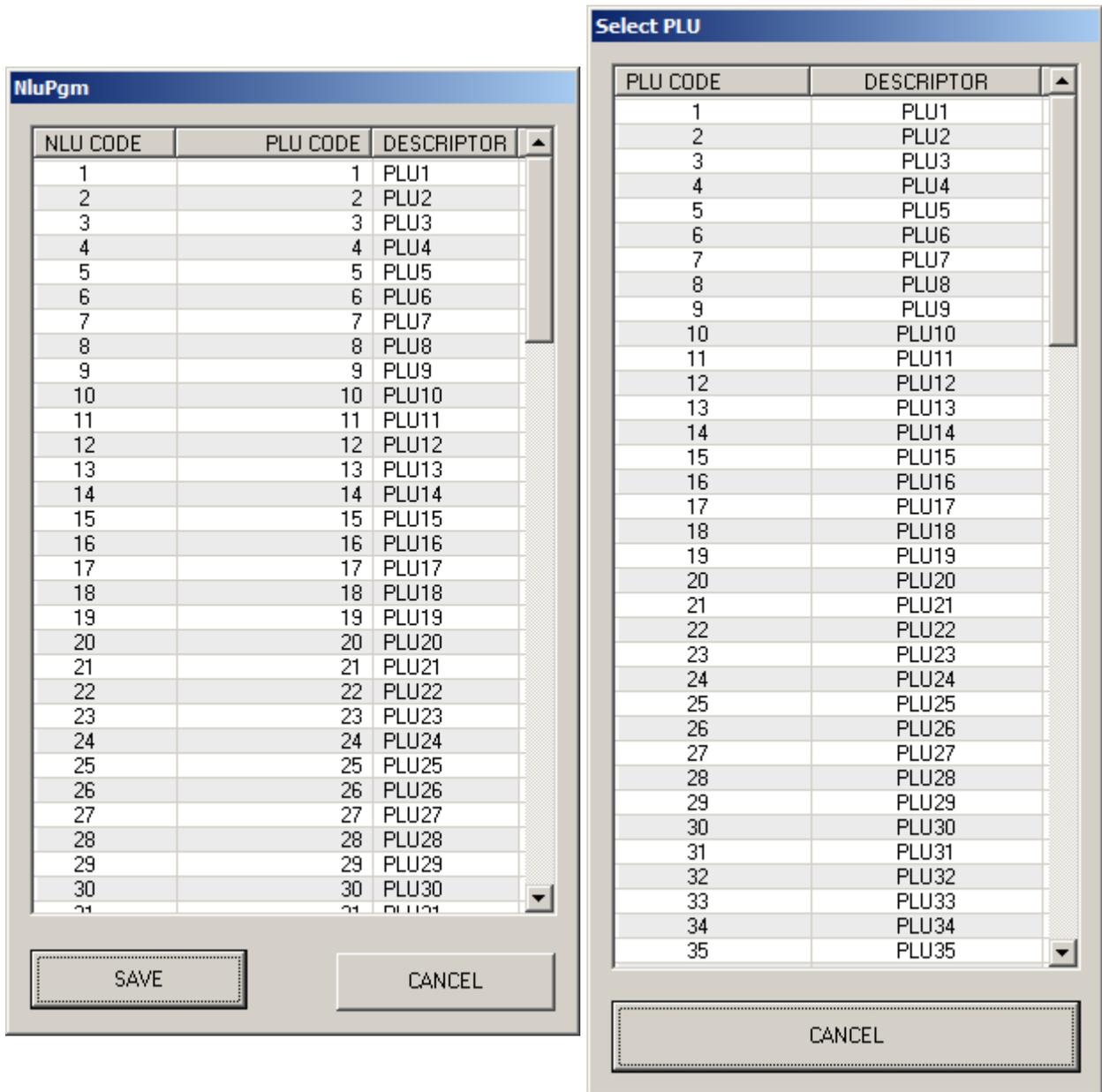
**Note:**

- a) Each field represent one line on the receipt. Each line is able to carry 32 spaces/symbols/characters.
- b) Use '~'(tilde) in front of a space/symbol/character will make it double size – use 2 spaces.
- c) The field left blank will not print and leave a blank line on the receipt.

This section covers Group programs in **Group Programming** on the **Operation and Program Manual** includes:

- Program 700 - Logo Description Programming
  - Program 701 - Financial Report Message Programming
  - Program 710 - Clerk Report Message Programming
- Please refer to that section for the detail.

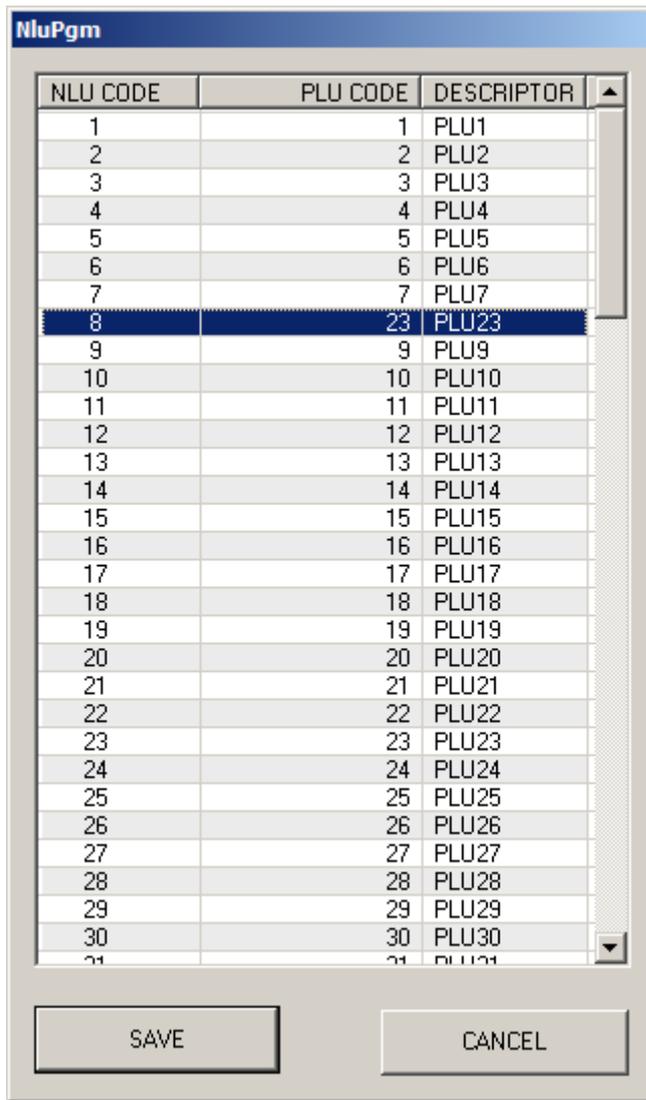




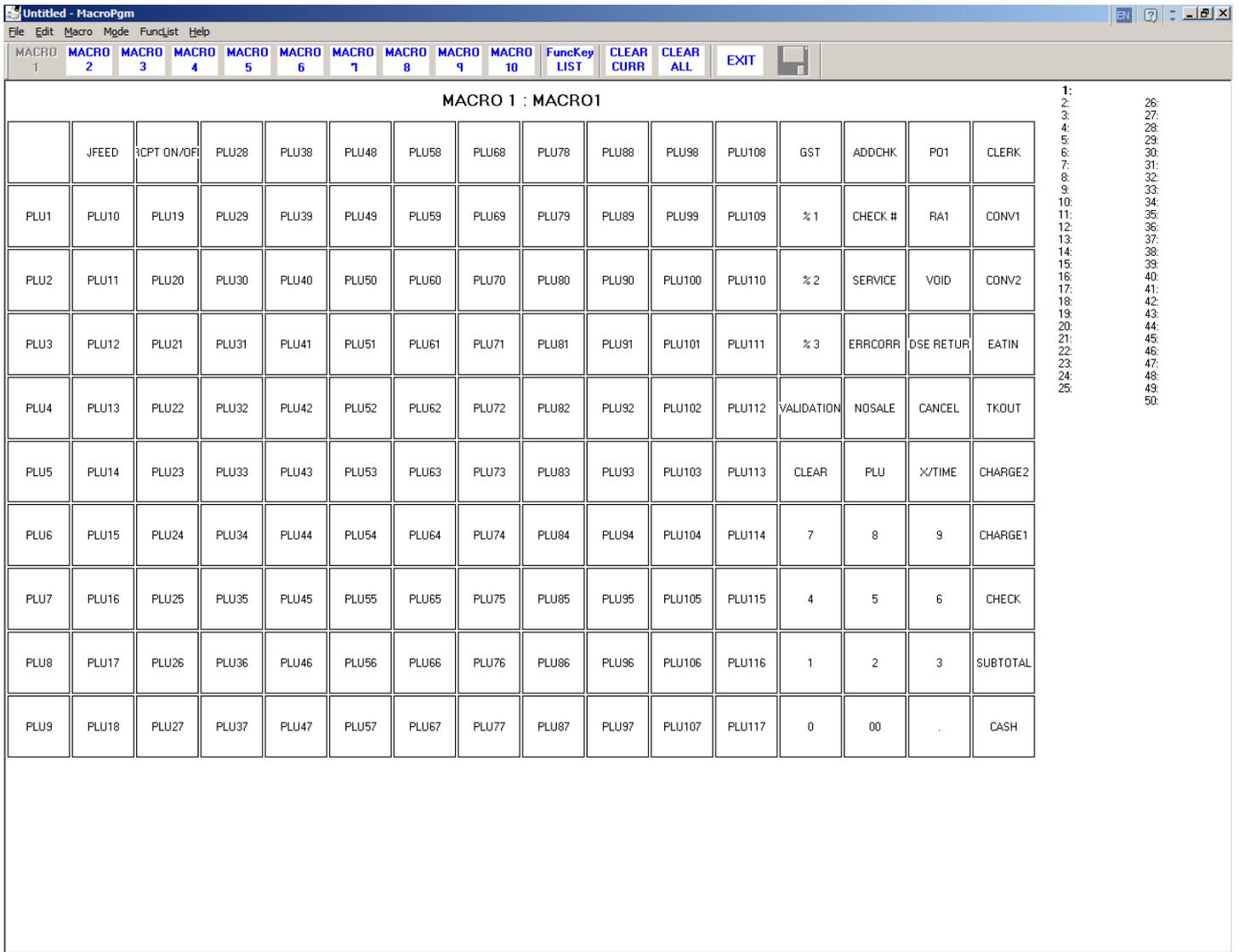
NLU: Stand for **Number Look Up**, means those so called 'PLU keys' on the cash register keyboard. When a machine is just done RAM All Clear, the NLU1 key is preset linking to PLU1, NLU2 to PLU2... Therefore, in most cases, NLU keys on the keyboard are simply called 'PLU' keys. In this NLU programming, showing the capability of assigning different PLU link to a NLU key.

