

# RX-8TX



## *Instruction Manual*



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## Vision

Share the wisdom and wealth for welfare of external and internal customers, business associates and society at large.

## Mission

Innovation, Improvement and Institutionalisation shall be the pillars of our business

- Electronic Weighing Systems & Solutions
- World-class products to meet the needs of local and global market

## Quality Policy

Essae-Teraoka commits itself to Total Quality and shall **constantly strive to earn “Customer Delight”** by assuring quality in all activities.

Commitment to Quality Policy, Constancy of Purpose and Continuous Improvement are our guiding values.



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## Welcome

Essae family welcomes you to the fraternity of Essae users. We thank you for choosing our product. We, at Essae-Teraoka Pvt Limited, extend a very hearty welcome to the Essae club and assure you of our best services for optimum utilization of our product and services.

Essae family congratulates you for the choice of the machine. Thank you for the confidence reposed on us and we assure you of our best services.

We are honored by your choice and proud of our association. The journey of thousand miles will have to start with the first step. We have taken the first right step together in the journey of our business. Welcoming you once again to Essae Club and wishing you all the best.

Essae Family

## Document Revision History

Rev	Rev Date / Version No	Prepared By	Checked By	Details of Revision
0	13/4/2022 / RXPR56.03	V.Nagarajan	SS Venkatesh Babu	First Release
1	31/5/2022 / RXPR56.03	V.Nagarajan	SS Venkatesh Babu	Essae Logo colour in key sheet is change to White colour
2	10/10/2022 / RXPR56.04	V.Nagarajan	V.Nagarajan	<b>Barcode Data variable “g” is added for GS1 check digit.</b>
3	26/12/2022 / RXPR56.05	V.Nagarajan	V.Nagarajan	<b>“Battery Low” display and machine going off is solved.</b>
4	27/12/2022 / RXPR56.06	V.Nagarajan	V.Nagarajan	<b>Battery sensing voltages are changed because of modification in revision 3. Corrected in this version.</b>
5	6/7/2023 / RXPR56.07	V.Nagarajan	V.Nagarajan	<b>1kg/0.1g capacity/accuracy, Gross, net and tare weight printing in label was not correct. This is resolved.</b>
6	28/10/2023 / RXPR56.08	V.Nagarajan	V.Nagarajan	<b>Ethernet reinitialize without cable connected issue is solved.</b>
7	20/2/2024 / RXPR56.09	V.Nagarajan	V.Nagarajan	1. Label usage information is implemented. 2. In Menu>Label Settings>Date Format, YY-MM-DD is added.
8	25/6/2024 / SIPR56.15	V.Nagarajan	V.Nagarajan	1. WiFi module is changed to ESP32-C3-WROOM-02U. 2. Unit Sale Price (USP) is implemented in label. Using Label design, place Department name for USP to print. If weight is less than 1kg, USP is printed as Rs x.xx/g otherwise printed as Rs x.xx/kg. For non-weighing item, USP is printed as Rs x.xx/pc.

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# I. INTRODUCTION

The RX is designed and developed for Retail and super market segments, with highly integrated communication facilities and networking interface.

The RX is user-friendly menu driven system and is equipped with advanced features, various reports, a high degree of flexible configurations and ability to be customizable at the installation sites to the specific requirements of customers.

Please remember, for proper installation and training please call service engineers at the closest branch of ours.

Meaning of Sign	
Caution 	Indicates a potential problem if neglected, may result in improper functioning of the system.
Note 	Used to emphasize essential information

## II. OVERALL RX-850 DESIGN

### 1. RX-850EV Top View



### 2. RX-850EV Bottom View



RS232

USB HOST

ETHERNET

### 3. Salient Features of RX-850

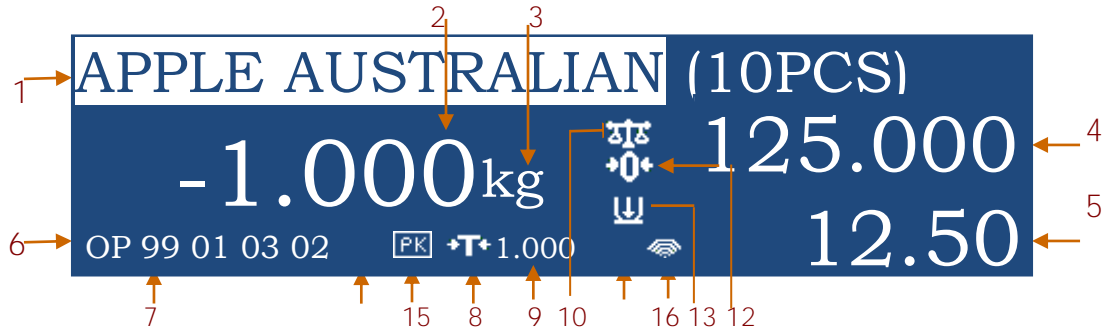
- ❖ Easy to operate
- ❖ Speedy Labeling .
- ❖ Graphical LCD with pleasant white backlight.
- ❖ Soft key concept with context sensitive key functions.
- ❖ Different methods of communications: RS232 (1 no.), Ethernet, USB host for Keyboard and WiFi.
- ❖ All options are controlled from menu system.
- ❖ Mapping of logical devices to physical devices option enables rerouting of data output/input to working physical device.
- ❖ Philips ARM processor based design.
- ❖ Compact Smart Machine with Integrated power supply.
- ❖ 5000 PLUs standard, can [be extended to 9999 PLUs](#) by factory option. PLU can be listed by Number, Name and Code. PLU can also be searched by Number, Name and Code.

### III. DISPLAY & KEYBOARD

#### 1. Display

##### 1.1. Main Operational

Display will look as below when all the options are enabled.



- |  |  |
|--|--|
| 1. Active PLU Name   | 2. Weight on the platter.                  |
| 3. Unit of weight selected.  | 4. Total Price                             |
| 5. Rate(Unit Price)  | 6. Active Operators                        |
| 7. Current Operator  | 8. Tare weight indicator                   |
| 9. Tare Weight   | 10. Stability indicator                    |
| 13. PLU Reorder, Blinks when current PLU Stock is less or equal to Reorder value | 12. Zero weight indicator                  |
| 15. Prepack Indicator  | 16. Wifi connected/Blink for data transfer |

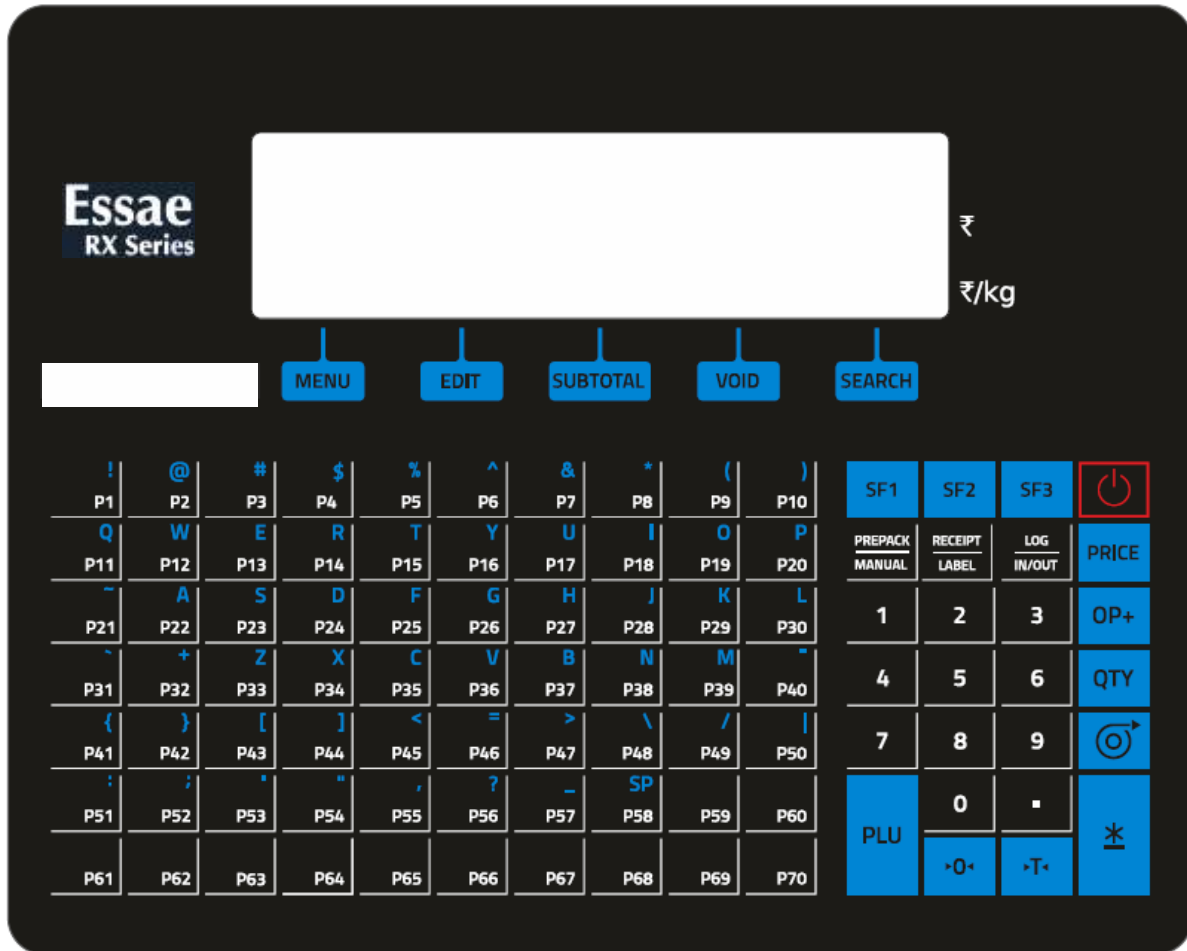
##### 1.2. Customer Display

Customer Display will be as identical as main display but without soft keys. Customer Display can on the Pole or on rear side.



## 2. Keyboard

- Keyboard consists of 4 different groups of keys.
  1. Functional keys
  2. Numeric keys
  3. Preset Keys
  4. Soft keys



### 2.1. Functional keys



**Rezero:** For rezeroing weight within acceptable limit. It is also used for clearing all entered characters at once.



**Tare:** To do *One touch* and *Digital Tare* within acceptable limit. It is also used to return to the application.



**Feed:** To give Label/Paper *feed* to the printer.



**Print:** In application mode, last item will be added to bill and then bill will be closed and the corresponding Item Label/receipt and or Total Label will be printed.



Qty: For changing item quantity. To clear and set quantity in “Intelligent” PLU recall method.



Price: For changing PLU unit price temporarily. To clear and set price in “Intelligent” PLU recall method.



OP+: For adding item to the selected operator. To print Item labels.



PLU: To recall programmed PLU. To clear and set PLU in “Intelligent” PLU recall method.



Prepack/Manual: To select between Prepack and Manual modes.



Log/In/out: For log in and out operators.



SF1 to SF3: For special function keys. Not used currently.

## 2.2. Numeric keys

Used for entering numerical values.



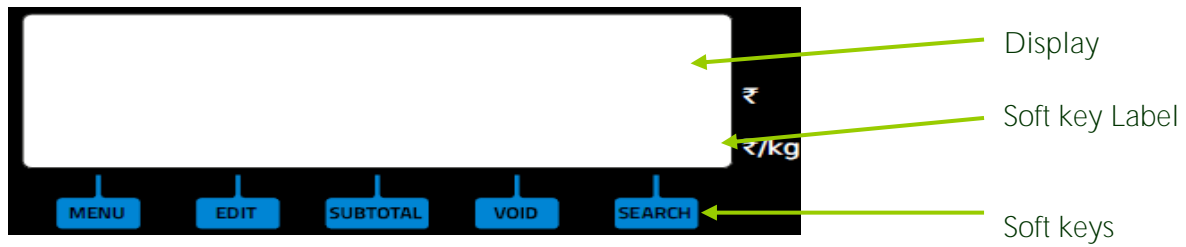
## 2.3. Preset Keys

Used to recall or store programmed PLU and functional keys.

70 preset keys are available.

!	@	#	\$	%	^	&	*	(	)
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Q	W	E	R	T	Y	U	I	O	P
P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
~	A	S	D	F	G	H	J	K	L
P21	P22	P23	P24	P25	P26	P27	P28	P29	P30
`	+	Z	X	C	V	B	N	M	-
P31	P32	P33	P34	P35	P36	P37	P38	P39	P40
{	}	[	]	<	=	>	\	/	
P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
:	;	'	"	,	?	-	SP		
P51	P52	P53	P54	P55	P56	P57	P58	P59	P60
P61	P62	P63	P64	P65	P66	P67	P68	P69	P70

## 2.4. Soft keys



- 5 soft keys are provided.
- Names of these soft keys are present in the display as soft key labels.
- If all soft key labels are not present then names below soft keys are referred.
- A Soft key label depends on the context.

## PC keyboard keys mapped to RX keyboard keys

PC keys F1 to F12 are mapped to RX keyboard special function keys as shown below. This mapping allows us to work only using PS2 keyboard even if RX keyboard is not available.

PC Keyboard	RX Keyboard
F1	Soft key 1
F2	Soft key 2
F3	Soft key 3
F4	Soft key 4
F5	Soft key 5
F6	Power On/Off
F7	Rezero
F8	Tare
F9	PLU
F10	QTY
F11	Price
F12	* (STAR)
- (Numeric key pad)	PF
+ (Numeric key pad)	OP+



During power ON, if keyboard controller is not working then SI will be switched ON automatically and the "Keyboard-fail" message will be displayed.

Some of soft key function can also be mapped to PS keyboard keys as shown below:

PC Keyboard	RX soft keys
↑ (Up arrow)	Up
↓ (Down arrow)	Down
→ (Right arrow)	Select
← (Left arrow)	Back, No
↵ (Enter)	Enter, Yes, Use, Save, Ok, Send, Test, Output, Next, Print, PLU, Edit
⌫ (Back Space)	Clear
Esc	Quit, Escape to application (This is also done using Tare key).

## IV. BASIC OPERATIONS

### 1. Switching On And Off

Briefly pressing  (ON/OFF) key, switches RX on or off.

When RX is switched ON, display shows “Essae” logo and then power on self-check of currently available hardware configuration takes place.

If any hardware is not O.K, then “fail” message will be shown:

```
System Configuration - Pass
RTC - Pass
UART - Pass
Keyboard - Pass
ADC - Pass
File System - Pass
```

Once the weight display appears, RX is ready to operate.

The power on will also recall the last active operator, selected PLU, Unit Price, quantity, item discount, subtotal discount, and cash.



Switch off key will work only in application and menu mode.