Click '**EditProgram** → **NLU**', '**NluPgm**' window will show like above on the left. To program a NLU, simply just click a NLU on the NLU list. The '**Select PLU**' window will pop up like the on above on the right. Select a new PLU that will like to the NLU bottom and 'Select PLU' window will disappear.

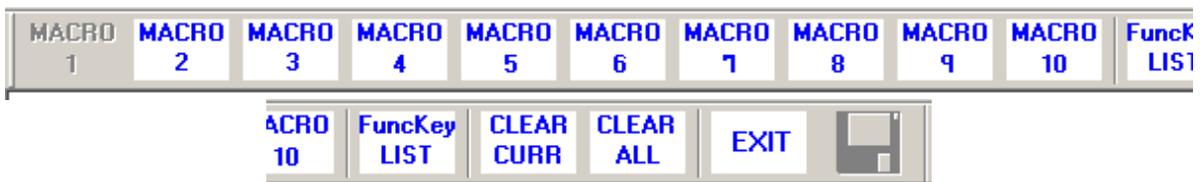
For example, NLU8 is about to link to a new PLU - PLU23. Click NLU8 on 'NluPgm' window then click PLU23 on 'Select PLU' window. The result is on following page.



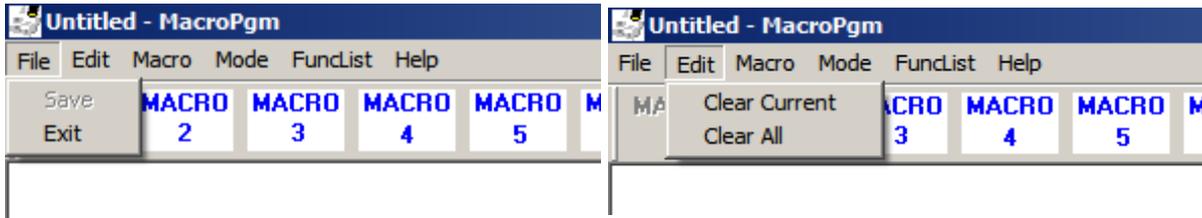
This section covers **Miscellaneous Programming** section on the **Operation and Program Manual**. Please refer to the manual for detail.  
 Program 1000 - NLU Code Number Programming



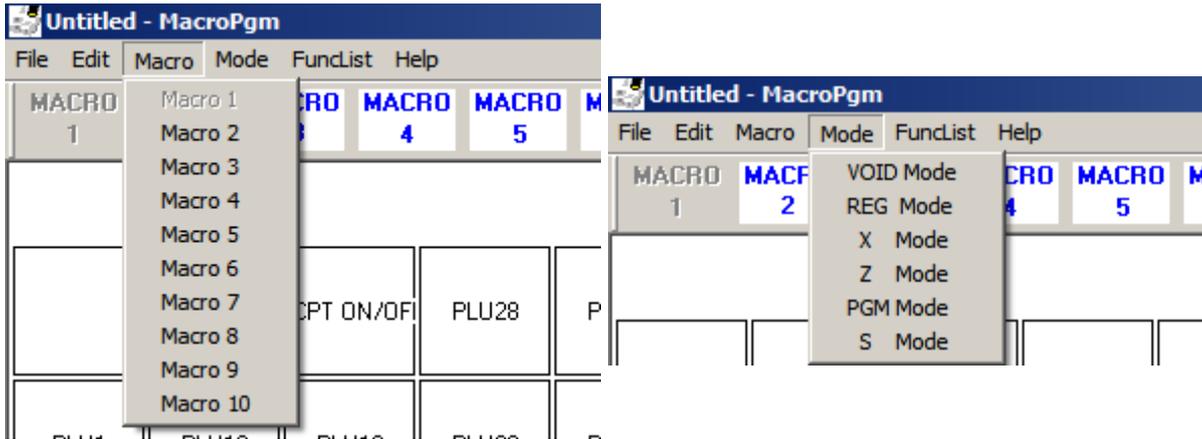
Click 'EditProgram → Macro', 'MacroPgm' main window will show like above.



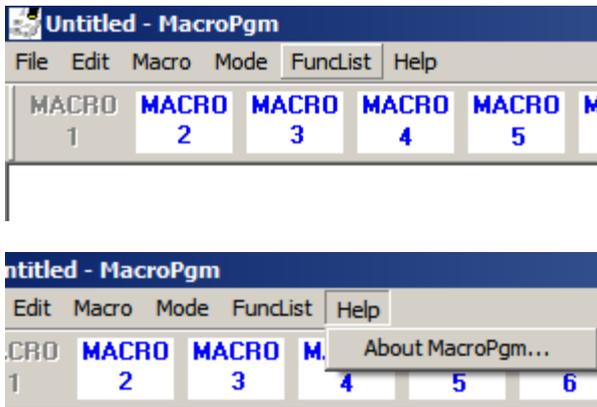
The closer look of the toolbar LHS (upper - above) and RHS (lower - above).



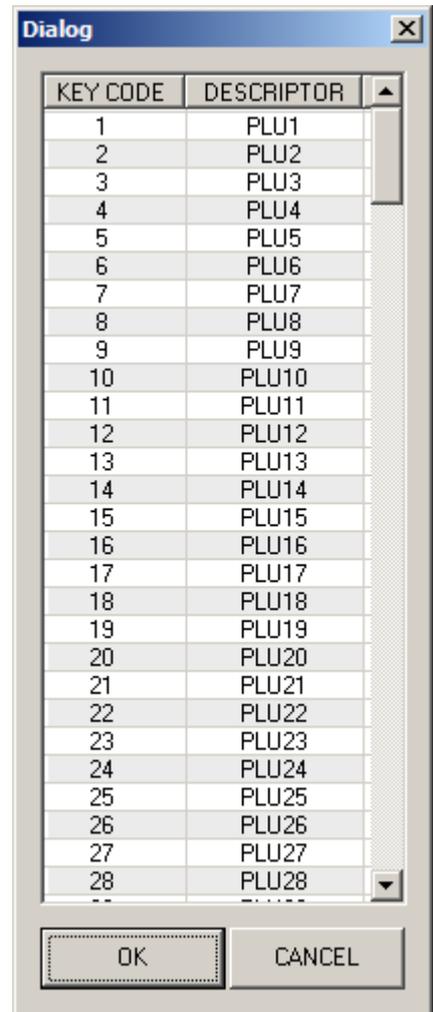
'File' (LHS above) and 'Edit' (RHS above) menus. 'Edit' function is for clearing the setting on the Macro key. 'Edit' menu is functioning as well as those **CLEAR CURRENT** and **CLEAR ALL** icons on the toolbar. **Clear Current** will clear whatever step is activated (in bold font); **Clear All** will clear the whole key sequence of the macro key is programming.



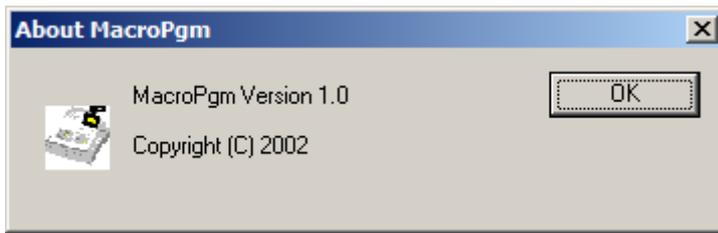
'Macro' (LHS above) and 'Mode' (RHS above) menus. 'Macro' menu is functioning as well as Macro 'Icons' on the toolbar for switching between different Macro keys. 'Mode' menu is the place where you select 'Mode' for the first step of Macro key sequence.



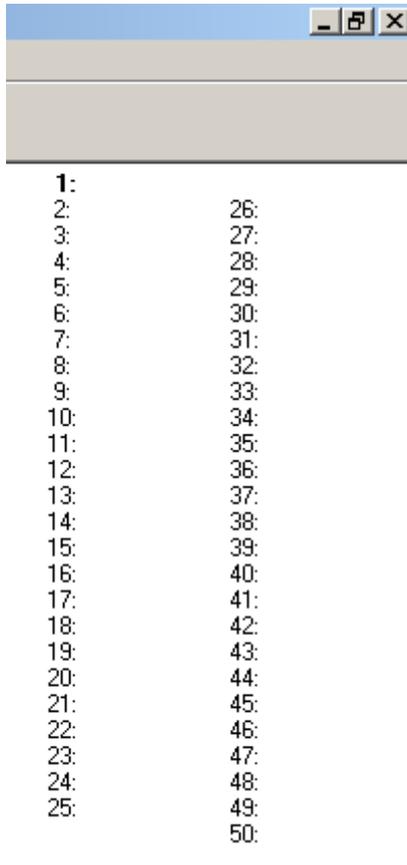
'FuncList'(upper above) and 'Help'(lower above) menus. When 'FuncList' is clicked, a **Dialog** window (right) will pop up and where you can select all of the function key (include all of PLU/NLU keys). Click on the key involved in the macro key sequence then the 'Dialog' window will close and back to 'MacroPgm' main window.



Note: 'FuncList' is not available when program Macro keys on the cash register directly.



Click 'Help → About MacroPgm', 'About MacroPgm' window will show like above.



On the RHS of the 'MacroPgm' window is the area shows the key sequence of the Macro key is programming. Notice the step 1 is in **bold** style - indicate it is the 'current' step.

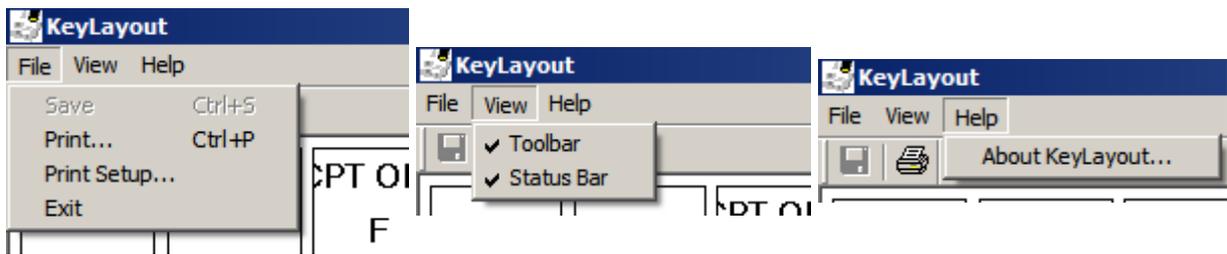
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This section covers **Macro Key Sequence Programming** in the **Miscellaneous Programming** section on the **Operation and Program Manual**. Please refer to the manual for detail.  
Program 1500 - Macro Key Sequence Programming

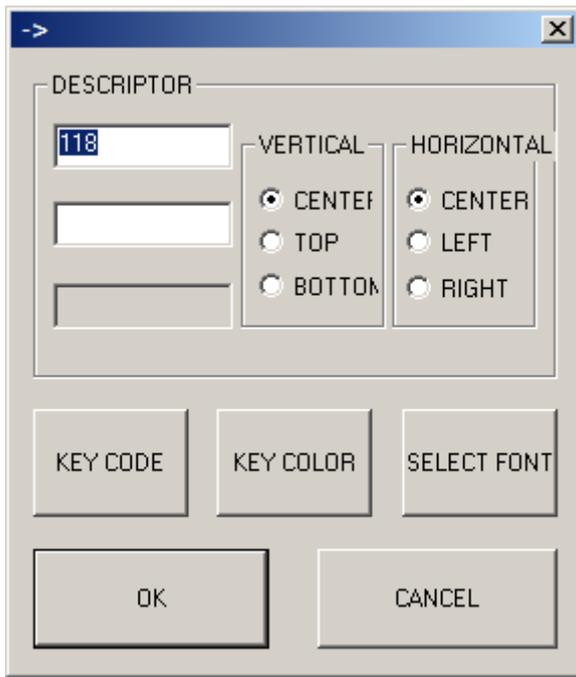
---

118	JFEED	CPT ON/ F	PLU28	PLU38	PLU48	PLU58	PLU68	PLU78	PLU88	PLU98	PLU108	GST	ADDCHK	PO1	CLERK
PLU1	PLU10	PLU19	PLU29	PLU39	PLU49	PLU59	PLU69	PLU79	PLU89	PLU99	PLU109	% 1	CHECK #	RA1	CONV1
PLU2	PLU11	PLU20	PLU30	PLU40	PLU50	PLU60	PLU70	PLU80	PLU90	PLU100	PLU110	% 2	SERVICE	VOID	CONV2
PLU3	PLU12	PLU21	PLU31	PLU41	PLU51	PLU61	PLU71	PLU81	PLU91	PLU101	PLU111	% 3	RRCOR	SE RET N	EATIN
PLU4	PLU13	PLU22	PLU32	PLU42	PLU52	PLU62	PLU72	PLU82	PLU92	PLU102	PLU112	VALIDATION	NOSALE	CANCEL	TKOUT
PLU5	PLU14	PLU23	PLU33	PLU43	PLU53	PLU63	PLU73	PLU83	PLU93	PLU103	PLU113	CLEAR	PLU	X/TIME	HARGE
PLU6	PLU15	PLU24	PLU34	PLU44	PLU54	PLU64	PLU74	PLU84	PLU94	PLU104	PLU114	7	8	9	HARGE
PLU7	PLU16	PLU25	PLU35	PLU45	PLU55	PLU65	PLU75	PLU85	PLU95	PLU105	PLU115	4	5	6	CHECK
PLU8	PLU17	PLU26	PLU36	PLU46	PLU56	PLU66	PLU76	PLU86	PLU96	PLU106	PLU116	1	2	3	UBTOTA
PLU9	PLU18	PLU27	PLU37	PLU47	PLU57	PLU67	PLU77	PLU87	PLU97	PLU107	PLU117	0	00	.	CASH

Click 'EditProgram → Scan Data', 'Select Program Data' window will pop up like above. It is reflect to the keyboard layout on the machine.



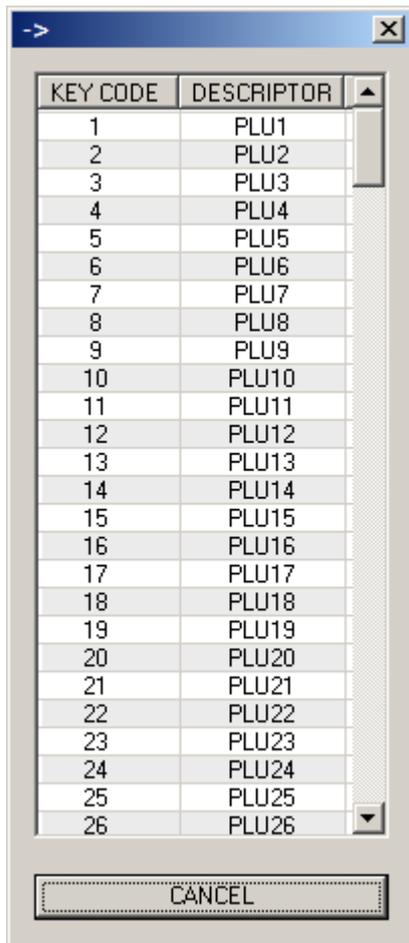
The 'File' menu (LHS above) for basic save/print function, 'View' (middle above) menu for program setting and 'Help' menu (RHS above) to find out the program version.



Click any key location on the layout, '->' window will pop up like above.

The '**DESCRIPTOR**' section allows to program the description and select the alignment method. A key can be programmed with up to 3 lines of descriptor with up to 10 characters in each line. When there is only 1 line descriptor, the 3<sup>rd</sup> line will grey out. Unless the 2<sup>nd</sup> line is being filled with any text. The Alignment method is preset '**CENTER**' for both '**VERTICAL**' and '**HORIZONTAL**'.

Click '**KEY CODE**' button to program the key location if another NLU/PLU key or function key is preferred; click '**KEY COLOR**' button to program the background color of the key location; or click '**SELECT FONT**' to program the descriptor.

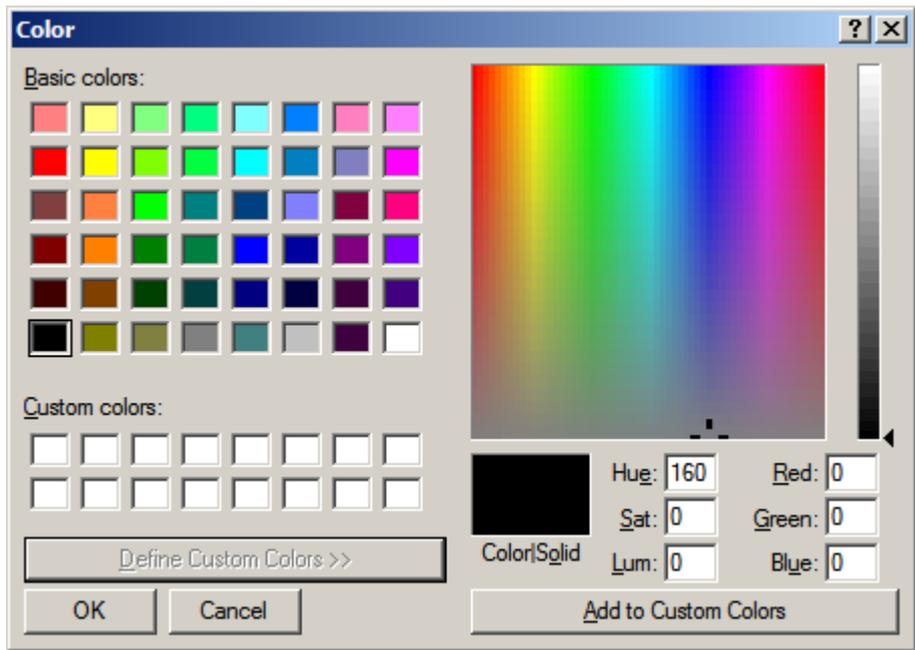


Click '**KEY CODE**', another '->' window (see left) will pop up for key selection include NLU/PLU keys and function keys. Scroll up and down for the key, click on that key and will close the current '->' window then back to previous '->' window.