If “Menu> Communication> Ethernet> DHCP Enable” is set as ‘Yes’ then during self-check of Ethernet hardware configuration, Ethernet (DHCP) will be displayed.

### 2. Setting Date And Time

- Time can be set in 24 hours format only. Date and time are to be entered in “DDMMYYYYHHMMSS” format without spaces.
- Press Menu soft key.
- Press Down soft key to navigate to Settings.
- Press Select soft key.
- Select Date and time by pressing Select soft key.

```
Date Time D M Y H M S 13072009115253
Key Buzzer
ON/OFF Bypass
Machine Name
Machine Number
Enter Back Change Clear
```

- Clear old date and time by pressing Clear soft key continuously till all the characters are cleared or press Rezero key to clear all characters at once.

- Use keyboard to enter date and time in DDMMYYYYHHMMSS format and confirm with Enter soft key. Incorrect inputs can be deleted with the Clear soft key.
- To return to application mode press  key.

### 3. Weighing

- Place the object to be weighed on the platter.
- Wait until the weight is stable.



This symbol appears when weight is Stable.

- Read indicated weight.

### 4. Weighing With Tare

There are two methods for tarring weights: One Touch Tare and Digital Tare. The Tare operation temporarily overrides the currently selected PLU tare if any.

## 4.1. One Touch Tare.

- This method is used when tare weight is not known.
- Place the empty weighing container on the platter.
- Press **→T←** key to tare the weighing container.
- Once the weight is tared, Zero display and tare symbol will appear.
- Place the material to be weighed in the container and then read the weight.



- If automatic tare is activated then there is no need to press tare key.
- The tare weight is retained until either a new tare is determined or RX is switched off.

## 4.2. Digital Tare

When 'Menu> Label Settings>PLU Recall Method is Manual'.

- In application mode, enter numerical values directly in the currently selected unit and then press tare key.



- The tare values entered will appear in the display with a negative sign and the symbol **→T←**. As soon as the weighing container with the corresponding weight is placed on the platter, the zero display appears.

## 4.3. Clearing Tare

Do Tare operation either by one Touch tare or digital tare method as above.

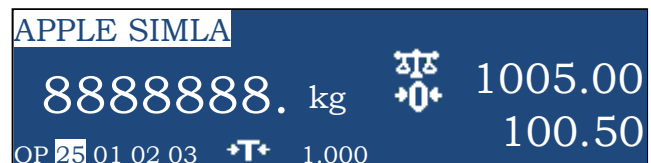
Remove the weight along with the container, the display will read -tare value, press **→T←** key, Tare will get cleared.



If auto Tare clear is enabled and auto tare clear condition is satisfied, the tare will get cleared automatically once you remove weight along with the container.

## 5. Rezero Operation

Weight can be zeroed at any time with the **→0←** key in application mode provided the following condition:



### 5.1. Limit

Weight can be rezeroed only if it is within the range specified in rezero tracking range (i.e. 'Menu> Scale>Zero> Rezero Tracking Range').

### 5.2. Rezero when weight is stable

This condition depends on the option selected in 'Menu> Scale> Zero> Rezero on stable'.

If 'Yes' is selected, then weight can be zeroed only if it is stable.

If 'No' is selected, then weight can be zeroed for both stable and unstable weights.

### 5.3. Rezero when tare present

Zeroing of weight when tare is present depends on the option selected in 'Menu> Scale> Zero> Weight zero on Tared'.

If 'Yes' is selected, then weight can be zeroed even when tare is present.

If 'No' is selected, then weight can't be zeroed when tare is present.

During rezero operation, weight will be displayed as "8888888." which will remain for a maximum of 2.5 second if conditions for successful operation of rezero not yet attained.

## 6. RX-850 Label Loading

1. Open Label Printer Door



2. Remove 4 or 5 blank Labels based on Label height. Guide the Liner (back) paper as shown.



3. Make sure it passes through Label Gap Sensor, between Platen and Head to the re-winder spool

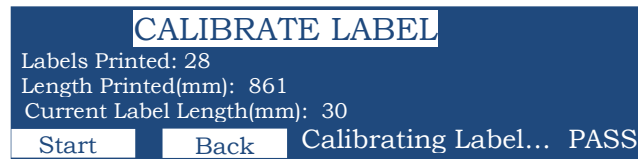


4. Close the Printer door and give Label feed so that a proper label comes out.

## 7. RX-850 Label Calibration

When label is not ejecting properly or there is change in label size it is recommended to calibrate label.

For calibration go to “Menu>Label Settings> Calibrate Label”, the below screen is prompted:



Load Label roll and press Start key. The labels will come out without printing. During Calibration peel off sensing is disabled. For calibration Maximum 3 label or Minimum 2 labels will be used. After calibration, “PASS” or “FAIL” or “Timed Out” message is shown.

In case no proper media is put, then motor will run for a maximum length of 3 x110mm i.e. (330 mm length).

## V. ENHANCED FUNCTIONS

### 1. Password

We can set user password for entering into menu. By default no password is present. Follow below steps to set up a new password or alter existing password.

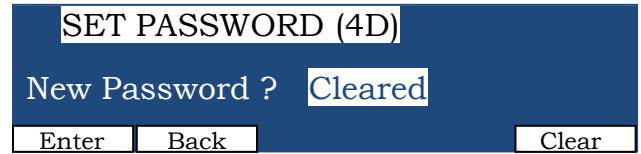
1. User password can be set in 'Menu> Settings> Set Password>'.
2. Enter the password. Password should be only 4 digit numeric value.
3. Entered numbers are indicated by \*.
4. Any value other than numbers are indicated by '?'
5. Press Enter soft key to save the password.
6. Once Enter soft key is pressed, RX will prompt to retype the same password for confirmation.
7. Enter same password again.
8. If both passwords are same then RX will display "Accepted" message.
9. If passwords are different then RX will prompt to enter new password.
10. Incorrect inputs can be deleted with the Clear soft key.
11. Press Back soft key to exit password setting screen without storing any changes.



1. Password can be only 4 digit numeric value.
2. User password can be overridden using the override password of 2507.
3. **While entering password, any value other than numbers are indicated by '?'.**
4. User password can be cleared by the overriding password i.e. 2507.
5. If any user password is present then password is prompted every time while entering menu.

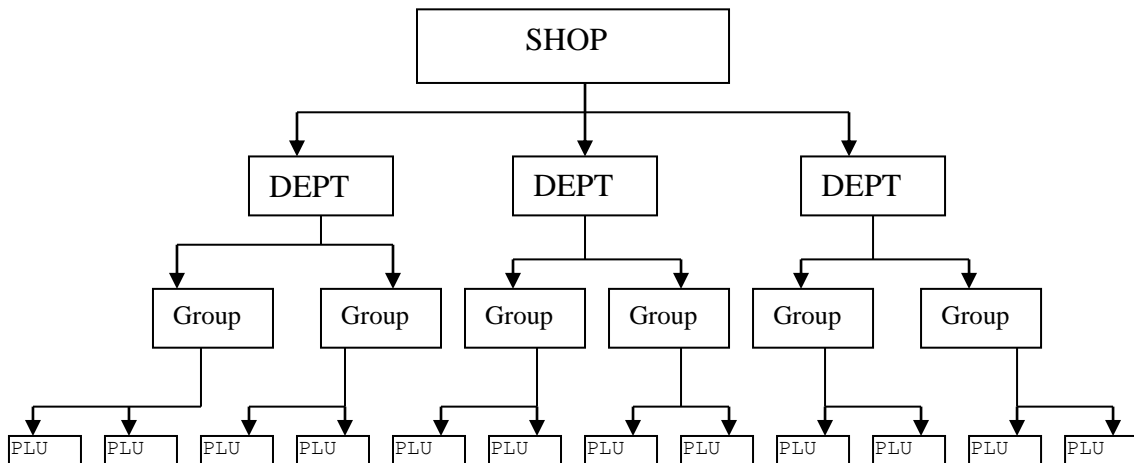
6. Following settings are protected from user, which needs 2507 password.
  - o All options in Menu> Scale>
  - o Menu> Settings> Machine Number
  - o Menu> Settings> Calibrate Scale
  - o Menu> Settings> Load defaults
  - o Menu> Settings> Format flash file system.
  - o Menu> Settings> Cash Drawer Open Pulse.
  - o All options in Menu> Mapping.
  - o All options in Menu> Hardware Configuration.
  - o All options in Menu> Diagnostic.
7. Suppose if user forgets his password then it can be cleared in the following way:

- ◆ While entering Menu, enter override password of 2507.
- ◆ Now select Set Password.
- ◆ Without entering any values, just press Enter soft key. Now User password is cleared and RX will display “Cleared” message.



## 2. Item Management Levels

The Shop, Department, Group and PLU will be linked as shown :



- There are 5000/9999 PLUs, 999 Groups, 99 Departments.
- Preprogrammed tax and discount can be applied to department, group and PLU.
- The lowest level will have the highest priority. For instance if tax is programmed to a group as well as PLU, then for the transaction, the tax of PLU will be applied. If a PLU and its group is not having tax but its department is having a tax, then tax of department is applied.
- Temporary discount can override the preprogrammed discount.
- Temporary tax override is not possible.
- Tax and discount will be enabled from global settings individually in “Menu> Settings> Tax Enable and Discount Enable”.

## 3. PLU

The following operations describe the working of the PLU.



All weight Values are to be programmed with respect to net weight.

### 3.1. PLU Record

Each PLU record contains the following details

No	Item	Description
1	PLU Number	Value (1 – 9999)
2	PLU Name	Maximum 48 characters
3	PLU Code	Maximum 20 digit alphanumeric value
4	Unit Of Measure(UOM)	WEIGH/ PCS
5	Unit Price	0 to 9999.00
6	Spl Unit Price	0 to 9999.00

7	Quantity	0 to 99
8	Group Link	0 to 999. Only available groups can be assigned
9	Tax Link	0 to 9. Only available taxes can be assigned
10	Barcode Link	0 to 99. Only available Barcodes can be assigned
11	Barcode Flag	Maximum 4 char alphanumeric
12	Label Link	0 to 99 Only available Labels can be assigned
13	Tare Weight	0.000 to Less than Tare Limit
14	Tare Link	0 to 99. Only available Tares can be assigned
15	Discount Link	0 to 99. Only available Discounts can be assigned
16	Ingredient Link	0 to 9999. Only available Ingredients can be assigned
17	Message Link	0 to 999. Only available Messages can be assigned
18	Image Link	0 to 99. Only available Images can be assigned
19	Logo Link	0 to 99. Only available Logos can be assigned
20	Fix Price	No/Yes
21	Packed Date	0 to 999 days from current date
22	Packed Time	0 to 1440 minutes from current time
23	Sell By Date	0 to 999 days from current date
24	Sell By Time	0 to 1440 minutes from current time
25	Use By Date	0 to 999 days from current date
26	Use By Time	0 to 1440 minutes from current time
27	Minimum	0.000 to 9999.000
28	Target	0.000 to 9999.000
29	Maximum	0.000 to 9999.000
30	Linked PLU	0 to 9999
31	Coupled PLU	0 to 9999

- Maximum number of PLU records is 5000/9999.
- Non-PLU weighing is assigned to PLU no 9998.
- Non-PLU non-weighing is assigned to PLU no 9999.
- PLUs not linked to any group are assigned to group 999.

### Default PLUs

Item	Non-PLU Weighing	Non-PLU Non-Weighing
PLU Number	9998	9999
PLU Name	PLU Name 9998	PLU Name 9999
PLU code	009998	009999
Unit Of Measure(UOM)	WEIGH	PCS
Unit Price	Rs. 0.00	Rs. 0.00
Spl Unit Price	Rs. 0.00	Rs. 0.00
Quantity	1	1
Group Link	999	999
Tax Link	0	0
Barcode Link	99	99
Barcode Flag		
Label Link	99	99
Tare Weight	0.000kg	0.000kg
Tare Link	0	0
Discount Link	0	0
Ingredient Link	0	0
Message Link	0	0
Image Link	0	0
Logo Link	0	0
Fix Price	No	No
Packed Date	0 Days	0 Days
Packed Time	0 Mins	0 Mins
Sell By Date	0 Days	0 Days

Sell By Time	0 Mins	0 Mins
Use By Date	0 Days	0 Days
Use By Time	0 Mins	0 Mins
Minimum	0.000kg	0.000kg
Target	0.000kg	0.000kg
Maximum	0.000kg	0.000kg
Linked PLU	0	0
Coupled PLU	0	0

- Default PLUs UOM cannot be changed.
- PLU Search by Name, code and number is present in PLU menu.
- PLU can be recalled either by number or by code. By default PLU is recalled by number.



To clear the current PLU, Enter 0 key in application mode and then press PLU key. It will clear PLU name and PLU unit price from the application screen.

- Application screen will display selected PLU name.
- Unit price, Qty if PCS and tare values of selected PLU can be changed. But these changes are temporary till RX is switched off or if PLU is edited.
- We can change Unit price, Qty if PCS, and tare values of selected PLU without using Edit soft key in the following way:
  - To change Tare value:
    - In application screen enter values in current unit and press **→T←** to update tare value.
  - To change Unit Price:
    - In application screen enter values and press Price key to update Unit Price of selected PLU.
  - To change Qty:
    - In application screen enter values and press QTY key to update Quantity of selected PLU for non-weighing PLU.

If PLU records are not present.



When no PLU records are available, RX will display “NO PLU ADD NEW” and prompts you to create a new PLU record.

If PLU records are present.

1. PLU records can be listed in ascending order based on number, name or by code.
2. Press Select soft key to select the type of list.
3. Press Up soft key to select the previous PLU records.
4. Press Down soft key to select the next PLU record.
5. To search a particular PLU record, enter values directly. E.g. if PLU is listed based on numbers then enter PLU number of the record you want to search. You can also search PLU by pressing Search PLU key in application mode.
6. Press Use soft key to use the selected PLU record.

### 3.2. PLU Operations

Following soft keys are provided in three different pages for performing various operations on PLU. To select different soft key pages, press >> soft key.

- First soft key page
 

Use	Back	Down	Up	>>
-----	------	------	----	----
- Second soft key page
 

Delete	Edit	DelAll	Clear	>>
--------	------	--------	-------	----
- Third soft key page
 

Copy	New	>>
------	-----	----

Search:

PLUs can be searched by Number, Name or Code. Suppose we are searching by PLU numbers then, enter PLU number. If it is present corresponding PLU will get highlighted and then we can operate on that. If it is not present then, the nearest PLU will get highlighted.

PLU numbers are listed in the ascending order.

PLU names and PLU codes are listed in the following order:

- Special printable characters
- Space
- Number
- Lower case
- Uppercase
- Non Printable characters

E.g.

Available PLU names	PLU names Listed by RX
AAB	? a
AaB	?ab
?AB	?AB
?ab	Ab
aAB	123
? a	aAB
Ab	AaB
123	AAB

Delete :

Select the PLU record to be deleted using Up and Down soft keys or directly enter PLU No. Press Delete soft key to delete selected PLU record.



Once Delete soft key is pressed, **“Delete PLU?”** message will be displayed.

Press YES soft key to delete selected PLU. Press No soft key to cancel deleting of a PLU record.



Default PLU (9998 and 9999) or any PLU having sales cannot be deleted.

**Delete All PLU's:**

Press DelAll soft key to delete all PLU's.

Once DelAll soft key is pressed, **“Delete All PLU's?”** message will be displayed.



Press YES soft key to delete PLU's.  
 Press No soft key to cancel deleting of PLUs.



Will not delete Default PLU (9998 and 9999) or any PLU having sales cannot be deleted.

Edit:

Details of PLU can be edited.

PLU Editing: 1	
PLU Number	1
PLU Name	
PLU Code	
Unit Of Measure	
Unit Price	
Select	Back Down Up Save

PLU Editing	Save and Exit ?
PLU Number	1
PLU Name	
PLU Code	
Unit Of Measure	
Unit Price	
	No Yes

PLU Editing	PLU Exists. Overwrite ?
PLU Number	1
PLU Name	
PLU Code	
Unit Of Measure	
Unit Price	
	No Yes

1. Select a PLU record to be edited and then press Edit soft key. Following screen will be displayed.
2. Edit PLU record.
3. Press Back soft key to retain old values.
4. When Back soft key is pressed "Save and Exit?" message will be displayed.
5. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.
6. After editing press Save soft key. If you don't save PLU, the changes will not be updated.
7. When Save soft key is pressed following screen will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

Clear:

This key is used to clear characters entered.

Copy:

Details of one PLU record can be copied to another PLU record.

Once PLU record is copied, only PLU no will be unique value and all other details will be same in both source and destination PLU record.

PLU No. Search ? >	
APPLE	1
	2
	3
Copy	New >>

Copy PLU No :	1 to PLU No : 10
APPLE	1
	2
	3
Ok	Back Clear

1. Select the PLU record to be copied by using Up and Down soft keys present in different soft key page.
2. Press Copy soft key to copy the details of the selected PLU record. Once the Copy soft key is pressed, display will look like this.
3. Enter destination PLU No to which you want to copy the details of selected PLU record.
4. Press Ok soft key to copy the details.
5. Press Back soft key to exit without copying.

New:

To create new PLU, press New soft key. All operations are similar to Edit.

Use:

This soft key is used to select PLU record in the application.  
 First select PLU record and then press Use soft key.  
 Once Use soft key is pressed, RX will return to application mode.

PLU Editing: 2	
PLU Number	2
PLU Name	
PLU Code	
Unit Of Measure	
Unit Price	
Select	Back Down Up Save

## VI. COMMUNICATION

### 1. Baud Rate setting of RS232 #1 to 5

Press 'Menu> Communication> RS232 #1'

Press Select soft key, the current value will be highlighted. Clear all the digits of baud rate using Clear soft key and then enter new value using numeric keys. Press Enter soft key to store the value.

Baudrate	9600
Databits	
Parity	
Stopbits	
Handshake	
Enter	Back
Change	Clear

If the menu option is selectable type (for E.g. Parity) use change soft key for selecting the right option. Similarly remaining communication parameters of RS232 #1 can be programmed.

Use same procedure for programming RS232 #2 to 5.

### 2. Weight Data

Weight Data can support 4 types of Weight transfer mode namely:

- Stream
- Command
- Manual
- Auto transfer

Weight data will be sent only if following conditions are satisfied:

- In 'Menu> Communication> Weight Data>' if 'Stable Weight Transfer' is set as 'Yes' then RX will wait till the weight is stable and then send it.
- Current Weight should be greater than 'Minimum Weight' set in 'Menu>Scale> Miscellaneous>'.

#### Stream Mode

In stream mode the selected weight data is sent continuously.

#### Manual Mode

In manual mode when \* key is pressed the selected weight data is sent.

#### Command Mode

In command mode, the command required to get weight data is ctrl E.

#### Auto Transfer

If Auto Transfer mode is selected, RX will send current weighing result to the peripheral devices automatically.

Start	STX	The start of data	02H
Weight Delimiter	CR	The end of data	0DH
End	LF	The end of Text	0AH
Numeric Weight Header	:	Gross Weight	(3AH)
	0	Net Weight	(30H)
	4	Tare Weight	(34H)
Alpha Weight Header	G	Gross Weight	(47H)
	N	Net Weight	(4EH)
	T	Tare Weight	(54H)
Weight Stable	SOH	Weight stable	(01H)
	NUL	Weight unstable	(00H)

General Data Format (All options are enabled from the Menu)

Description	Start	Stable status	Header	Weight	Unit Delimiter	Unit	Weight Delimiter
ASCII	STX	SOH/NUL	:/G	Gross Wt	space	g /kg/lb/lt	CR
No. of Characters	1	1	1	1-8	1	2	1

Description	Header	Weight	Unit Delimiter	Unit	Weight Delimiter
ASCII	0/N	Net Wt	space	g /kg/lb/lt	CR
No. of Characters	1	1-8	1	2	1

Description	Header	Weight	Unit Delimiter	Unit	Weight Delimiter	End
ASCII	4/T	Tare Wt	space	g /kg/lb/lt	CR	LF
No. of Characters	1	1-8	1	2	1	1

- Following options are controlled in 'Menu> Communication> Weight Data> '
- STX, Stable status, Header, Unit, are optional.
- All (Gross wt, Net wt and Tare wt) or any one of the three weights are optional.
- Unit delimiter will be output if unit output is enabled.

One Touch Tare

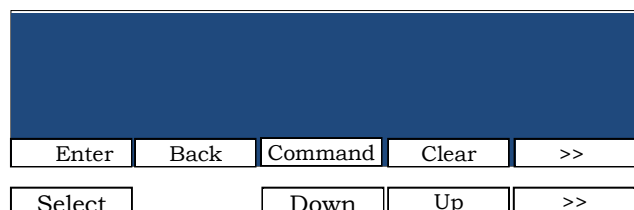
'Menu> Communication> Weight Data> One Touch Tare' should be set to 'Yes' for tarring from selected physical device.

Press T/t key on the selected physical device to tare. The tare conditions for unstable tarring in 'Menu> Scale> Tare> One Touch Tare on Stable' should be 'No'.

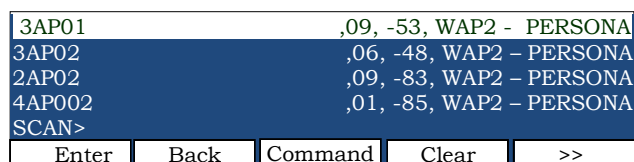
### 3. WiFi Terminal

Select in 'Menu> Communication>WiFi>Terminal to execute this command. When Menu>Communication>WiFi>WiFi On RS232 #4 is yes, WiFi options is enabled. The RS232 #4 should be mapped to one of the Logical devices; otherwise power on testing will always fail. Scan AP (Access Points), select AP, Status, Settings, test and Init of WiFi interface can be done.

Press Command soft key repeatedly, the SCAN, STATUS, SETTINGS, INIT predefined commands will scroll. Press Enter soft key to execute predefined command.



SCAN: After scan command is given, display will list the available APs present in its range. Now we can select required AP using Down and Up soft key. After highlighting the required AP, press Select soft key. Make sure that "SCAN" is shown in the screen. Please note password to be set inside menu.



STATUS: After status command is given, the following screen will be shown.

```
MAC=20:F8:5E:BF:E6:24
WSTATE=CONNECTED      MODE=STA
BSSID=58:35:D9:76:B3:40  SSID="3AP01"  CHAN
RSSI=-77
STATUS>
```

Enter	Back	Command	Clear	>>
-------	------	---------	-------	----

SETTINGS: After settings command is given, the following screen will be shown.

```
ACTIVE PROFILE
C0 &Y0 E0 V1 B=1 15200,8,N,1 &K0 &R1
+DHCP=1, +NSET=192.168.1.99,255.255.255.0
+WM=0, +WAUTO="SA_WS",,6
SETTINGS>
```

Enter	Back	Command	Clear	>>
-------	------	---------	-------	----

INIT: After init command is given, the following screen will be shown.

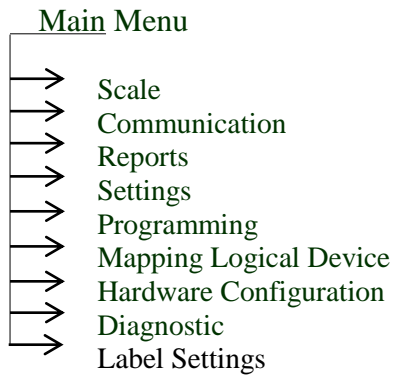
```
WiFi Initialization Done

INIT>
```

Enter	Back	Command	Clear	>>
-------	------	---------	-------	----

## VII. MENU OVERVIEW

- Highlighted text indicates that particular menu option is selected.
- The symbol '>' in menu option name indicates that next level of menu is present.
- Press Up soft key to select previous menu option.
- Press Down soft key to select next menu option.
- Press Select soft key to go to next lower level in menu if it is present or to select an option or to execute command.
- Press Back soft key to go to higher level in menu.
- If any menu option is password protected then that value will be shown but editing will not be allowed until password is entered.



Scale

- Basic Weight
  - Unit
  - Capacity
  - Accuracy
  - Multirange Limit 1
  - MR1 Accuracy
  - Multirange Limit 2
  - MR2 Accuracy
- Tare
  - Digital Tare
  - Tare limit
  - Auto Tare
  - Auto Tare Clear
  - Auto Tare Clear Condition
  - One Touch Tare on Unstable
  - Digital Tare on Unstable
  - Last Tare Recall on Power
  - Digital Tare Rounding
- Zero
  - Forced Zero Tracking
  - Rezero Tracking Range
  - PON Zero Start Range
  - Weight Zero on Tared
  - Rezero on Unstable
- Filter
  - Filter level
  - Forced Zero Track Level
  - Stability Level
- Calibration
  - Key Calibration
  - Calibration Zero Count
  - Calibration Span Factor
  - Internal Resolution
- Display → Stability Indicator
- Miscellaneous
  - Power Fail
  - Power Fail Minimum Weight
  - Minimum Weight
  - Xternal Scale

Communication

- Ethernet
  - Connection Type
  - DHCP Enable
  - Ethernet MAC
  - Local IP
  - Subnet Mask
  - Primary DNS
  - Default Gateway
  - Remote IP
  - Local Host Name
  - Local TCP Port
  - Remote TCP Port
  - TCP Connection Timeout
- RS232 #1 Baudrate
- RS232 #2 Databits
- RS232 #3 Parity
- RS232 #4 Stopbits
- RS232 #5 Handshake
- Weight Data
  - Weight Output
  - Transfer Mode
  - Weight Header
  - Stable Weight Transfer
  - Weight Data Length
  - Stable Status Flag
  - Skip STX
  - One Touch Tare
  - Weight Unit
- WiFi
  - Terminal
  - SSID
  - Channel
  - Security
  - Password
  - Username
  - Hostname
  - DHCP
  - Local IP
  - Subnet Mask
  - Default Gateway
  - Primary DNS
  - Local TCP Port
  - WiFi On RS232 #4
  - EAP Outer Auth
  - EAP Inner Auth
  - Idle Time Out
  - Connection Type
  - Server IP
  - Server TCP Port

## Reports

- Print Reports
  - Total Sales
  - PLU Sales
  - Department Sales
  - Group Sales
  - Hourly Sales
  - Operator Sales
  - Bill Summary
  - Old Bill
  - Inventory
  - PLU Price Override
  - Bill Cancellation
  - PLU Reference
  - PLU Reorder
  - All Sales
  - RA-PO
  - Non-Cash
  - Waiter Sales
  - Pending KOT
  - Total Sales Summary
  - Detailed Inventory
- Clear Report
  - All Reports
  - Sales Reports
  - Today's Sales Reports
  - Delete Pending KOT
- Cancel Bills
- Refund
- Rounding
- Print Bill
- No of Line Feeds
- Line Feed Command
- Bypass Escape Commands
- Cut Paper
- Clear Today's Sales Auto
- Bill Duplicate Copies
- Printer Font
- Rupee Symbol
- Bill Options
  - Header print
  - Footer Print
  - Machine No Print
  - Date Print
  - Time Print
  - Bill No Print
  - Operator Name Print
  - Total Wt/Qty Print
  - Item Count Print
  - Bill Text Prompt
  - Duplicate Bill Print
- UPI QR Code
  - UPI QR Code Enable
  - Amount in UPI Enable
  - Fixed Transaction Enable
  - UPI URL All
  - URL Info #1
  - ~
  - ~
  - URL Info #15

## Settings

- Date Time D M Y H M S
- Key Buzzer
- ON/OFF Bypass
- Machine Name
- Machine Number
- Calibrate Scale
- Load Defaults
- Set Password
- Format File System
- Tax Enable
- Inventory Enable
- Discount Enable
- PLU Price Override Enable
- PLU Tare Enable
- PLU Recall By
- Enable Non-PLUs
- Cash Drawer Open Pulse
- Open Cash Drawer
- Battery Standby Mode
- Hot PLU
- Tare After Item Add
- Dummy Zero for 2DP
- PLU Unit Price Update
- UGST Enable
- Disable Bill Edit
- Disable Zero Unit Price

## Mapping Logical Device

- Printer
- Host
- Weight Data
- Scale
- KOT Printer
- Aux Keyboard
- Remote Display\_KBD

## Diagnostics

- Keyboard
- Display
- RS232 #1
- RS232 #2
- RS232 #3
- RS232 #4
- RS232 #5
- Ethernet
- Real Time Clock
- Cash Drawer
- Memory
- Setup RX-840
- Setup RX-850
- Setup RS-820
- Print Self Test

### Programming

- 
- PLU By Number
- PLU By Name
- PLU By Code
- Group
- Department
- Tax
- Operator
- Preset Key
- Header
- Footer
- Discount
- Inventory
- Waiter
- Tare
- Barcode
- Ingredient
- Message
- Scroll Message
- PLU Skip
- Indent

### Label Settings

- 
- Date Format
- Time Format
- Weight (1kg) In Grams
- Print Intensity
- Label Copies
- Calibrate Label
- Enable Scroll
- Scroll Sequence
- Total Label Link
- Total Barcode Link
- PLU Recall Method
- Label Auto Print
- Total Label-RXPR App
- Disable Label PeelOff
- Barcode Wt In Grams

### Hardware Configuration

- 
- Ethernet
- ADC Speed
- ADC Gain
- Disable KB S-ON
- USB Host

### Top Level Menu

1. Scale
2. Communication
3. Reports
4. Settings
5. Programming
6. Mapping Logical Device
7. Hardware Configuration
8. Diagnostics
9. Label Settings

## 1. Scale

## 2. Communication

### 2.1. Ethernet

RX has to be restarted for the changes to be effected properly.