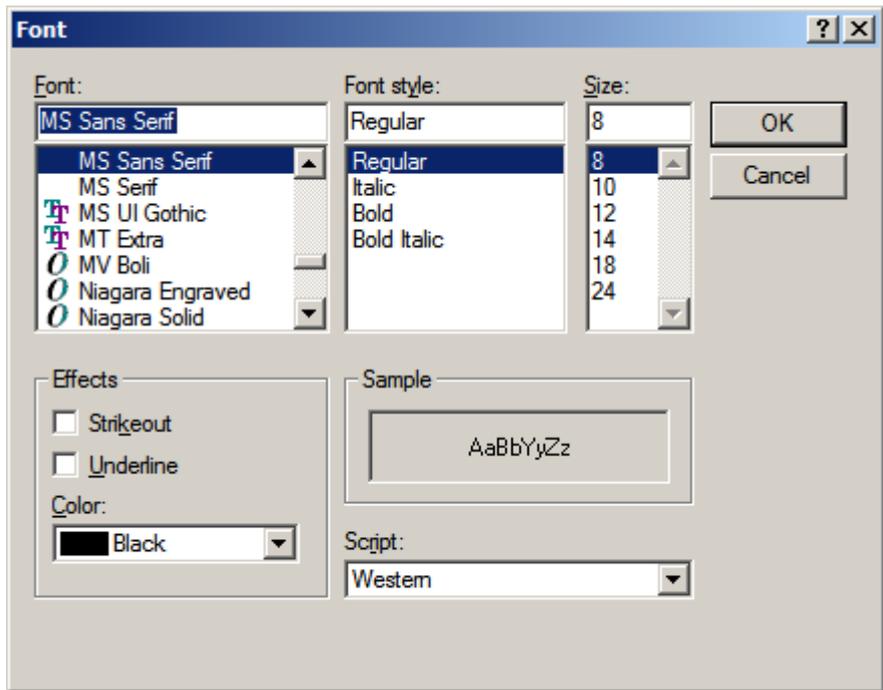
Part of this section covers **Function Key Assignment Programming** section in **Service Mode Programming** on the **Operation and Program Manual**. Please refer to the manual for detail.  
 Program 70 - Key Assignment Programming



Click '**Color**' bottom, the '**Color**' window (see left) will pop up for color selection. Click on the color one '**Basic colors**' to choose, or click '**Define Customer Colors >>**' bottom to expand the window for custom color selection (see below).



Click '**Add Custom Colors**' after a preferred color is found, then select that custom color from the '**Custom colors**' panel.

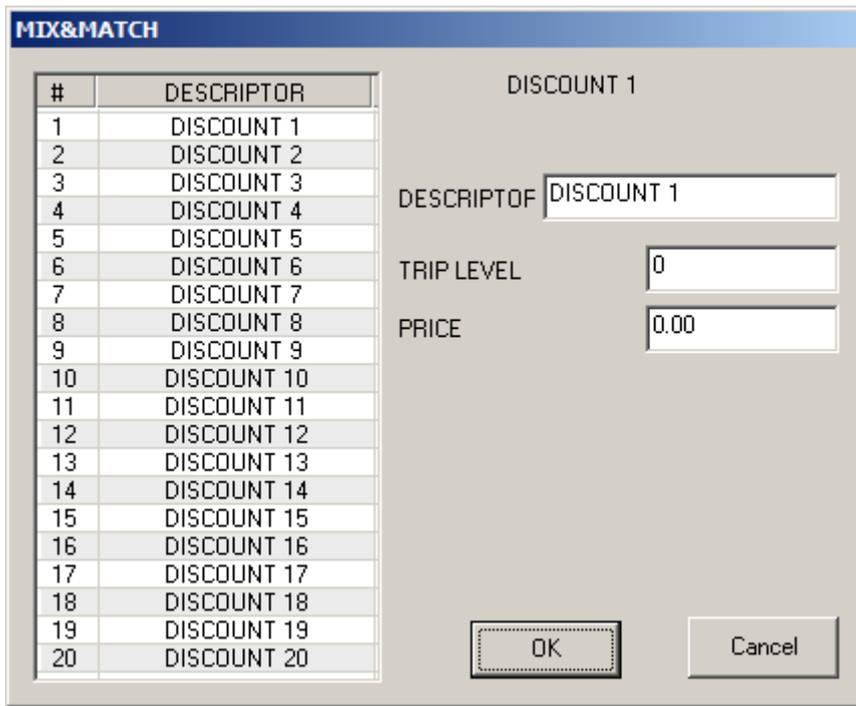


Click '**SELECT FONT**' bottom, the '**Font**' window (see above) will pop up. Scroll up and down if need for '**Font**', '**Font style**', '**Size**', '**Effects**' (include fixed color selection) and rarely touched '**Script**'. A '**Sample**' area gives a instant view of result. Click '**OK**' to save change and exit the window.



The '**Help** → **About KeyLayout**' to see the version of the '**About KeyLayout**' program window (like left).

Click 'EditProgram → Port', 'CommPort' window will show like above. Select port by click  then select from drop down list. Select the 'DEVICE FUNCTION', then change the 'BAUDRATE', 'PARITY', 'DATA BITS' and "STOP BIT" to suit the device (normally, this is the preset value and no need to change). For scale, then select the 'SCALE TYPE', or 'POLE DISPLAY TYPE' for pole display, EFT related options for EFTPOS unit, and rest PRINTER related options for Remote Journals or Remote Printers.



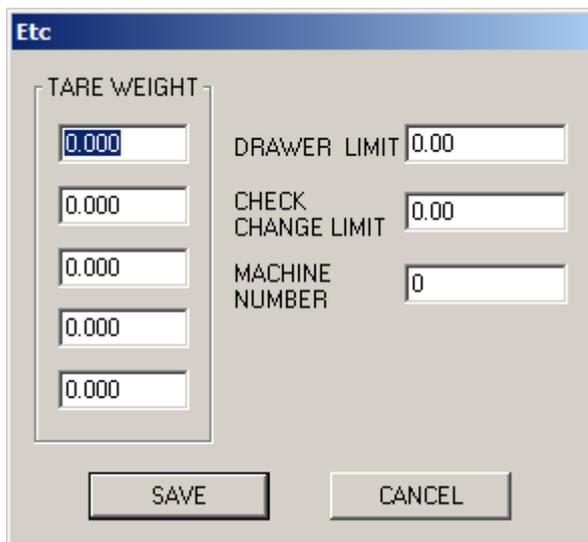
Click 'EditProgram → Mix & Match', 'MIX&MATCH' window will show like above. In this program, click the 'DISCOUNT' is going to be programmed on the LHS 'Mix & Match/Discount' list. The DISCOUNT's data will appear on the RHS fields. After all 'Mix & Match/Discount' are modified, click 'OK' bottom to exit the program.

This section covers **Mix & Match Programming** section on the **Operation and Program Manual**. Please refer to the manual for detail.

Program 600 - Trip Level Programming

Program 601 - Price Programming

Program 610 – Mix & Match Description Programming



Click 'EditProgram → Etc.(Tare, ...)', 'Etc' window will pop up like above. Enter the figures in to the fields refer to the detail on the manual. Click 'SAVE' to exit the program.

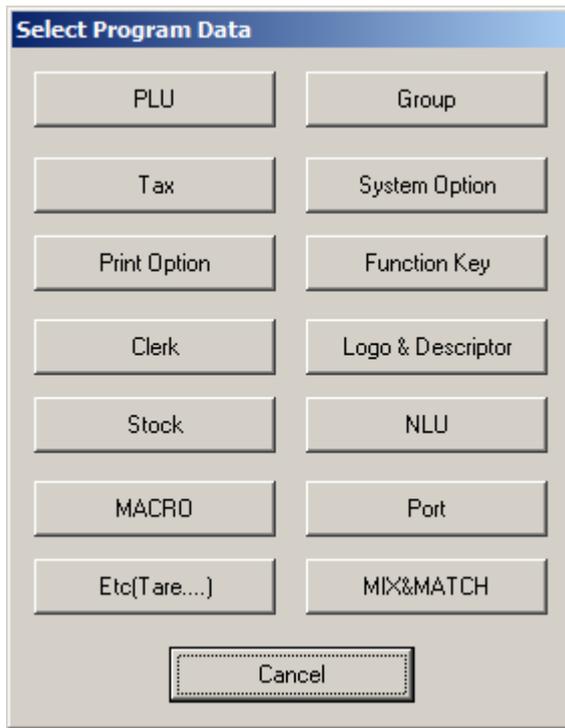
This section covers **Miscellaneous Programming** section on the **Operation and Program Manual**. Please refer to the manual for detail.