#### 2.1.1. Connection Type: (Server/Client)

Used to select connection type of RX.

#### 2.1.2. DHCP Enable: (Yes/No)

Used to enable Dynamic Host Configuration Protocol.

#### 2.1.3. Ethernet MAC

Used to set Ethernet MAC address.  
It should be 6 bytes hexadecimal value.

#### 2.1.4. Local IP

Used to set local IP address.  
Value should be entered in 4 groups; each group is of 3 characters (with leading zero). In a group, value should not be more than 255.

#### 2.1.5. Subnet Mask

Used to set Subnet mask.  
Value should be entered in 4 groups; each group is of 3 characters (with leading zero). In a group, value should not be more than 255.

#### 2.1.6. Primary DNS

Used to set Primary DNS.  
Value should be entered in 4 groups; each group is of 3 characters (with leading zero). In a group, value should not be more than 255.

#### 2.1.7. Default Gateway

Used to set Gateway.  
Value should be entered in 4 groups; each group is of 3 characters (with leading zero). In a group, value should not be more than 255.

#### 2.1.8. Remote IP

Used to set the address of Remote IP.  
Value should be entered in 4 groups; each group is of 3 characters (with leading zero). In a group, value should not be more than 255.

#### 2.1.9. Local Host Name

Used to set the name of the local host. Maximum 15 characters are allowed.

#### 2.1.10. Local TCP Port

Used to set local TCP Port number. Any value between 1 and 65535 can be entered.

#### 2.1.11. Remote TCP Port

Used to set Remote TCP Port number. Any value between 1 and 65535 can be entered.

#### 2.1.12. TCP Connection Timeout

Used to set the time required to disconnect TCP Connection. Any value between 30 and 65535 can be entered.

### 2.2. RS232 #1

2.2.1. Baudrate: any value between 100 and 115200.

2.2.2. Databits: (5,6,7,8)

2.2.3. Parity: (Odd/Even/None)

2.2.4. Stopbits: 1 or 2

2.2.5. Handshake: (None/Hardware)

### 2.3. RS232 #2

(Same as RS232 #1)

### 2.4. RS232 #3

(Same as RS232 #1)

### 2.5. RS232 #4

(Same as RS232 #1)

### 2.6. RS232 #5

(Same as RS232 #1)

### 2.7. Weight Data

The contents of weight data and mode of transfer are configured here. It will be sent through the corresponding mapped physical device if any.

2.7.1. Weight Output: (All weights/Net Only/Gross Only/Tare Only)

Used to select the type of the weight output.

2.7.2. Transfer Mode: (Stream/Manual/Command/Auto Transfer).

Used to select the type of transfer mode.

2.7.3. Weight Header: (No Header/Numeric Header/Alpha Header).

Used to select, the type of weight header.

2.7.4. Stable Weight Transfer: (Yes/No)

Used to select whether only stable weight has to be transferred or not.

2.7.5. Weight Data Length: (Variable Length/Fixed Length).

Used to select length of the weight data.

2.7.6. Stable Status Flag: (Yes/No)

Used to select whether stable status flag required or not.

2.7.7. Skip STX: (Yes/No)

Used to skip STX character.

2.7.8. One Touch Tare: (Yes/No).  
Used to select whether One touch tare required or not from selected physical device.

2.7.9. Weight Unit: (Yes/No).  
Used to select whether unit of weight has to be sent or not.

## 2.8. WiFi

The WiFi related settings can be configured here.

2.8.1. Terminal  
It is used for Scan, Init, Status and Test WiFi interface.

2.8.2. SSID  
The name of Access Point (AP) which is used to connect. Max 20 character is allowed.

2.8.3. Channel  
The channel of SSID is set. It can range from 0 to 14. If zero is given, channel is selected automatically.

2.8.4. Security(Auto/Open/WEP/WPA-PSK/WPA2-PSK/WPA-EAP/WPA2-EAP/WPA2-AES+TKIP)  
Security is selected from above options.

2.8.5. Password  
Password for security options is set here. Maximum 15 characters allowed.

2.8.6. Username  
User name for enterprise (EAP) level security is set here.

2.8.7. Hostname  
Host name of WiFi interface can be set here. Maximum 15 characters allowed.

2.8.8. DHCP(No/Yes)  
Getting IP from DHCP server controlled here.

2.8.9. Local IP  
The Local IP of the WiFi interface set here.

2.8.10. Subnet Mask  
Subnet Mask is set using this setting.

2.8.11. Default Gateway  
Default Gateway for reaching external subnets.

2.8.12. Primary DNS  
Primary DNS for resolving hostname to IP Address.

2.8.13. Local TCP Port  
The Host connects to the local port. It can range from 2000 to 65535

2.8.14. [WiFi On RS232 #4](#)(No/Yes)  
The WiFi interface is enabled through this option.

2.8.15. EAP Outer Auth(EAP-FAST/ EAP-TLS EAP-TTLS/ EAP-PEAP)  
For enterprise(EAP) level security, outer authentication between machine and AP is selected.

2.8.16. EAP Inner Auth(EAP-MSCHAP/ EAP-GTC)  
For enterprise(EAP) level security, inner authentication between AP and RADIUS sever is selected.

2.8.17. Idle Time Out  
Machine disconnects and connects to specific Access Point when Idle Time set times out. It can range from 30 seconds to 300 seconds.

2.8.18. Connection Type(Server/Client)  
Select the connection based on the requirement.

2.8.19. Server IP  
The IPof the server is set here. This setting is used when connection type is client.

2.8.20. Server TCP Port  
The port is of the server RX tries to connect when connection type is client. The value ranges from 1000 to 65535.

## 3. Reports

### 3.1. Clear Report

### 3.1.1. All Reports

It clears all reports including bill summary and old bills. Also resets bill number.

## 4. Settings

### 4.1. Date Time D M Y H M S

Used to set Date and Time in the following format ddmmyyyyhhmmss (24H format).

### 4.2. Key Buzzer: (Yes/No).

Used to select whether buzzer is required when a key is pressed.

### 4.3. ON/OFF Bypass: (Yes/No).

Used to select whether ON/OFF function is required.

### 4.4. Machine Name

Used to set Machine name. Maximum 25 characters are allowed.

### 4.5. Set Password

Used to set user password. Only 4 digit numeric number can be entered.

To clear user password, press Enter soft key without typing any characters.

### 4.6. Tax Enable

Used for applying taxes for an Item. Taxes will be applied only if this option is enabled.

Yes -> to enable Tax.

No -> to disable Tax

### 4.7. Inventory Enable

Used for verifying and updating stock during billing. Inventory has to be enabled to update stock of an item.

Yes -> to enable Inventory.

No -> to disable Price Override

### 4.8. Discount Enable

Used for applying item discount or subtotal discount during billing. Discounts will be applied only if this option is enabled.

Yes -> to enable discount.

No -> to disable discount

### 4.9. PLU Price Override Enable

This option has to be enabled if you want to change unit price of selected PLU during billing.

Yes -> to enable Price Override.

No -> to disable Price Override

### 4.10. PLU Tare Enable

Used for applying PLU tare when ever PLU is selected. PLU Tare will be applied only if this option is enabled.

Yes -> to enable PLU Tare.

No -> to disable PLU Tare

### 4.11. PLU Recall By

PLU can be recalled either by number or code.

"**PLU Number**" -> to recall PLU by Number.

"**PLU Code**" -> to recall PLU by code.

### 4.12. Enable Non-PLUs

Non-PLUs can be enabled or disabled.  
Yes -> to enable non-PLU.  
No -> to disable non-PLU

#### 4.13. Cash Drawer Open Pulse

The duration of pulse required to open the cash drawer can be set here. Maximum value is 2000ms.

#### 4.14. Open Cash Drawer

This is used to open cash drawer manually.

#### 4.15. Hot PLU

Hot PLU is enabled or not.  
Yes -> Hot PLU is enabled. In this recalling the PLU will add to the item list.  
No -> Hot PLU is disabled

#### 4.16. Tare After Item Add

Tare After Item Add enabled or not  
Yes -> Tares automatically for weighing and non-weighing items.  
No -> Tare is disabled

#### 4.17. Dummy Zero for 2DP

Display with dummy zero at the end if weight decimal point is 2.  
Yes -> display dummy zero  
No -> do not add extra zero at the end.

#### 4.18. PLU Unit Price Update

Current PLU unit price to be updated or not. For this work PLU Price Override to be yes.  
Yes -> Currently selected unit price will get update on price change by Unit Price key.  
No -> Retain the old value even if unit price overridden.

#### 4.19. UGST Enable

Bill and Reports to print UGST or SGST for the tax  
Yes -> **Print as "UGST"**  
No -> **Print as "SGST"**

#### 4.20. Disable Bill Edit

Bill edit soft key enable or disable  
Yes -> Bill editing disabled  
No -> Bill editing enabled

#### 4.21. Disable Zero Unit Price

Zero unit price printing disable or not  
Yes -> Zero Unit Price printing disabled  
No -> Zero Unit Price printing enabled

### 5. Programming

#### 5.1. PLU By Number

Lists PLUs by sorting PLUs in ascending order of Numbers. Any number between 1 and 9999 can be programmed. Max **9999 PLUs** can be programmed.

#### 5.2. PLU By Name

Lists PLUs by sorting PLUs in ascending order of Names.

#### 5.3. PLU By Code

Lists PLUs by sorting PLUs in ascending order of Codes.

#### 5.4. Group

Used for programming group. Maximum 999 groups can be programmed.

#### 5.5. Department

Used for programming department. Maximum 99 departments can be programmed.

#### 5.6. Tax

Used for programming tax. Maximum 9 taxes can be programmed.

#### 5.7. Operator

Used for programming operators. Maximum 99 operators can be programmed.

#### 5.8. Preset Key

Used for programming Preset keys for PLU and Function.

#### 5.9. Header

Used for programming header. This information is common for all the reports.

#### 5.10. Footer

Used for programming footer. This information is common for all the reports.

#### 5.11. Discount

Used for programming discounts. Maximum 99 discounts can be programmed.

#### 5.12. Inventory

Used for programming PLU inventory. Inventory for PLUs from 1 to 9997 can be programmed.

#### 5.13. Waiter

Used for programming Waiters. Maximum 99 waiters can be programmed.

#### 5.14. Tare

Used for programming Tares. Maximum 99 Tares can be programmed.

#### 5.15. Barcode

Used for programming Barcodes. Maximum 99 Barcodes can be programmed.

#### 5.16. Ingredient

Used for programming Ingredients. Maximum 9999 Ingredients can be programmed.

#### 5.17. Message

Used for programming Messages. Maximum 999 Messages can be programmed.

#### 5.18. Scroll Message

Used for programming Scroll Messages. Maximum 9 Scroll Messages can be programmed.

#### 5.19. PLU Skip

Used for programming PLU Skip.

#### 5.20. Indent

Used for programming today's Indent.

## 6. Mapping Logical Device

## 7. Hardware Configuration

## 8. Diagnostic

## 9. Label Settings

### 9.1. Date Format(DD-MM-YY / DD-MM-YYYY / MM-DD-YY/MM-DD-YYYY/[YY-MM-DD](#))

Used to select the date format printing in label

### 9.2. Time Format (HH:MM / HH:MM:SS)

Used to select the time format printing in label.

### 9.3. Weight(1kg) In Grams(No/Yes)

Used to select net weight printing in gram or not upto 1kg.

### 9.4. Print Intensity

Used to set label printing intensity from 80% to 140%. Switch off Machine and On after changing the value to take effect.

### 9.5. Label Copies

Used to set label copies.

### 9.6. Calibrate Label

For calibrating new label roles in printer.

### 9.7. Enable Scroll (No/Yes)

Used to set enable scrolling.

### 9.8. Scroll Sequence

Used to set the scroll no programming in order.

### 9.9. Total Label Link

For setting the Total Label design link

### 9.10. Total Barcode Link

Barcode used in Total Label Link

### 9.11. PLU Recall Method (Manual/Intelligent)

Used for selecting PLU selection key sequence

### 9.12. Label Auto Print (No/Yes)

Auto print in Manual mode and if Label Auto Print is Yes, Minimum Weight will be set to 5d automatically.

### 9.13. Total Label-RXPR App (No/Yes)

If set Yes, if network is down or RXPR App Link is not running or not in receive bill mode, then **“Total Label-RXPR App Down” indication will be** blinking. In this condition, Total Label and Item label will be printed. If interaction is GOOD, then only Total Label will be printed and no indication will be given.

If set No, Item label and total label will be printed as per selection and **“Total Label-RXPR App Down”** Indication will not be shown at all.

#### 9.14. Disable Label PeelOff (No/Yes)

It is used to disable Label peel off function in label printer. We can print another label without taking **last printed label** if "Disable Label PeelOff" is Yes. **This function will work only for Manual Mode. For Prepack Mode, this setting must be set to 'No'**. Switch off Machine and On after changing the value to take effect.

#### 9.15. Barcode Wt In Grams (No/Yes)

It is used to print weight with decimal point. The Barcode type should be code128.

## VIII. PROGRAMMING

- Press Save soft key anytime to save current data
- Press ESC key anytime to exit without saving.
- Use Up and Down soft keys to browse through current page.
- Use >> soft key to change soft key pages.
- Records can be searched by entering corresponding record number.

Example: consider group programming

To search a group, enter group number. If entered group number is present then corresponding group will get highlighted. If it is not present then the nearest group will get highlighted. Once the required group is selected, we can either edit or delete that record. (This is possible in case of PLU, Group, Department, Tax, Operator, and Discount programming.)

Ex: suppose group number 1, 2, 16, 17, 20, 999 are present

If 2 is entered, since group #2 is present, group #2 will be highlighted.

Group No. ? 2>	
G # 2	MANGO
G # 16	
G # 17	
G # 20	
New	Delete DelAll Clear >>

If 18 is entered, since group #18 is not present, the next higher number i.e. group #20 will be highlighted.

Group No. ? 18>	
G # 20	ORANGE
G # 999	
New	Delete DelAll Clear >>

- Programmed Records cannot be edited or deleted if corresponding sales is present. "Clear Sales Reports" message will be displayed momentarily when Save soft key in Edit or Delete or DelAll soft key is pressed. (This occurs in case of PLU, Group, Department, and Operator programming.)

## 1. Group Programming

### 1.1. Group Record

Each group contains following details

1. Group Number: Any number between 001 and 999.
2. Group Name: Maximum 15 characters.
3. Department Link Number: Value <= 99. Only departments which are already programmed can be assigned.
4. Tax Link Number: value <= 9. Only available taxes can be assigned.
5. Discount Link Number: value <= 99. Only available discounts can be assigned.

Maximum number of groups is 999.

Groups not linked to any department are assigned to department 99.

By default group no 999 will be programmed automatically.

Default group contains following details

Group Number	999
Group Name	Group 999
Department Link Number	99
Tax Link Number	0
Discount Link Number	0

## 1.2. New/Edit Group

Group No. ? >	
G # 1	Group 1
G # 2	
G #999	
Edit	Back
Down	Up
>>	

When 'Menu> programming > Group' is selected, display will show existing groups in ascending order of group Number.

For editing existing group, select group from the list using Up and Down soft key or enter group number and then Press Edit soft key.

Group No. ? >	
G # 1	Group 1
G # 2	
G #999	
New	Delete
DelAll	Clear
>>	

For programming new group, first press >> soft key, following screen will be displayed. Now press New soft key.

Group : 1	
Group Number	1
Group Name	
Department Link Number	
Tax Link Number	
Discount link Number	
Select	Back
Down	Up
Save	

Once New/Edit is selected, group items will be displayed.

Using Up and Down soft key browse through group items.

For editing group item, press Select soft key.

Group : 1	
Group Number	
Group Name	Group 1
Department Link Number	
Tax Link Number	
Discount link Number	
Enter	Back
Change	Clear

Ex. To change group Name  
Press Down soft key, Group Name will be highlighted. Now press Select soft key.  
Following screen will be displayed.

Clear old name using Clear soft key and then enter new name.  
Press Enter soft key to save new name.

Similarly other group items can be edited.

After editing group items if you want to retain old value then press Back soft key.

Group :	1	Save and Exit? .
Group Number		
Group Name	APPLE	
Department Link Number		
Tax Link Number		
Discount link Number	No	Yes

When Back soft key is pressed "Save and Exit?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing group items, press Save soft key. If you don't save, the changes will not be updated.

Group :	1	Group Exist! Overwrite? .
Group Number		
Group Name	APPLE	
Department Link Number		
Tax Link Number		
Discount link Number	No	Yes

When Save soft key is pressed if any changes were done to group then "Group Exist! Overwrite?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

## 1.3. Delete Group

Select the Group record to be deleted using Up and Down soft keys or directly enter Group No. Press Delete soft key to delete selected Group record.

Once Delete soft key is pressed, "Delete Group?" message will be displayed.  
Press YES soft key to delete selected Group.  
Press No soft key to cancel deleting of a Group record.



Default group i.e. group no. 999 or any group having sales cannot be deleted.

Group No. ? >	
G # 1	APPLE
G # 2	
G #999	
New	Delete
DelAll	Clear
>>	

Group No. ? >		Delete Group ? .	
G # 1	APPLE		
G # 2			
G #999			
		No	Yes

## 1.4. Delete all Groups

Press DelAll soft key to delete all Groups.

Once DelAll soft key is pressed, **“Delete ALL Group?”** message will be displayed. Press YES soft key to delete Groups. Press No soft key to cancel deleting of a Groups.

Group No. ? >	Delete ALL Group ?
G # 1	APPLE
G # 2	
G #999	
	No Yes



Delete all group will not work if any group is having sales.

## 2. Department Programming

### 2.1. Department Record

Each department contains following details

1. Department Number: any number between 01 and 99.
2. Department Name: Maximum 15 characters.
3. Tax Link Number: value <= 9. Only available taxes can be assigned.
4. Discount Link Number: <= 99. Only available discounts can be assigned.

Maximum number of Department is 99.

By default department no 99 will be programmed automatically.

Default department contains following details

Department Number	99
Department Name	Department 99
Tax Link Number	0
Discount link Number	0

### 2.2. New/Edit Department

Department No. ? >
D # 1 Department 1
D # 2
D #99
Edit Back Down Up >>

When 'Menu> programming > Department' is selected, display will show existing departments in ascending order of department Number.

For editing existing department, select department from the list using Up and Down soft key or enter department number and then Press Edit soft key.

Department No. ? >
D # 1 Department 1
D # 2
D #99
New Delete DelAll Clear >>

For programming new department, first press >> soft key, following screen will be displayed. Now press New soft key.

Department : 1
Department Number 1
Department Name
Tax Link Number
Discount link Number
Select Back Down Up Save

Once New/Edit is selected, department items will be displayed.

Using Up and down soft key browse through department items.

For editing department item, press Select soft key.

Department : 1			
Department Number			
Department Name Department 1			
Tax Link Number			
Discount link Number			
Enter	Back	Change	Clear

Clear old name using Clear soft key and then enter new name.  
Press Enter soft key to save new name.

Similarly other department items can be edited.

After editing department items if you want to retain old value then press Back soft key.

Department : 1	Save and Exit?
Department Number	
Department Name FRUITS	
Tax Link Number	
Discount link Number	
No	Yes

After editing department items, press Save soft key. If you don't save, the changes will not be updated.

Department : 1	Department Exist! Overwrite?
Department Number	
Department Name FRUITS	
Tax Link Number	
Discount link Number	
No	Yes

Ex. To change department Name  
Press Down soft key, department Name will be highlighted. Now press Select soft key.  
Following screen will be displayed.

When Back soft key is pressed **"Save and Exit?"** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

When Save soft key is pressed if any changes were done to department then **"Department Exist! Overwrite?"** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

### 2.3. Delete Department

Select the Department record to be deleted using Up and Down soft keys or directly enter Department No.  
Press Delete soft key to delete selected Department record.

Department No. ? >				
D # 1 FRUITS				
D # 2				
D #99				
New	Delete	DelAll	Clear	>>

Once Delete soft key is pressed, **"Delete Department ?"** message will be displayed.  
Press YES soft key to delete selected Department.  
Press No soft key to cancel deleting of a Department record.

Department No. ? >	Delete Department ?
D # 1 FRUITS	
D # 2	
D #99	
No	Yes



Default Department i.e. Department no. 99 or any department having sales cannot be deleted.

### 2.4. Delete all Department

Press DelAll soft key to delete all Departments.

Once DelAll soft key is pressed, **"Delete ALL Department?"** message will be displayed.  
Press YES soft key to delete Department.  
Press No soft key to cancel deleting of a Department.

Department No. ? >	Delete ALL Department ?
D # 1 FRUITS	
D # 2	
D #99	
No	Yes



Delete all Department will not work if any Department is having sales.

## 3. Tax Programming

### 3.1. Tax Record

Each Tax contains following details

1. Tax Number: Any number between 1 and 9.
2. Tax Name: Maximum 15 characters.
3. Tax Type: Inclusive or Exclusive.  
 Inclusive: Tax is included in total price  
 Exclusive: Tax is added to total price.
4. Tax Rate: value in %. 0 >= value <= 100.

Maximum number of Tax is 9.

### 3.2. New/Edit Tax

Tax No. ? >				
T # 1	Tax 1			
T # 2				
Edit	Back	Down	Up	>>

When 'Menu> programming > Tax' is selected, display will show existing Taxes in ascending order of tax Number.

For editing existing tax, select tax from the list using Up and Down soft key or enter tax number and then Press Edit soft key.

Tax No. ? >				
T # 1	Tax 1			
T # 2				
New	Delete	DelAll	Clear	>>

For programming new tax, first press >> soft key, following screen will be displayed. Now press New soft key.

Tax : 1				
Tax Number	1			
Tax Name				
Tax Type				
Tax Rate				
Select	Back	Down	Up	Save

Once New/Edit is selected, tax items will be displayed.

Using Up and down soft key browse through tax items.

For editing tax item, press Select soft key.

Tax : 1				
Tax Number				
Tax Name	Tax 1			
Tax Type				
Tax Rate				
Enter	Back	Change	Clear	

Ex. To change tax Name  
 Press Down soft key, tax Name will be highlighted.  
 Now press Select soft key.  
 Following screen will be displayed.

Suppose if tax item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.

Suppose if tax item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value. Similarly other tax items can be edited.

After editing tax items if you want to retain old value then press Back soft key.

Tax : 1 Save and Exit? .				
Tax Number				
Tax Name	Vat			
Tax Type				
Tax Rate				
			No	Yes

When Back soft key is pressed, **"Save and Exit?"** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing tax items, press Save soft key. If you don't save, the changes will not be updated.

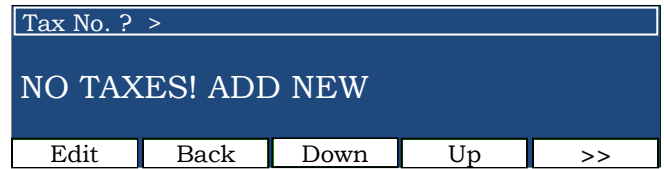
Tax : 1 Tax Exist! Overwrite? .				
Tax Number				
Tax Name	Vat			
Tax Type				
Tax Rate				
			No	Yes

When Save soft key is pressed if any changes were done to tax then **"Tax Exist! Overwrite?"** message will be



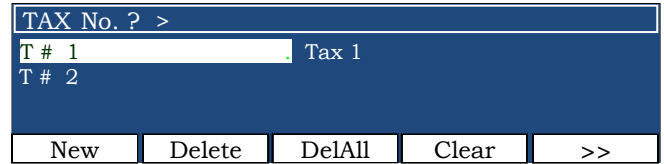
When no Taxes are programmed then **“NO TAXES! ADD NEW”** message will be displayed as shown below.

displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

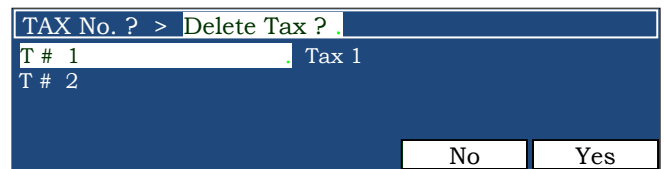


### 3.3. Delete Tax

Select the Tax record to be deleted using Up and Down soft keys or directly enter Tax No. Press Delete soft key to delete selected Tax record.



Once Delete soft key is pressed, **“Delete Tax?”** message will be displayed. Press YES soft key to delete selected Tax. Press No soft key to cancel deleting of a Tax record.



Tax cannot be deleted if sales tax is present.

### 3.4. Delete All Taxes

Press DelAll soft key to delete all Tax. Once DelAll soft key is pressed, **“Delete ALL Taxes?”** message will be displayed. Press YES soft key to delete Tax. Press No soft key to cancel deleting of a Tax.



Delete all Taxes will not work if any tax sales is present.

## 4. Operator Programming

### 4.1. Operator Record

Each operator contains following details

1. Operator Number: Any number between 1 and 99
2. Operator Name: Maximum 15 characters.
3. Operator Password: Maximum 4 characters numeric.

Maximum number of operator is 99.  
By default operator no 99 will be programmed automatically.  
Maximum 4 operators can be active at a time.

Default operator contains following details

Operator Number	99
Operator Name	Operator 99
Operator password	0

## 4.2. New/Edit Operator

When 'Menu> programming > Operator' is selected, display will show existing operators in ascending order of operator Number.

For editing existing operator, select operator from the list using Up and Down soft key or enter operator number and then Press Edit soft key.

For programming new operator, first press >> soft key, following screen will be displayed. Now press New soft key.

Once New/Edit is selected, operator items will be displayed.

Using Up and down soft key browse through operator items.

For editing operator item, press Select soft key.

Ex. To change operator Name

Press Down soft key, operator Name will be highlighted. Now press Select soft key. Following screen will be displayed.

Clear old name using Clear soft key and then enter new name.

Press Enter soft key to save new name.

Similarly other operator items can be edited.

After editing operator items if you want to retain old value then press Back soft key.

When Back soft key is pressed, "Save and Exit?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

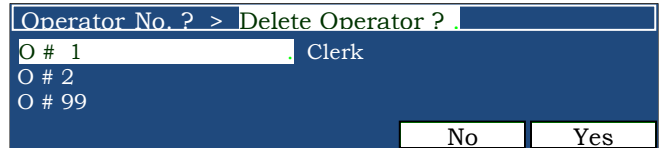
After editing operator items, press Save soft key. If you don't save, the changes will not be updated.

When Save soft key is pressed if any changes were done to the operator then "Operator Exist! Overwrite?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

## 4.3. Delete Operator

Select the Operator record to be deleted using Up and Down soft keys or directly enter Operator No. Press Delete soft key to delete selected Operator record.

Once Delete soft key is pressed, **“Delete Operator?”** message will be displayed. Press YES soft key to delete selected Operator. Press No soft key to cancel deleting of an Operator record.



Default Operator i.e. Operator no. 99 or any operator having sales cannot be deleted.

#### 4.4. Delete All Operators

Press DelAll soft key to delete all Operator. Once DelAll soft key is pressed, **“Delete ALL Operators?”** message will be displayed.. Press YES soft key to delete Operators. Press No soft key to cancel deleting of Operators.



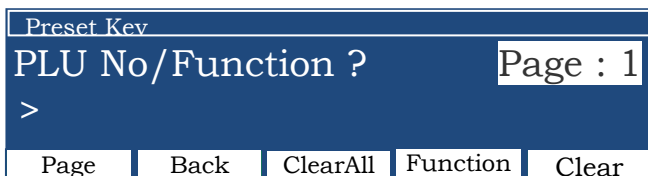
Delete All Operators will not work if any operator sales is present.

### 5. Preset Key Programming

Programming the most frequently used PLU and function keys is carried out by this menu. There are 30 preset keys (P1 to P30). Each preset key has 3 pages and each page can be assigned a PLU number or a function. Therefore user can assign maximum of 90 PLU/FUNCTION. Also the following function can be assigned to these preset keys.

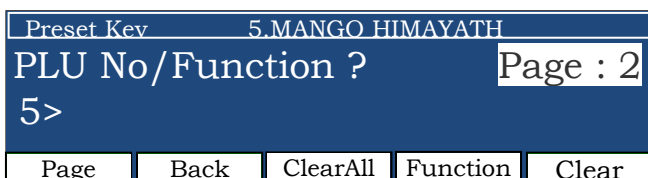
- 1.Operator, 2. SuspendRestore, 3. Cash,4. Voucher, 5. CreditCard,6. Cheque,7. ItemDiscount,8. SubtotalDiscount,9. ReceiveOnAccount, 10.PaidOut,11. TotalSales, 12.OpenCashDrawer, 13.KOT
- 14.BillKOT, 15. Bill Cancel, 16. Refund, 17. DigitalTare, 18. OperatorSelect, 19. BillText, 20.LogInOut,
- 21.LabelOrReceipt, 22.ManualOrPrepack, 23.SpecialPrice, 24.Fix, 25.ChangePrice, 26.Indent,
- 27.Inventory, 28.PLUSales, 29.LabelCopies

#### Programming PLU into Preset Keys



➤ Enter PLU Number.