Program 1100 - Cash-In-Drawer Limit Programming

Program 1200 - Check Change Limit Programming

Program 1400 - Scale Tare Weight Programming

Program 1600 - Machine Number Programming



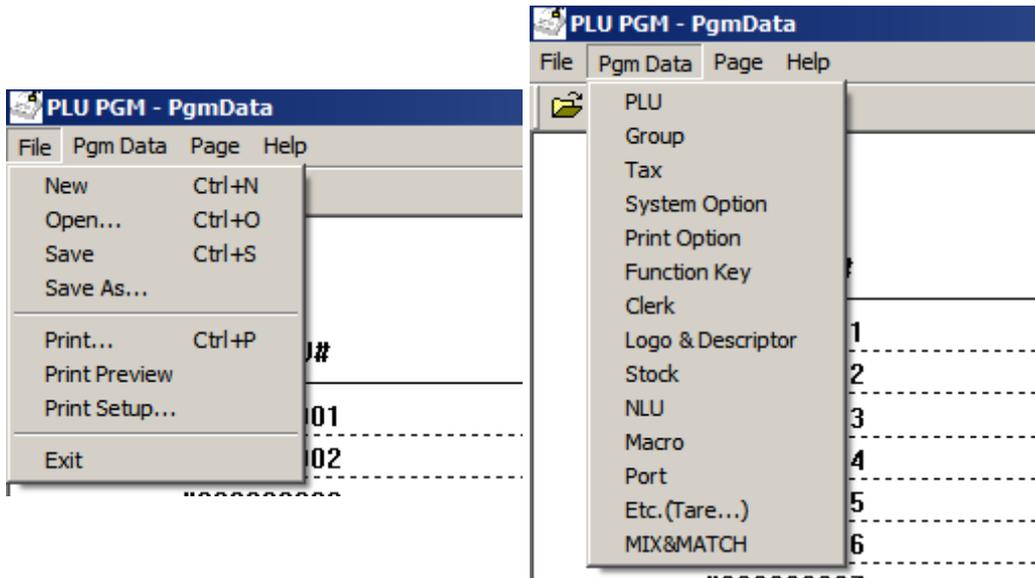
Click 'EditProgram → Scan Data', 'Select Program Data' window will pop up like above. Click 'PLU' bottom, the 'PgmData' windows will come up like below. (Here is using 'PLU PGM' as example.)

PLU PGM - PgmData

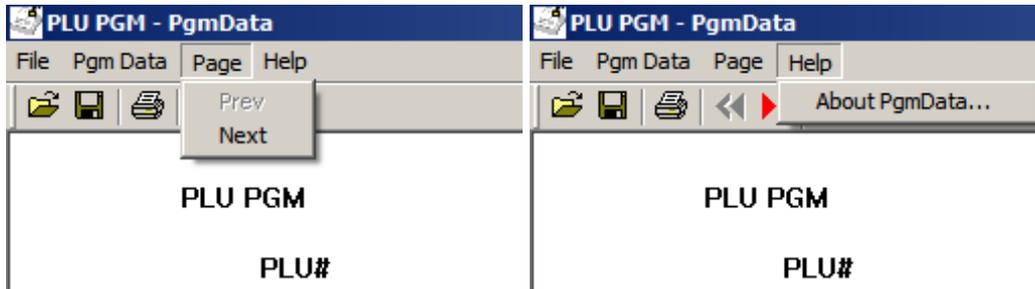
File Pgm Data Page Help

PLU#	DESCRIPTOR	PRICE1	PRICE2	GROUP	TAX
#00000001	Std single Gen	80.00	0.00	1 0 0	1
#00000002	Dlx Single Gen	95.00	0.00	1 0 0	1
#00000003	Std Single Gen	95.00	0.00	1 0 0	1
#00000004	Queen Dlx Dble gen	110.00	0.00	1 0 0	1
#00000005	Dlx Spa Dbl Gen	125.00	0.00	1 0 0	1
#00000006	Pacific Gen	140.00	0.00	1 0 0	1
#00000007	Std twin Gen	100.00	0.00	1 0 0	1
#00000008	Std queen Gen	115.00	0.00	1 0 0	1
#00000009	Std Spa Gen	130.00	0.00	1 0 0	1
#00000010	Extra Person	20.00	0.00	1 0 0	1
#00000011	Fold Away	10.00	0.00	1 0 0	1
#00000012	Baby Cot Linen	10.00	0.00	1 0 0	1
#00000013	Std Dinner Pkg	165.00	0.00	1 0 0	1
#00000014	Queen Dlx Pkg	180.00	0.00	1 0 0	1
#00000015	Spa Dlx Pkg	195.00	0.00	1 0 0	1
#00000016	Pacific Pkg	210.00	0.00	1 0 0	1
#00000017	Holiday Pkg Accom	452.50	0.00	2 0 0	1
#00000018	Holiday Pkg food	150.00	0.00	2 0 0	1
#00000019	Holiday Magic Singl	150.00	0.00	2 0 0	1
#00000020	Conf Room full	120.00	0.00	3 0 0	1
#00000021	Conf Room half	99.00	0.00	1 0 0	1
#00000022	Conf Grp Single	77.00	0.00	1 0 0	1
#00000023	Conf Grp Sgl Queen	88.00	0.00	1 0 0	1
#00000024	Conf Grp Dble	88.00	0.00	1 0 0	1
#00000025	Conf Grp Dbl Queen	99.00	0.00	1 0 0	1
#00000026	Conf Grp Triple	99.00	0.00	1 0 0	1
#00000027	Conf Grp Tri Queen	111.00	0.00	1 0 0	1
#00000028	Conf Grp x 4	111.00	0.00	1 0 0	1
#00000029	Conf all day Bvg	6.00	0.00	3 0 0	1
#00000030	Conf Tea /Coffee	3.00	0.00	3 0 0	1
#00000031	Conf Morning Tea	7.00	0.00	3 0 0	1
#00000032	Conf Cont Brekky	9.00	0.00	3 0 0	1
#00000033	Conf full Brekky	17.00	0.00	3 0 0	1
#00000034	Conf Mix SW/Quiche	12.00	0.00	3 0 0	1
#00000035	Conf Mini Pizza	15.00	0.00	3 0 0	1
#00000036	Conf Pastery/salad	5.00	0.00	3 0 0	1
#00000037	Conf Platter	25.00	0.00	3 0 0	1
#00000038	Bread Rolls	0.50	0.00	3 0 0	1
#00000039	Tea Coffee Arrival	1.50	0.00	3 0 0	1
#00000040	Budget BBQ	12.00	0.00	3 0 0	1

Ready NUM



The **'File'** menu (LHS above) for basic file open/save and print functions and **'Pgm Data'** menu (RHS above) for program selection.



The **'Page'** menu (LHS above) for Prev/Next page change and **'Help'** menu (RHS above) for **'PgmData'** version check.

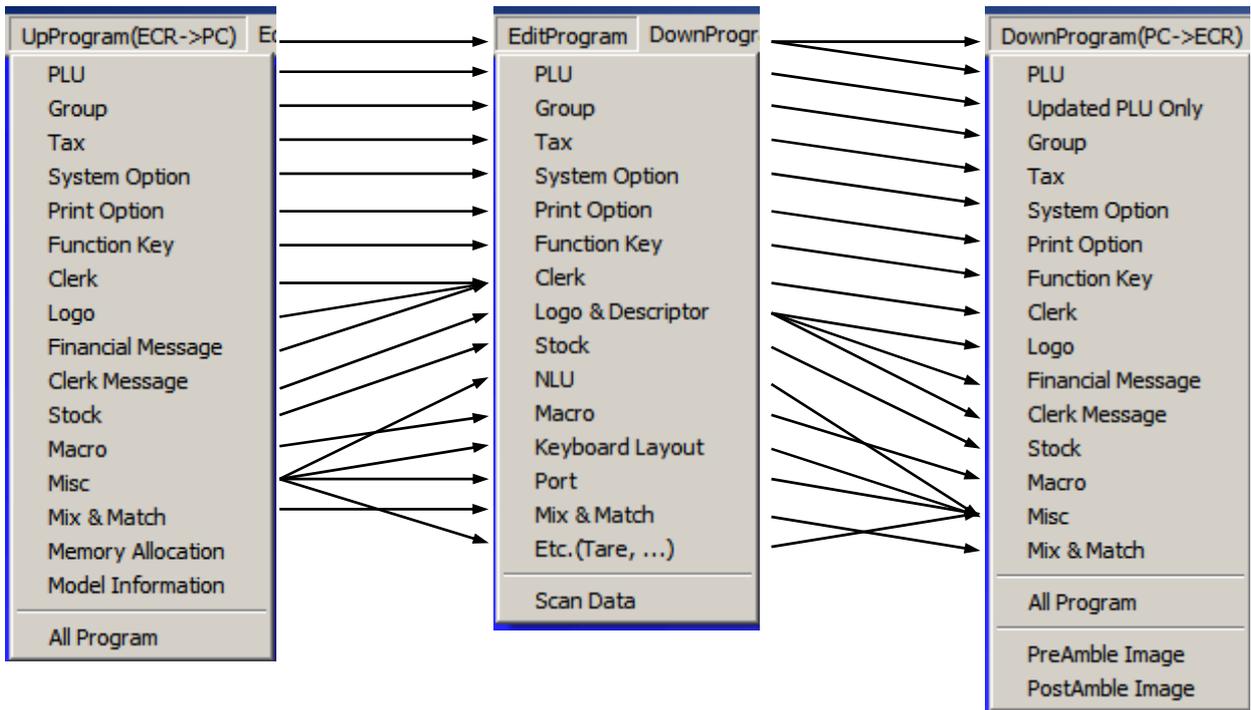
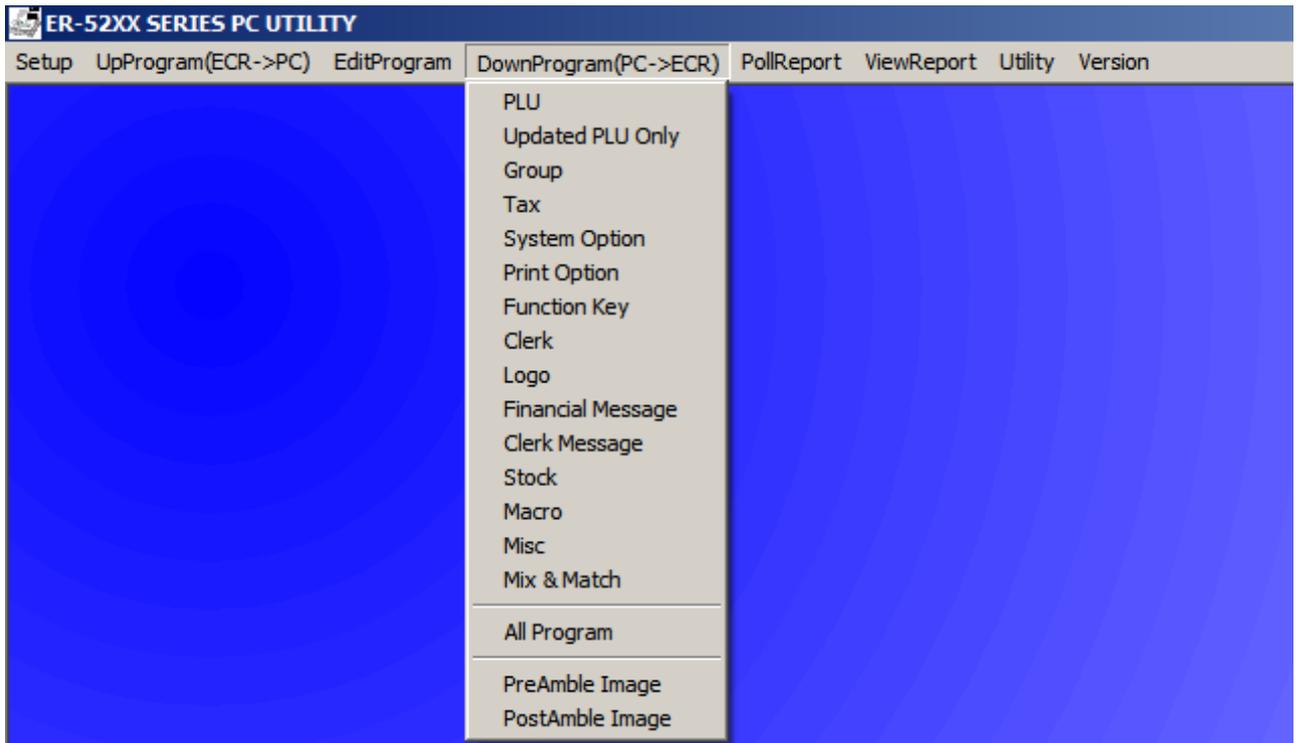