➤ Press Page soft key to select Page number. Right side of display shows selected page number.



➤ Now press PLU preset key. **“Stored”** message shown momentarily.

Ex. To assign PLU no 5 to page 2 of Preset key P20.

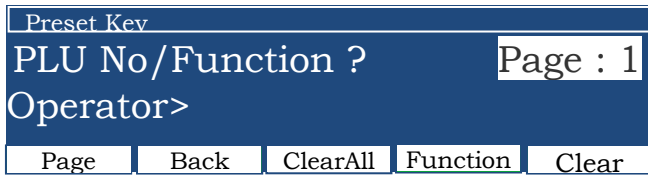
Enter 5, press page key to select page 2.

Then press P20.

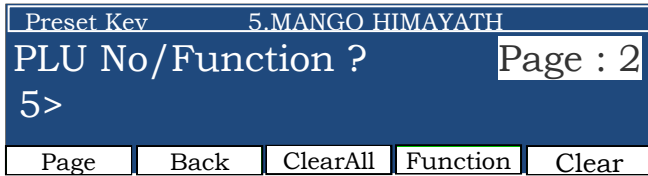


PLU number ranges from 1-9999. We can enter 0 and press preset key to clear the function and PLU. The display will show **“Cleared”** message momentarily.

### Programming FUNCTION into Preset Keys



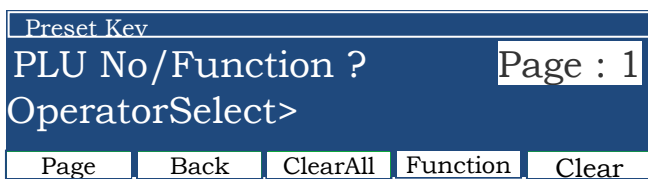
- Press Function soft key repeatedly until desired function is displayed.
- Press Page soft key to select Page number. Right side of display shows selected page number. It is recommended to store the function in PAGE 1.



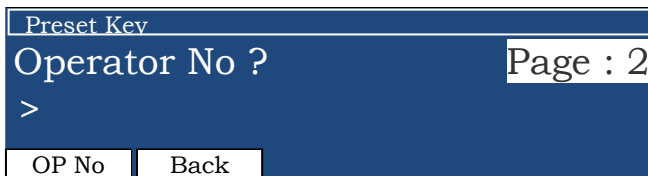
- Now press preset key where the function is to be stored. **“Stored”** message shown momentarily.

Ex. To assign PLU no 5 to page 2 of Preset key P20. Enter 5, press page key to select page 2. Then press P20.

### Programming Operator ID into Preset Keys

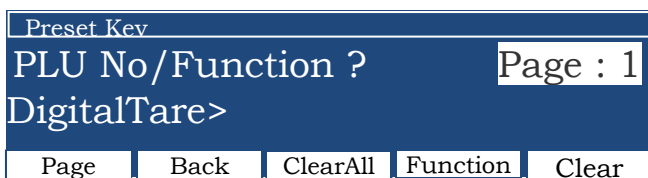


- Press Function soft key repeatedly until OperatorSelect is displayed.
- Press Page soft key to select Page number. Right side of display shows selected page number. It is recommended to store the function in PAGE 1.



- Now press preset key where the function is to be stored. Now display prompts for Operator no. Enter operator number and press OP No soft key. The **“Stored”** message shown momentarily. The operator No range is from 1 to 99.

### Programming Tare into Preset Keys

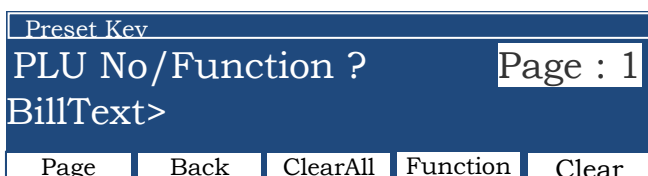


- Press Function soft key repeatedly until DigitalTare is displayed.
- Press Page soft key to select Page number. Right side of display shows selected page number. It is recommended to store the function in PAGE 1.



- Now press preset key where the function is to be stored. Now display prompts for Tare no. Enter Tare number and press Tare No soft key. The **“Stored”** message shown momentarily. The Tare No range is from 1 to 99.

### Programming Bill Text into Preset Keys

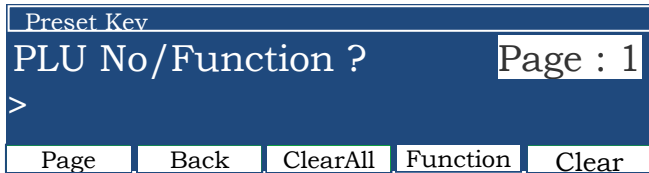


- Press Function soft key repeatedly until BillText is displayed.
- Press Page soft key to select Page number. Right side of display shows selected page number. It is recommended to store the function in PAGE 1.

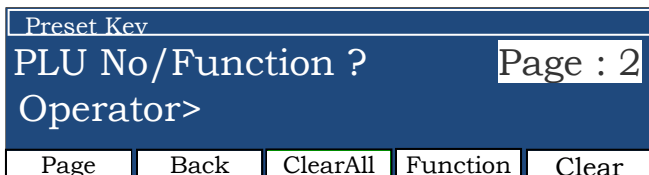


- Now press preset key where the function is to be stored. Now display prompts for Bill Text. Enter prompt text press OK Softkey. The **“Stored”** message shown momentarily. The maximum no of characters for Bill Text is 20.

Checking PLU or Function in Preset Keys



- Press Page soft key to select Page number. Right side of display shows selected page number.
- Press Clear soft key until key entry line is blank.



- Now press preset key that is to be checked. If preset key is having a PLU or Function in that page, then PLU number or Function name is shown momentarily. Otherwise it will show **“No PLU”** message.

Clearing All programmed PLU and Function in Preset Keys

All programmed preset keys can be cleared by just pressing ClearAll soft key.



When ClearAll soft key is pressed, **“Delete All PLU Preset Key?”** message will be displayed as shown.

Press Yes soft key to clear all preset key.  
Press No soft key to cancel Clear.

Accessing programmed PLU/FUNCTION Preset Keys

In application mode, to recall a PLU, press corresponding programmed preset key. To access page 1 PLU, press preset key once. To access page 2 PLU, press preset key twice immediately. To access page 3 PLU, press preset key trice immediately.

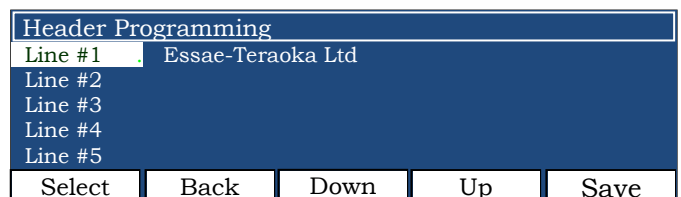
Ex. To access PLU No 5, press P20 twice.

## 6. Header Programming

This is used to program header. This information is common for all the reports. Maximum 5 lines can be programmed.

Following is applicable for each line:

- Align left, center or right.
- Font style either normal or bold.
- Maximum 32 characters if font style is normal and only 16 characters if font style is bold.



To program Header

Header Programming	
Line #1	Essae-Teraoka Ltd
Line #2	
Line #3	
Line #4	
Line #5	
Enter	Back
Normal	Justify
Clear	

- Select the line to be programmed.
- Enter footer data.
- To select font style either bold or normal press soft key 3. Soft key 3's name indicated current selected font style.
- To select alignment press Justify soft key.



1. By default Header will be "ESSAE-TERAOKA", bold and center aligned.
2. If only last line is programmed then all the above lines will be printed as blank lines.
3. If we want a few empty lines at the end in the header then program those lines with one space.

E.g. If you want header in the following way i.e. after Bangalore there are two empty lines.

ESSAE-TERAOKA
BANGALORE

Then program line #1 with "ESSAE-TERAOKA", line #2 with "BANGALORE". Since two empty lines are required after "BANGALORE", program line #3 and #4 with space.

## 7. Footer Programming

This is used to program footer. This information is common for all the reports.

Maximum 5 lines can be programmed.

Following is applicable for each line:

- Align left, center or right.
- Font style either normal or bold.
- Maximum 32 characters can be programmed. Only 16 characters can be programmed if font style is bold.

Footer Programming	
Line #1	Thank You
Line #2	
Line #3	
Line #4	
Line #5	
Select	Back
Down	Up
Save	

To program Footer

Footer Programming	
Line #1	Thank You
Line #2	
Line #3	
Line #4	
Line #5	
Enter	Back
Normal	Justify
Clear	

- Select the line to be programmed.
- Enter footer data.
- To select font style either bold or normal, press soft key 3. Soft key 3's name indicates current selected font style.
- To select alignment press Justify soft key.



1. By default Footer will be "Thank You", Normal and left aligned.
2. If only last line is programmed then all the above lines will be printed as blank lines.
3. If we want a few empty lines at the end in the footer then program those lines with one space.

E.g. If you want footer in the following way i.e. after "Thank You" there are two empty lines.

Thank You

Then program line #1 with "Thank You". Since two empty lines are required after "Thank You", program line #2 and #3 with space.

## 8. Discount Programming

### 8.1. Discount Record

Each discount contains following details

1. Discount Number: Any number between 1 and 99
2. Discount Name: Maximum 15 characters.
3. Discount Type: Total Price / % Unit Price.
4. First Target: Set the first limit for discount
5. First Discount: Set first discount amount based on discount type.
6. Second Target: Set the first limit for discount
7. Second Discount: Set second discount amount based on discount type.
8. Days(SMTWTFS): (Set day of week 1-Discount, 0-No Discount)
9. Discount Begin: ddmmyyyyhhmmss
10. Discount End: ddmmyyyyhhmmss

Maximum number of discounts is 99.

#### Discount Type

Total Price discount:

- Set discount amount on Total price of an item.

% Unit Price discount

- Weighing PLU: Set discount % of unit price, depending on weight.
- Non-Weighing PLU: Set discount % of unit price, depending on number of items.

#### Discount value

**Target's unit is different depending on the PLU type. If discount is applied to weighing PLU then target's unit is weight. If discount is applied to non-weighing PLU then target's unit is PCS.**

First Target

Set the first limit for discount

- To apply this discount for weighing PLU, set limit in terms of weight.
- To apply this discount for non-weighing PLU, set limit in terms of quantity

First Discount

Set discount amount based on discount type.

Second Target

- To apply this discount for weighing PLU, set limit in terms of weight.
- To apply this discount for non-weighing PLU, set limit in terms of quantity

Second Discount

Set discount amount based on discount type.

- Date and time should be entered without any space.  
Ex. For 18-09-2009 10:45:32, enter 18092009104532.
- Days (SMTWTFS): enter 1 for the days you want to give discounts. For example, if you want to give discounts on Tuesday and Friday then enter Days as 0010010.



**During billing discounts will be applied only if option in 'Menu> Settings> Discount Enable' is set as 'Yes'.**

For Subtotal discount, only discount type and first discount is considered.

For Item discount:

1. Either first discount or second discount should be a non-zero value.

2. If second discount > 0 then Item wt/qty should be > Second Target otherwise first discount is checked. If first discount > 0 then Item wt/qty should be > first Target.
3. Once above condition is satisfied then date and time will be checked.
  - If either discount begin or end is zero then discount will be applied without checking date and time.
  - If discount begin and end is non-zero then ,  
Discount begin < Current date and time < Discount End.
  - Then day of the week will be checked. If all days are zero then discount will not be applied.

## 8.2. New/Edit Discount

Discount No. ? >									
D # 1	Discount 1								
D # 2									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Edit</td> <td>Back</td> <td>Down</td> <td>Up</td> <td>&gt;&gt;</td> </tr> </table>					Edit	Back	Down	Up	>>
Edit	Back	Down	Up	>>					

When 'Menu> programming > Discount' is selected, display will show existing discounts in ascending order of discount Number.

For editing existing discount, select discount from the list using Up and Down soft key or enter discount number and then Press Edit soft key.

Discount No. ? >									
D # 1	Discount 1								
D # 2									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>New</td> <td>Delete</td> <td>DelAll</td> <td>Clear</td> <td>&gt;&gt;</td> </tr> </table>					New	Delete	DelAll	Clear	>>
New	Delete	DelAll	Clear	>>					

For programming new discount, first press >> soft key, following screen will be displayed. Now press New soft key.

Discount : 1									
Discount Number	1								
Discount Name									
Discount Type									
First Target									
First Discount									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Select</td> <td>Back</td> <td>Down</td> <td>Up</td> <td>Save</td> </tr> </table>					Select	Back	Down	Up	Save
Select	Back	Down	Up	Save					

Once New/Edit is selected, discount items will be displayed. Using Up and down soft key browse through discount items.

For editing discount item, press Select soft key.

Discount : 1								
Discount Number	1							
Discount Name	Weekend Discount							
Discount Type								
First Target								
First Discount								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Enter</td> <td>Back</td> <td>Change</td> <td>Clear</td> </tr> </table>					Enter	Back	Change	Clear
Enter	Back	Change	Clear					

Ex. To change discount Name  
Press Down soft key, discount Name will be highlighted. Now press Select soft key.  
Following screen will be displayed.

Suppose if discount item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.

Suppose if discount item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other discounts items can be edited.

After editing discount items if you want to retain old value then press Back soft key.

Discount : 1 Save and Exit?						
Discount Number	1					
Discount Name	Weekend Discount					
Discount Type						
First Target						
First Discount						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>No</td> <td>Yes</td> </tr> </table>					No	Yes
No	Yes					

When Back soft key is pressed, "Save and Exit?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing discount items, press Save soft key. If you don't save, the changes will not be updated.

Discount : 1 Discount Exist! Overwrite?						
Discount Number	1					
Discount Name	Weekend Discount					
Discount Type						
First Target						
First Discount						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>No</td> <td>Yes</td> </tr> </table>					No	Yes
No	Yes					

When Save soft key is pressed if any changes were done to discount then "Discount Exist! Overwrite?" message will be displayed.

Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes



When no discounts are programmed then **“NO DISCOUNTS! ADD NEW”** message will be displayed as shown below.

Discount No. ? >				
<b>NO DISCOUNTS! ADD NEW</b>				
Edit	Back	Down	Up	>>

### 8.3. Delete Discount

Select the discount record to be deleted using Up and Down soft keys or directly enter discount No.

Discount No. ? >				
D # 1	Discount 1			
D # 2				
New	Delete	DelAll	Clear	>>

Press Delete soft key to delete selected discount record.

Once Delete soft key is pressed, **“Delete Discount?”** message will be displayed. Press YES soft key to delete selected discount. Press No soft key to cancel deleting of a discount record.

Discount No. ? > Delete Discount ? .					
D # 1	Discount 1				
D # 2					
				No	Yes

### 8.4. Delete All Discounts

Press DelAll soft key to delete all Discounts. Once DelAll soft key is pressed, **“Delete ALL Discounts?”** message will be displayed. Press YES soft key to delete discounts. Press No soft key to cancel deleting of a discounts.

Discount No. ? > Delete ALL Discounts ? .					
D # 1	Discount 1				
D # 2					
				No	Yes

## 9. Inventory Programming

Stock and Inventory of each PLU can be programmed. To update stock during transaction, PLU Inventory has to be enabled. To enable inventory set *‘Menu> Settings> Inventory Enable’* as *‘Yes’*.

PLU Inventory : 1 APPLE SIMLA					
Stock :	100.000	Kg			
Reorder :	5.000				
				>>	1
Stock	Back	Reorder	DelAll	Clear	

To Program inventory:

- Enter PLU Number and press PLU key. Selected PLU’s stock and reorder along with unit will be displayed.
- Only programmed PLUs can be entered. Otherwise “invalid” message will be displayed.
- To update stock:
  - For Non-weighing PLUs, enter new stock value and then press Stock soft key. Entered stock value will be added to existing PLU stock.

Eg: Suppose 100 PCS of stock is already available and

- 10 PCS of new stock is arrived then, just enter 10 and press Stock soft key. This 10 PCS will be added to the available stock. So stock will be 110.
- If you want to remove 25 PCS of stock from available 100 PCS of stock then, just enter - 25 and press Stock soft key. 25 will be subtracted from available stock. So stock will be 75 PCS.

- For weighing PLUs, if you want to enter weight manually then enter new stock value and then press Stock soft key. Entered stock value will be added to existing PLU stock.

Eg: Suppose 200.000 Kg of stock is already available and

- 20.500 Kg of new stock is arrived then, just enter 20.500 and press Stock soft key. This 20.500 Kg will be added to the available stock. So stock will be 220.500.
  - If you want to remove 50 Kg of stock from available 200.000 Kg of stock then, just enter -50 and press Stock soft key. 50 will be subtracted from available stock. So stock will be 150.000 Kg.
- For weighing PLUs, if you want to update stock by weighing then, check if weight is displayed at the bottom. If weight is not displayed then press clear soft key to clear any entered key. Once the weight is displayed, Keep arrived stock on the platter and press stock soft key.
    - Stock will be updated only if weight is greater than min limit weight.
    - If previously updated item is still on the platform then "Remove Item" message will be displayed.

PLU Inventory : 1 APPLE SIMLA				
Stock : 100.000 Kg				
Reorder : 5.000				
				>> 0.120
Stock	Back	Reorder	DelAll	Clear

- To update Reorder level, just enter reorder value and press Reorder soft key.

# 11. Tare Programming

## 11.1. Tare Record

Each Tare contains following details

1. Tare Number: Any number between 1 and 99
2. Tare Name: Maximum 15 characters.
3. Tare Value: Maximum Capacity of scale

Maximum number of Tare is 99.

## 11.2. New/Edit Tare

Tare No. ? >									
T # 1	Tare 1								
T # 2									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Edit</td> <td>Back</td> <td>Down</td> <td>Up</td> <td>&gt;&gt;</td> </tr> </table>					Edit	Back	Down	Up	>>
Edit	Back	Down	Up	>>					

When 'Menu> programming > Tare' is selected, display will show existing tares in ascending order of Tare Number.

For editing existing tare, select tare from the list using Up and Down soft key or enter tare number and then Press Edit soft key.

Tare No. ? >									
T # 1	Tare 1								
T # 25									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>New</td> <td>Delete</td> <td>DelAll</td> <td>Clear</td> <td>&gt;&gt;</td> </tr> </table>					New	Delete	DelAll	Clear	>>
New	Delete	DelAll	Clear	>>					

For programming new tare, first press >> soft key, following screen will be displayed. Now press New soft key.

Tare : 1									
Tare Number	1								
Tare Name									
Tare Value									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Select</td> <td>Back</td> <td>Down</td> <td>Up</td> <td>Save</td> </tr> </table>					Select	Back	Down	Up	Save
Select	Back	Down	Up	Save					

Once New/Edit is selected, tare items will be displayed.

Using Up and down soft key browse through tare items. For editing tare item, press Select soft key.

Ex. To change tare Name  
 Press Down soft key, tare Name will be highlighted. Now press Select soft key. Following screen will be displayed.

Tare : 1									
Tare Number									
Tare Name	Bow11								
Tare Value									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Enter</td> <td>Back</td> <td>Change</td> <td colspan="2">Clear</td> </tr> </table>					Enter	Back	Change	Clear	
Enter	Back	Change	Clear						

Clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name. Similarly other tare items can be edited. After editing tare items if you want to retain old value then press Back soft key.

Tare : 1 Save and Exit?						
Tare Number						
Tare Name	Bow11					
Tare Value						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>No</td> <td>Yes</td> </tr> </table>					No	Yes
No	Yes					

When Back soft key is pressed, "Save and Exit?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing tare items, press Save soft key. If you don't save, the changes will not be updated.

Tare : 1 Tare Exist! Overwrite?						
Tare Number						
Tare Name	Bow11					
Tare Value						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>No</td> <td>Yes</td> </tr> </table>					No	Yes
No	Yes					

When Save soft key is pressed if any changes were done to the tare then "Tare Exist! Overwrite?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

### 11.3. Delete Tare

Select the Tare record to be deleted using Up and Down soft keys or directly enter Tare No. Press Delete soft key to delete selected Tare record.

Tare No. ? >				
T # 1	Tare 1			
T # 2				
New	Delete	DelAll	Clear	>>

Once Delete soft key is pressed, **“Delete Tare?”** message will be displayed. Press YES soft key to delete selected Tare. Press No soft key to cancel deleting of an Tare record.

Tare No. ? >		Delete Tare ?	
T # 1	Tare 1		
T # 2			
			No
			Yes

### 11.4. Delete All Tares

Press DelAll soft key to delete all Tares. Once DelAll soft key is pressed, **“Delete ALL Tares?”** message will be displayed.. Press YES soft key to delete Tares. Press No soft key to cancel deleting of tare.

Tare No. ? >		Delete ALL Tares ?	
T # 1	Tare 1		
T # 2			
			No
			Yes

## 12. Barcode Programming

### 12.1. Barcode Record

Each barcode contains following details

1. Barcode Number: Any number between 1 and 99
2. Barcode Name: Maximum 15 characters.
3. Barcode Type: EAN13/CODE128/CODE128A/CODE128B/CODE128C/QRCODE.
4. Barcode Data: Barcode data fields separated by space. Maximum 30 characters
5. Barcode Fld #1: Currently selected barcode data field
6. Fld #1 Condition: No/Any/Weight/Quantity
7. Fld #1 Shift: L1/L2/L3/L4/L5/R1/R2/R3/R4/R5
8. Barcode Fld #2: Currently selected barcode data field
9. Fld #2 Condition: No/Any/Weight/Quantity
10. Fld #2 Shift: L1/L2/L3/L4/L5/R1/R2/R3/R4/R5

Maximum number of barcodes is 99.

Default Barcode 99 automatically generated with following data

1. Barcode Number: 99
2. Barcode Name: Default 99.
3. BarcodeType: EAN13
4. Barcode Data: 6C 6X
5. Barcode Fld #1: 6C
6. Fld #1 Condition: No
7. Fld #1 Shift: L1
8. Barcode Fld #2: 6C
9. Fld #2 Condition: No
10. Fld #2 Shift: L1

#### **BARCODE DATA VARIABLES:**

A- TOTAL\_AMOUNT  
B – BILL NO  
b – Today Bill no  
C- PLU CODE  
D- DEPARTMENT NO  
E –TOTAL\_WEIGHT  
F – FLAG  
G – GROUP NO  
g – GS1 check digit  
H – TOTAL\_QUANTITY  
I – TOTAL\_TAX  
J – TOTAL\_DISCOUNT  
K- CURRENT DATE  
k – Label date  
L – PLU NO  
M - UOM  
N - NO OF ITEMS  
n - Machine No  
O – OPERATOR NO  
P – TOTAL PRICE  
Q – QUANTITY ONLY (if weigh 0)

- R – DISCOUNT NO
- S – Special CHECKSUM 5 digit unit price
- s – Special checksum 4 digit unit price
- T – TAX NO
- t- Bill Text
- U – UNIT PRICE
- V - Special Checksum 5 digit weight or quantity
- v – Special Checksum 4 digit weight or quantity
- W –WEIGHT ONLY (if non-weigh 0)
- w – Tare weight
- X –WEIGHT OR QUANTITY
- x - Gross weight or quantity
- Y - CURRENT TIME
- y - Label time
- Z – MACHINE Name
- z – Tare link no
- % - PRINT NEXT string”
- %`-Print next Control Character(0 to 255).
- Width should be one character. For Tab use **1%`9**
- { - Packed Date
- / - Sell by Date
- } - Use by Date
- [ - Packed Time
- \ - Sell by Time
- ] - Use by Time
- \*- PLU code and Wt or Qty. Ex 6\*5 means 6char PLU code and 5 digit Wt or Qty

The number before the data variables specifies the no of characters. It can range from 1 to 99.

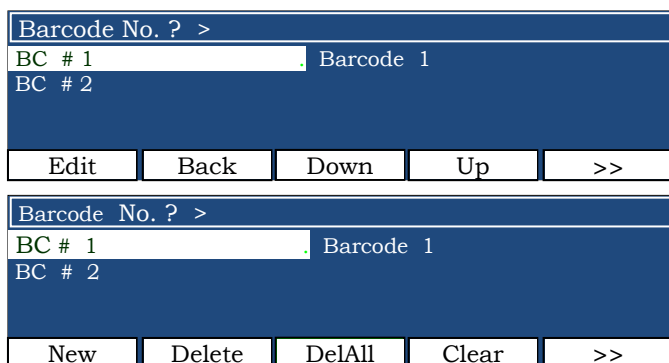
**EXAMPLES**

- 2%74 6C 5X - More Mega Mart
- 2F 13C 5U 5X 1%1 - Reliance Retail Ltd
- 3F 13C 5W 1%1 - Reliance Retail Ltd1
- 2%28 4C 1V 5X - Metro
- 1%2 7C 4X - Spencers
- 1%2 6C 5X - Auchan Super Market
- 1%2 5C 6X - Heritage Fresh

Eg: 2%74 6C 5X

- 2%74 - 2 characters Fixed data 74.
- 6C - 6 characters for PLU Code.
- 5X - 5 Characters for weight or quantity.

12.2. New/Edit Barcode



When ‘Menu> programming > Barcode’ is selected, display will show existing Barcodes in ascending order of Barcode Number.

For editing existing barcode, select barcode from the list using Up and Down soft key or enter barcode number and then Press Edit soft key.

For programming new barcode, first press >> soft key, following screen will be displayed. Now press New soft key.

Barcode : 1				
Barcode Number . 1				
Barcode Name				
Barcode Type				
Barcode Data				
Barcode Fld #1				
Select	Back	Down	Up	Save

Once New/Edit is selected, barcode items will be displayed. Using Up and down soft key browse through barcode items.

Barcode : 1			
Barcode Number			
Barcode Name Reliance			
Barcode Type			
Barcode Data			
Barcode Fld #1			
Enter	Back	Change	Clear

For editing barcode item, press Select soft key.

Ex. To change Barcode Name  
Press Down soft key, Barcode Name will be highlighted. Now press Select soft key.  
Following screen will be displayed.

Suppose if barcode item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.  
Suppose if barcode item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other barcode items can be edited.  
After editing barcode items if you want to retain old value then press Back soft key.

Barcode : 1		Save and Exit? .	
Barcode Number			
Barcode Name Reliance			
Barcode Type			
Barcode Data			
Barcode Fld #1			
		No	Yes

When Back soft key is pressed, "Save and Exit?" message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing barcode items, press Save soft key. If you don't save, the changes will not be updated.

Barcode : 1		Barcode Exist! Overwrite? .	
Barcode Number			
Barcode Name Reliance			
Barcode Type			
Barcode Data			
Barcode Fld #1			
		No	Yes

When Save soft key is pressed if any changes were done to barcode then "Barcode Exist! Overwrite?" message will be displayed.  
Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes



When no barcode is programmed then "NO BARCODES! ADD NEW" message will be displayed as shown below.

Barcode No. ? >				
NO BARCODES! ADD NEW				
Edit	Back	Down	Up	>>

### 12.3. Delete Barcode

Select the barcode record to be deleted using Up and Down soft keys or directly enter barcode No.

Press Delete soft key to delete selected barcode record.

Once Delete soft key is pressed, "Delete Barcode?" message will be displayed.  
Press YES soft key to delete selected barcode.

Barcode No. ? >				
BC # 1 Barcode 1				
BC # 2				
New	Delete	DelAll	Clear	>>

Barcode No. ? >		Delete Barcode ? .		
BC # 1 Barcode 1				
BC # 2				
		No	Yes	

Press No soft key to cancel deleting of a barcode record.

## 12.4. Delete All Barcodes

Press DelAll soft key to delete all Barcodes. Once DelAll soft key is pressed, "Delete ALL Barcodes?" message will be displayed. Press YES soft key to delete barcodes. Press No soft key to cancel deleting of a barcodes. Barcode 99 will be always created with following data EAN13 and "6C 6X".

## 13. Ingredient Programming

### 13.1. Ingredient Record

Each ingredient contains following details

1. Ingredient Number: Any number between 1 and 9999
2. Ingredient Name: Maximum 15 characters.
3. Line #1: to Line #15: Maximum 48 characters per line
4. Size: Font Selection size 2 char

Maximum number of ingredients is 9999.

### 13.2. New/Edit Ingredient

When 'Menu> programming > Ingredient' is selected, display will show existing Ingredients in ascending order of Ingredient Number.

For editing existing Ingredient, select ingredient from the list using Up and Down soft key or enter ingredient number and then Press Edit soft key.

For programming new ingredient, first press >> soft key, following screen will be displayed. Now press New soft key.

Once New/Edit is selected, ingredient items will be displayed. Using Up and down soft key browse through ingredient items.

For editing ingredient item, press Select soft key.

Ex. To change Ingredient Name  
Press Down soft key, Ingredient Name will be highlighted. Now press Select soft key. Following screen will be displayed.