The **'About PgmData'** window (like above) for version information if needed.

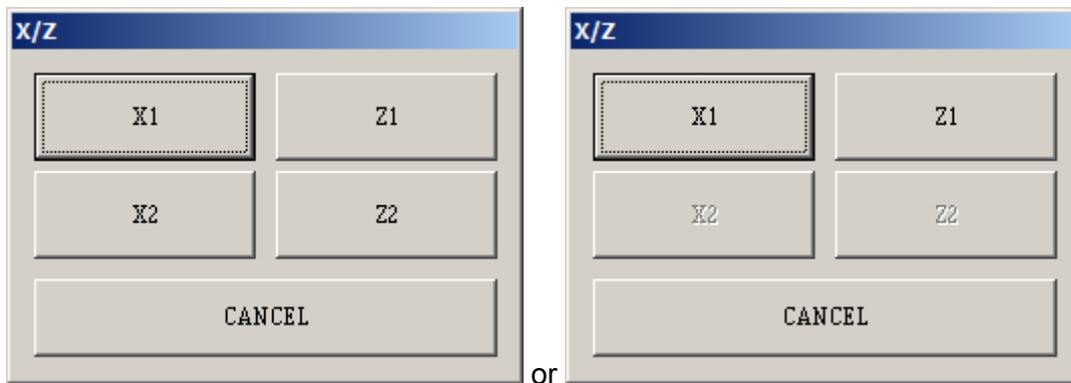
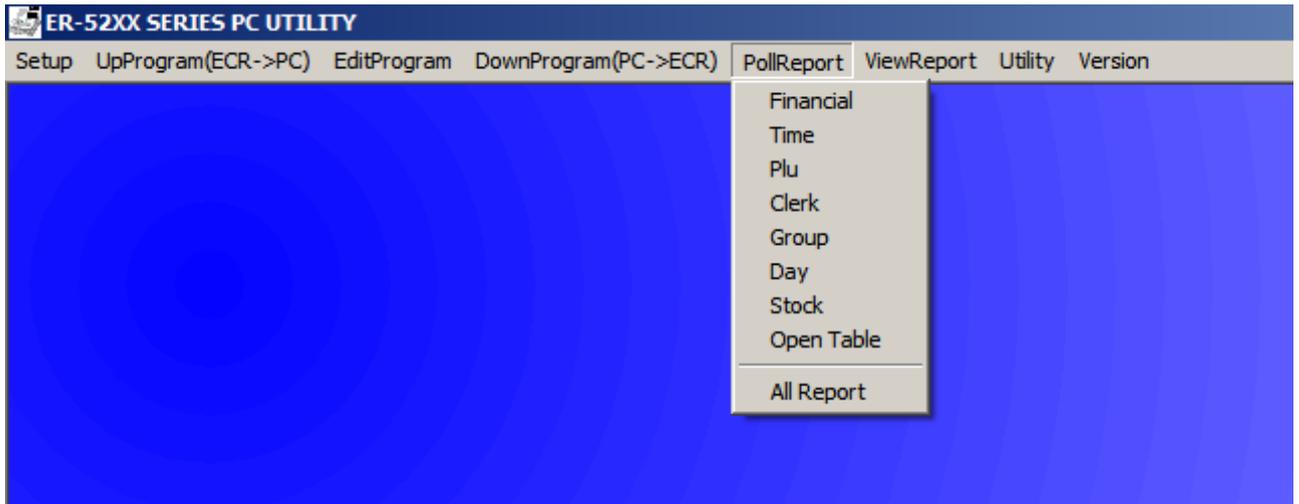
This section covers **Program Scans** section on the **Operation and Program Manual**. Please refer to the manual for detail.

Program 15 - Program Scans

7. The 'DownProgram(PC->ECR)' manual provides individual and all program download as well as image logo download of 'PreAmble Image' and 'PostAmble Image'.

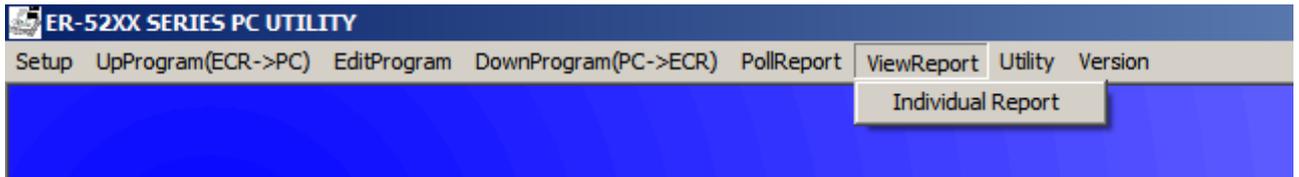


8. The **'PollReport'** manual provides individual and all reports pooling.

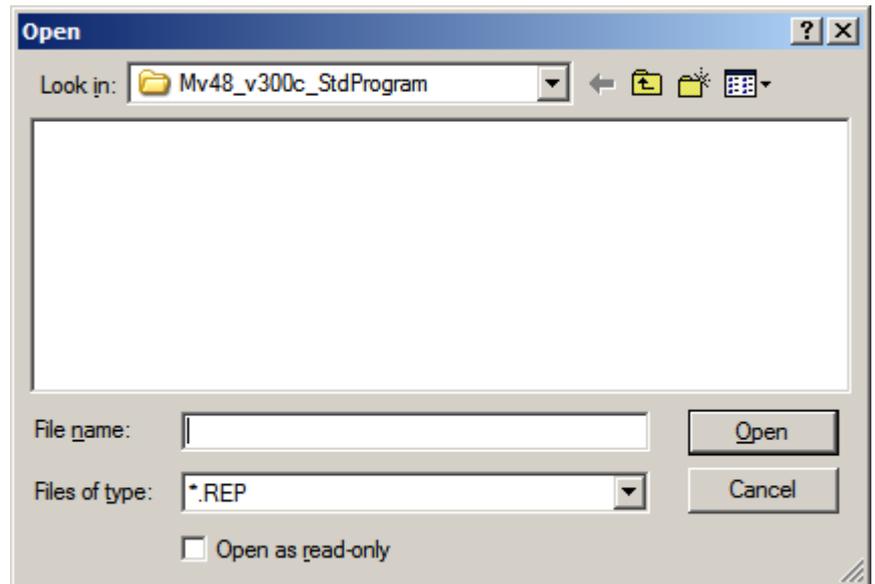
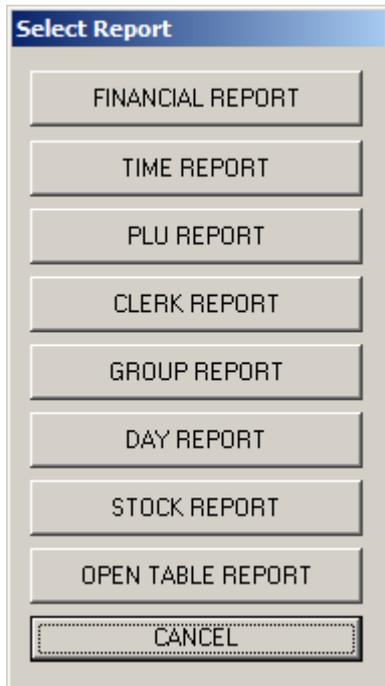


Click **'PollReport'** then select either one of the individual report or **'All Report'**, one of the windows above will pop up for the level of the report to choose from.

9. The **'PollReport'** manual provides individual and all reports pooling.



Click **'ViewReport → Individual Report'**, the **'Select Report'** window on the left will pop up for report select. Click on one of the report type, the **'Open'** window will pop up for report select like below.



The report file name, for example:

FIN220090514110258.REP

< 3 characters report name > + < 1 digit report level > + < report date > + < report time >.REP

Report Name:

FIN → Financial Report	CLK → Clerk Report	STK → Stock Report
TIM → Time Report	GRP → Group Report	TBL → Open Table Report
PLU → PLU Report	Day → Day Report	

Report Level:

0 → X1 Report      1 → X2 Report      2 → Z1 Report      3 → Z2 Report  
**'Stock Report'** and **'Open Table Report'** have X1 and Z1 level only.

Date Format:

YYYYMMDD

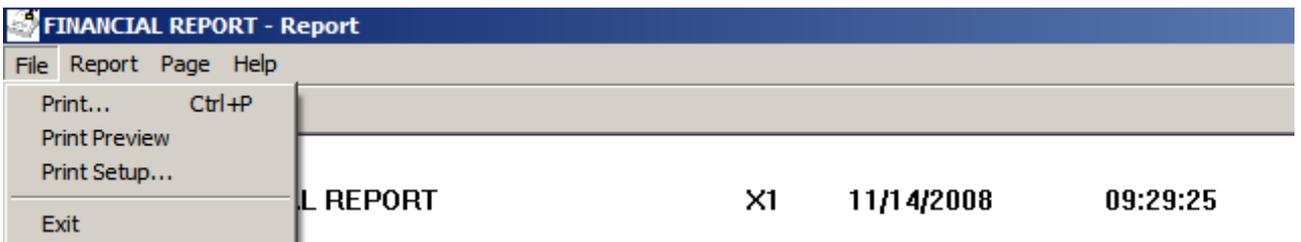
Time Format:

HHMMSS

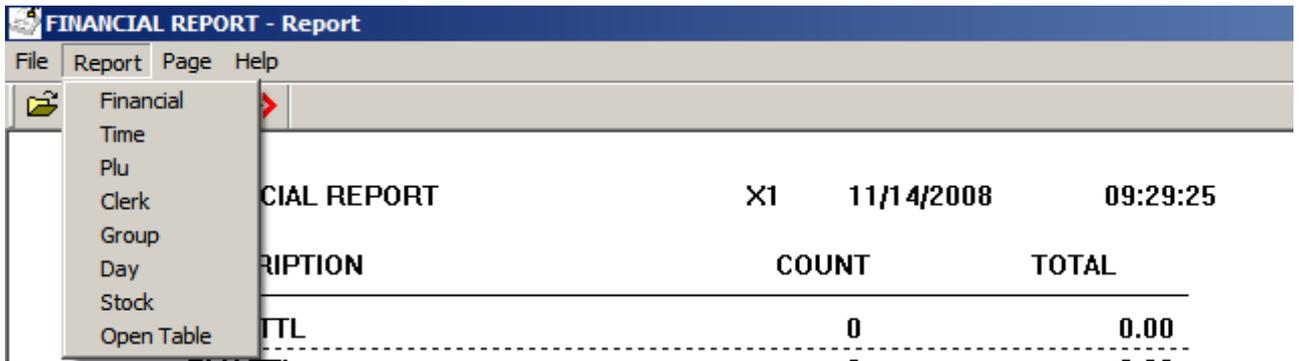
After click **'Open'**, the **'Report'** window will pop up. Here use the financial report as an example.

DESCRIPTION	COUNT	TOTAL
+PLU TTL	0	0.00
-PLU TTL	0	0.00
ADJST TTL	0	0.00
NONTAX	0	0.00
GST SALES	0	0.00
TAX2 SALES	0	0.00
TAX3 SALES	0	0.00
TAX4 SALES	0	0.00
GST	0	0.00
TAX2	0	0.00
TAX3	0	0.00
TAX4	0	0.00
XMPT1 SALES	0	0.00
XMPT2 SALES	0	0.00
XMPT3 SALES	0	0.00
XMPT4 SALES	0	0.00
EATIN TTL	0	0.00
TAKEOUT TTL	0	0.00
DRTHRU TTL	0	0.00
% 1	0	0.00
% 2	0	0.00
% 3	0	0.00
% 4	0	0.00
% 5	0	0.00
NET SALE	0	0.00
CREDIT GST	0	0.00
CREDIT TAX2	0	0.00
CREDIT TAX3	0	0.00
CREDIT TAX4	0	0.00
FD/S CREDIT	0	0.00
RETURN	0	0.00
ERROR CORR	0	0.00
PREVIOUS VD	0	0.00
VOID MODE	0	0.00
CANCEL	0	0.00
GROSS SALES	0	0.00
CASH SALES	0	0.00
CHECK SALES	0	0.00
R/A 1	0	0.00
R/A 2	0	0.00

The total view of report window.



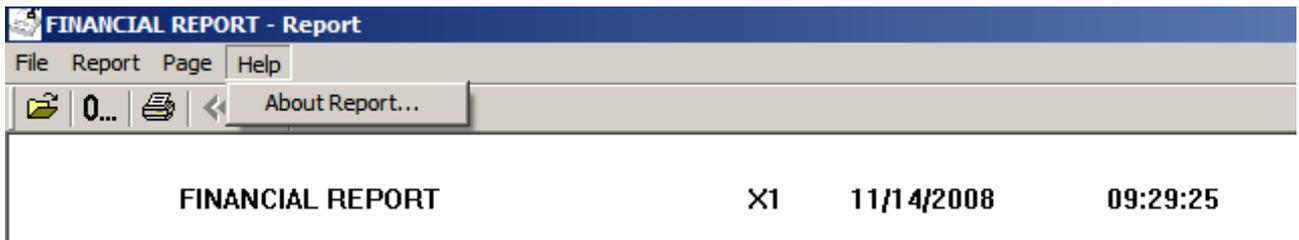
'File' menu of 'Report'.



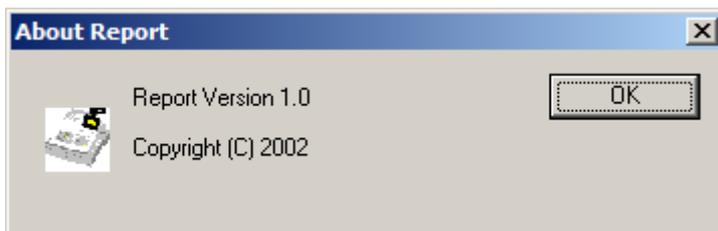
'Report' menu of 'Report'. Allows to select from different report.



'Page' menu of 'Report'. Allows to go to Next/Prev page.

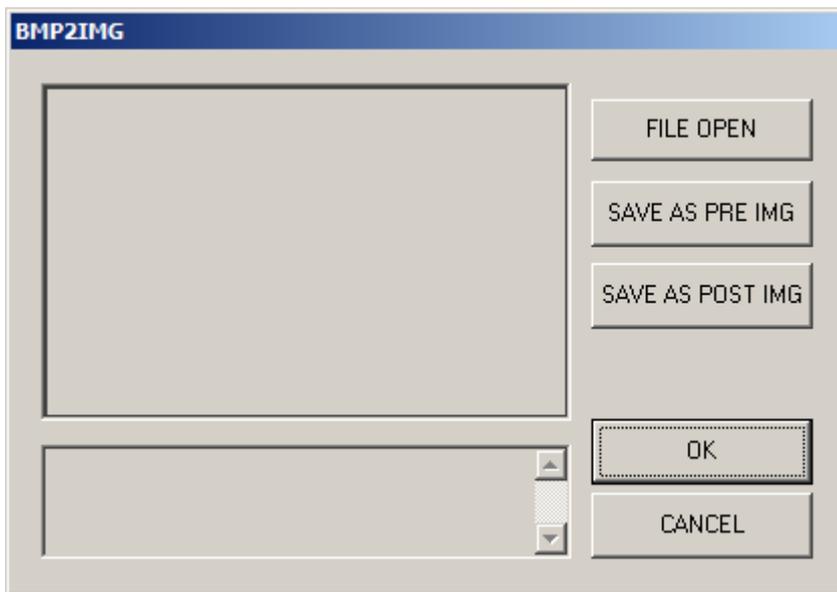
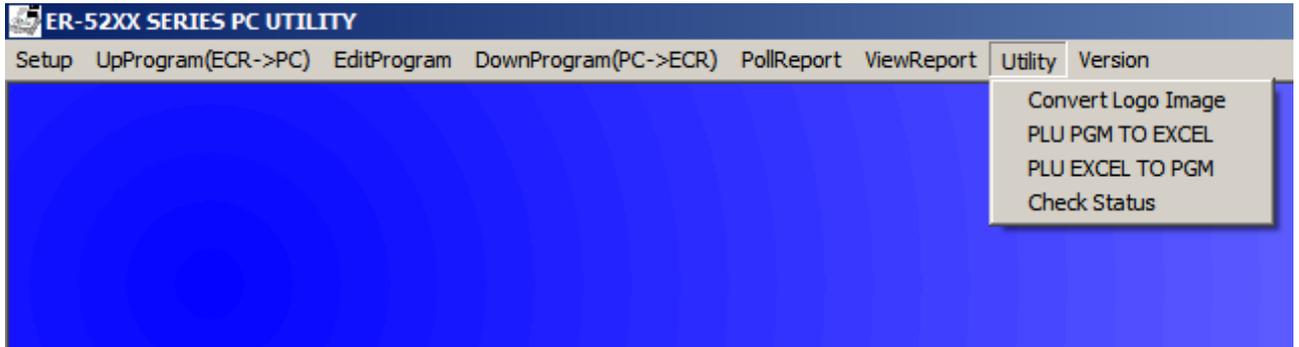


'Help' menu of 'Report'. Allows to check the Version of this software.

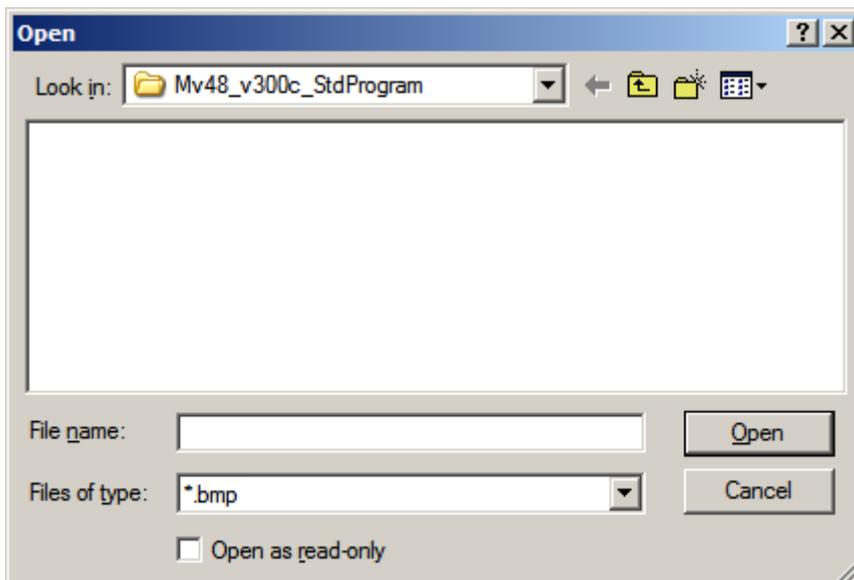


This section covers **X/Z Mode - Report** section on the **Operation and Program Manual**. Please refer to the manual for detail.

- The **'Utility'** manual provides additional functions to make Sam4S ER-52xx series cash register more attractive and earlier to transfer PLU data. With the ability to check the communication between PC and cash register.



Click **'Utility → Convert Logo Image'**, the **'BMP2IMG'** window will pop up like above. This allows importing monochrome (black & white) Bitmap format images for preamble and/or postamble logo image to print on the Receipt and/or GuestCheck, with or without your text logo descriptors. Click **'FILE OPEN'** bottom, the **'Open'** window will pop up for file searching.



Click **'Open'** bottom after the file is found to load the **'\*.bmp'** file.



The image will appear on the 'BMP2IMG' window like above. Click '**SAVE AS PRE IMG**' bottom to save as '**UserPre.Img**' or '**SAVE AS POST IMG**' bottom to save as '**UserPost.Img**'. Click '**OK**' to exit the 'BMP2IMG' window.



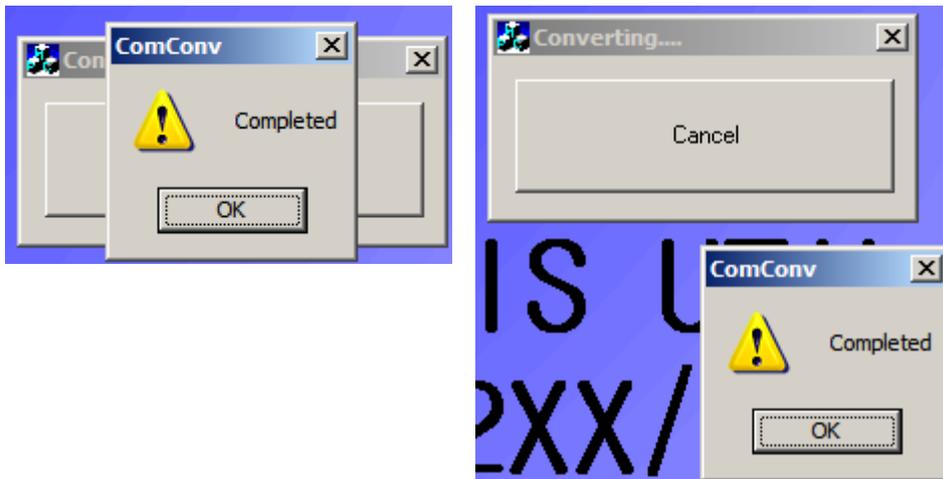
The error message will appear like above when the Bitmap format file size is not correct. Please check the \*.bmp file.

to “download of '**PreAmble Image**' and '**PostAmble Image**” on page 28.

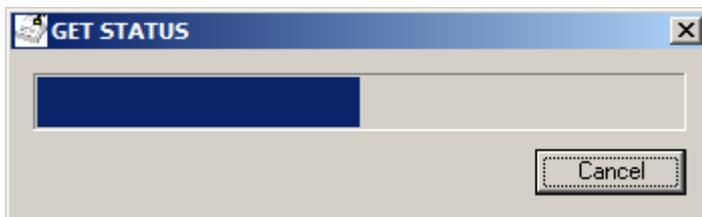
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Then refer Note: For how to prepare a monochrome (black & white) Bitmap format images, please make an inquiry then referring to '**Graphic logo Settings .pdf**' file.

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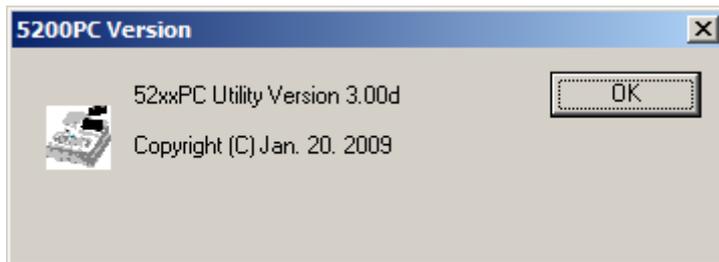
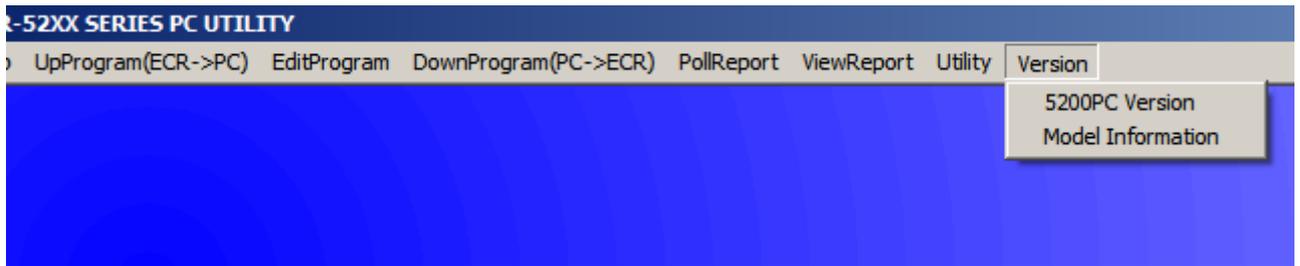


Click '**Utility** → **PLU PGM TO EXCEL**' and '**Utility** → **PLU EXCEL TO PGM**' the windows like above will appear and automatically finish. A excel format file named '**PLU.csv**' will create in the specific customer folder and can be edit and modified then convert back for ECR use.

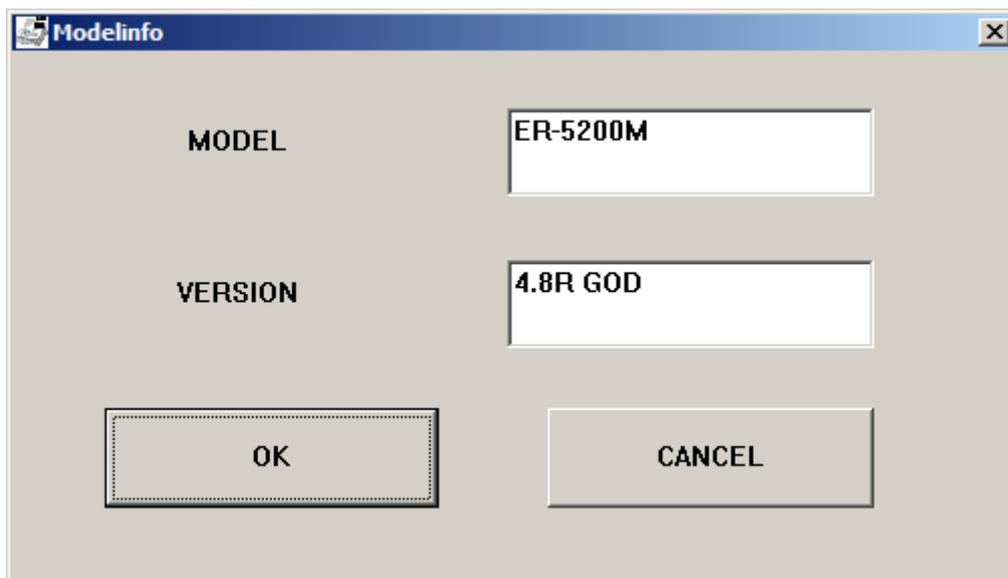


Click '**Utility** → **Check Status**', the '**GET STATUS**' window will pop up like above. This function provide the ability to check the communication between PC and cash register on the connect cable.

11. In '**Version**' manual, there are two functions to find version information of PC Utility, machine model and EPROM version on the machine.



Click '**Version** → **5200PC Version**', '**5200PC Version**' window will pop up like above. This information is essential when an inquiry is going to be raised.



Click '**Version** → **Model Information**', '**Modelinfo**' window will pop up like above. Due to ER-52xx series has 6 different models and there are slightly differences between them. With this '**52XXNEWPC300d**' PC Utility is working with all of 6 models, this information tells what the machine model and EPROM version is.