Suppose if ingredient item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.

Suppose if ingredient item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other ingredient items can be edited.

After editing ingredient items if you want to retain old value then press Back soft key.

Ingredient : 1	Save and Exit?
Ingredient Number	
Ingredient Name	Bread
Line #1	
Line #2	
Line #3	
<input type="button" value="No"/> <input type="button" value="Yes"/>	

When Back soft key is pressed, **“Save and Exit?”** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don’t want to save changes.

After editing ingredient items, press Save soft key. If you don’t save, the changes will not be updated.

Ingredient : 1	Ingredient Exist! Overwrite?
Ingredient Number	
Ingredient Name	Bread
Line #1	
Line #2	
Line #3	
<input type="button" value="No"/> <input type="button" value="Yes"/>	

When Save soft key is pressed if any changes were done to ingredient then **“Ingredient Exist! Overwrite?”** message will be displayed.

Press Yes soft key if you want to save changes. Press No soft key if you don’t want to save changes



When no ingredient is programmed then **“NO INGREDIENTS! ADD NEW”** message will be displayed as shown below.

Ingredient No. ? >				
<b>NO INGREDIENTS! ADD NEW</b>				
<input type="button" value="Edit"/>	<input type="button" value="Back"/>	<input type="button" value="Down"/>	<input type="button" value="Up"/>	<input type="button" value="&gt;&gt;"/>

### 13.3. Delete Ingredient

Select the ingredient record to be deleted using Up and Down soft keys or directly enter ingredient No.

Press Delete soft key to delete selected ingredient record.

Once Delete soft key is pressed, **“Delete Ingredient?”** message will be displayed. Press YES soft key to delete selected ingredient. Press No soft key to cancel deleting of a ingredient record.

Ingredient No. ? >				
I # 1	Ingredient 1			
I # 2				
<input type="button" value="New"/>	<input type="button" value="Delete"/>	<input type="button" value="DelAll"/>	<input type="button" value="Clear"/>	<input type="button" value="&gt;&gt;"/>

Ingredient No. ? > Delete Ingredient ?					
I # 1	Ingredient 1				
I # 2					
				<input type="button" value="No"/>	<input type="button" value="Yes"/>

### 13.4. Delete All Ingredients

Press DelAll soft key to delete all ingredient. Once DelAll soft key is pressed, **“Delete ALL Ingredients?”** message will be displayed. Press YES soft key to delete Ingredients. Press No soft key to cancel deleting of a ingredient.

Ingredient No. ? > Delete ALL Ingredients ?					
I # 1	Ingredient 1				
I # 2					
				<input type="button" value="No"/>	<input type="button" value="Yes"/>

## 14. Message Programming

### 14.1. Message Record

Each message contains following details

1. Message Number: Any number between 1 and 999
2. Message Name: Maximum 15 characters.
3. Message Text: Maximum 48 characters
4. Message Size: Font Selection size 2 char

Maximum number of ingredients is 999.

### 14.2. New/Edit Message

When 'Menu> programming > Message' is selected, display will show existing Message in ascending order of Message Number.

For editing existing Message, select Message from the list using Up and Down soft key or enter message number and then Press Edit soft key.

For programming new Message, first press >> soft key, following screen will be displayed. Now press New soft key.

Once New/Edit is selected, message items will be displayed. Using Up and down soft key browse through message items.

For editing message item, press Select soft key.

Ex. To change Message Name  
Press Down soft key, Message Name will be highlighted. Now press Select soft key.  
Following screen will be displayed.

Suppose if message item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.

Suppose if message item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other message items can be edited.

After editing message items if you want to retain old value then press Back soft key.

When Back soft key is pressed, **“Save and Exit?”** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing message items, press Save soft key. If you don't save, the changes will not be updated.



When no message is programmed then **“NO MESSAGES! ADD NEW”** message will be displayed as shown below.

When Save soft key is pressed if any changes were done to message then **“Message Exist! Overwrite?”** message will be displayed.

Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes

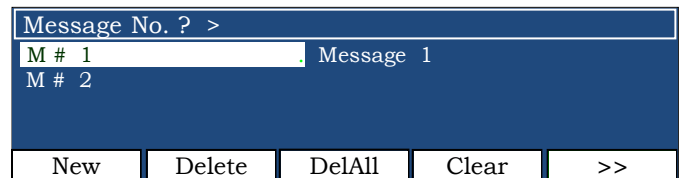


### 14.3. Delete Message

Select the message record to be deleted using Up and Down soft keys or directly enter ingredient No.

Press Delete soft key to delete selected message record.

Once Delete soft key is pressed, **“Delete Message?”** message will be displayed. Press YES soft key to delete selected message. Press No soft key to cancel deleting of a message record.



### 14.4. Delete All Messages

Press DelAll soft key to delete all messages. Once DelAll soft key is pressed, **“Delete ALL Messages?”** message will be displayed. Press YES soft key to delete Messages. Press No soft key to cancel deleting of a Messages.



## 15. Scroll Message Programming

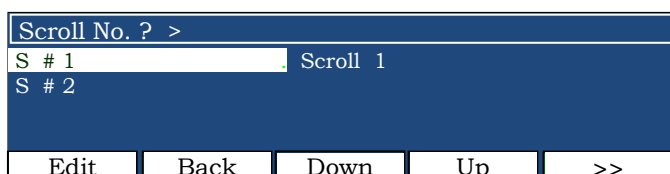
### 15.1. Scroll Record

Each scroll message contains following details

1. Scroll Number: Any number between 1 and 9
2. Scroll Name: Maximum 15 characters.
3. Scroll Text: Maximum 150 characters
4. Scroll Mode: Steady / Blink/ Scroll L2R / Scroll R2L
5. Scroll Speed: Low / Med / High

Maximum number of Scrolls is 9.

### 15.2. New/Edit Scroll



When 'Menu> programming > Scroll Message' is selected, display will show existing Scrolls in ascending order of Scroll Number.

Scroll No. ? >				
S # 1	Scroll 1			
S # 2				
New	Delete	DelAll	Clear	>>

For editing existing Scroll, select Scroll from the list using Up and Down soft key or enter Scroll number and then Press Edit soft key.

For programming new Scroll, first press >> soft key, following screen will be displayed. Now press New soft key.

Scroll : 1				
Scroll Number	1			
Scroll Name				
Scroll Text				
Scroll Mode				
Scroll Speed				
Select	Back	Down	Up	Save

Once New/Edit is selected, scroll items will be displayed. Using Up and down soft key browse through scroll items.

For editing scroll item, press Select soft key.

Scroll : 1				
Scroll Number	1			
Scroll Name	Sunday Discount			
Scroll Text				
Scroll Mode				
Scroll Speed				
Enter	Back	Change	Clear	

Ex. To change Scroll Name  
Press Down soft key, Scroll Name will be highlighted.  
Now press Select soft key.  
Following screen will be displayed.

Suppose if scroll item is an entry type then, clear old name using Clear soft key and then enter new name. Press Enter soft key to save new name.  
Suppose if scroll item is selectable type then, Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other scroll items can be edited.  
After editing scroll items if you want to retain old value then press Back soft key.

Scroll : 1	Save and Exit? .				
Scroll Number	1				
Scroll Name	Sunday Discount				
Scroll Text					
Scroll Mode					
Scroll Speed					
				No	Yes

When Back soft key is pressed, **“Save and Exit?”** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing scroll items, press Save soft key. If you don't save, the changes will not be updated.

Scroll : 1	Scroll Exist! Overwrite? .				
Scroll Number	1				
Scroll Name	Sunday Discount				
Scroll Text					
Scroll Mode					
Scroll Speed					
				No	Yes

When Save soft key is pressed if any changes were done to scroll then **“Scroll Exist! Overwrite?”** message will be displayed.  
Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes



When no Scroll message is programmed, then **“NO SCROLLS! ADD NEW”** message will be displayed as shown below.

Scroll No. ? >				
NO SCROLLS! ADD NEW				
Edit	Back	Down	Up	>>

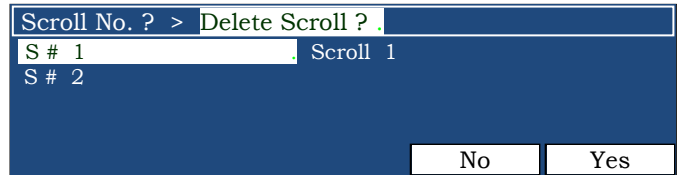
### 15.3. Delete Scroll

Select the scroll record to be deleted using Up and Down soft keys or directly enter ingredient No.

Press Delete soft key to delete selected scroll record.

Scroll No. ? >				
S # 1	Scroll 1			
S # 2				
New	Delete	DelAll	Clear	>>

Once Delete soft key is pressed, **“Delete Scroll?”** message will be displayed.  
 Press YES soft key to delete selected scroll.  
 Press No soft key to cancel deleting of a scroll record.

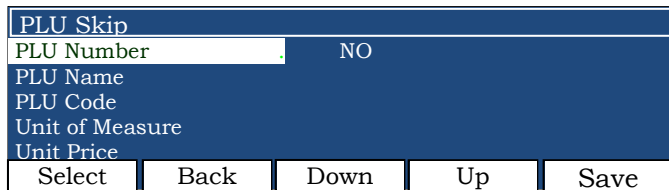


### 15.4. Delete All Scrolls

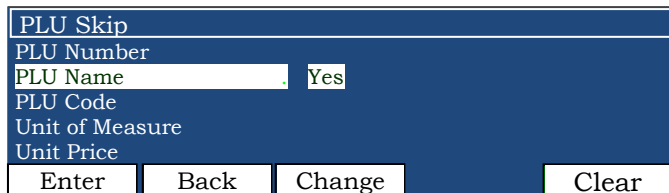
Press DelAll soft key to delete all Scrolls.  
 Once DelAll soft key is pressed, **“Delete ALL Scrolls?”** message will be displayed.  
 Press YES soft key to delete Scrolls.  
 Press No soft key to cancel deleting of a Scrolls.



## 16. PLU Skip Programming



Once PLU Skip is selected, PLU items will be displayed.  
 Using Up and down soft key browse through PLU items.

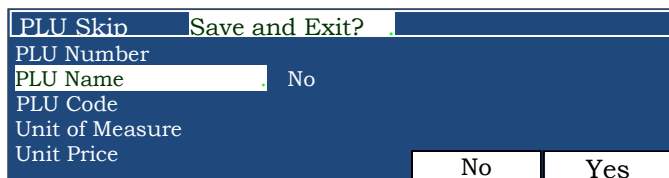


For skipping or not skipping PLU item, press Select soft key.

Ex. To change PLU Name  
 Press Down soft key, PLU Name will be highlighted.  
 Now press Select soft key.  
 Following screen will be displayed.

Select the required option by pressing change soft key and then Press Enter soft key to save the value.

Similarly other PLU items can be edited.  
 After editing PLU items if you want to retain old value then press Back soft key.



When Back soft key is pressed, **“Save and Exit?”** message will be displayed. Press Yes soft key if you want to save changes. Press No soft key if you don't want to save changes.

After editing PLU items, press Save soft key. If you don't save, the changes will not be updated.

Note:

1. PLU Number cannot be skipped.
2. If a particular PLU item is skipped, then while programming PLU, the particular item will be skipped while pressing Up/Down soft keys. This makes editing not possible for the skipped Items.

## 17. Indent Programming

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
[2]			
Clear	Back	Down	Up >>

On Indent key press, current date indent if any is shown in the screen. Using Up and down soft key browse through indented PLU items.

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
[2]			
Print	Delete	DelAll	>>

Press Soft key 5 >> following screen will be displayed. Here we can print displayed indent, delete a selected PLU in the indent and delete all indents can be done.

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
ONION [2]			
Clear	Back	Down	Up >>

To Add a PLU enter PLU no (57) and press PLU key. The name of the PLU will be shown. If PLU does not exist, displays "No PLU" message.

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
ONION [2]			
Clear	Back	Down	Up >>

Now enter weight or quantity required and press Quantity Key. This PLU will get added to the Indent.

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
57	ONION	100.000	25:00
[3]			
Clear	Back	Down	Up >>

The last entered PLU gets selected automatically. The no of indents selected increases by 1.

PLU	ITEM NAME [01/08/2015]	WT/QTY	TIME
1	Apple	10.000	17:15
2	Coconut	25	20:00
57	ONION	100.000	25:00
Delete Indent?			
		No	Yes


To delete Coconut, highlight using up and down soft keys. Press soft key >>, then press "Delete" key. Confirmation will be asked, press "Yes" soft key.

### Notes:

1. Only current day indent can be printed or edited.
2. The all Indent gets deleted automatically once application software receives it.
3. While in Indent screen, if application software pulls data, then screen changes to Weighing mode.
4. Indent can be edited any number of times.


## IX. TRANSACTION

### 1. Basic Operations

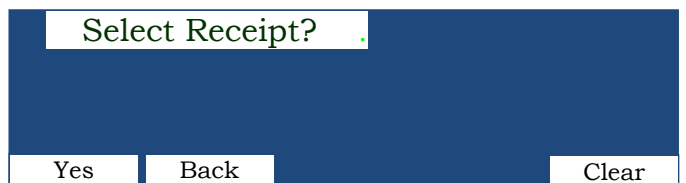
The RX can work in Label or Receipt print Modes based on what type of printer is equipped right now. The printer type is selected by  Preset key. By default Label Mode is selected. In Label print mode only Item label and Total Label can be printed. In Receipt Print Mode, bills and reports can be printed.

The printer currently assembled makes the difference between Label and Receipt. For Label mode, use only label paper and Receipt mode use only receipt paper. If we interchange print media, damage to print head and wastage may happen.


#### 1.1. Label/Receipt Selection

Press  preset function key to change between Label and Receipt selection. Receipt operation needs Receipt printer in the Machine.

Bills and Reports can be printed only in receipt mode.

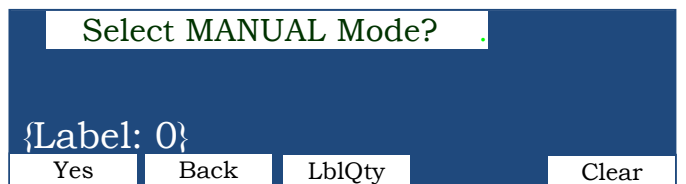


#### 1.2. Prepack/Manual Mode Selection

Press  preset function key to change between Manual and Prepack mode selection. In Prepack mode, PLU is not cleared and label is auto printed irrespective of Menu> Label Settings>Label Auto Print.

{Label: 5} indicates remaining labels to be printed. LblQty can be entered only after going to Prepack Mode. Weighing items needs unload for next label. In Prepack mode, if continuous label is required after printing required label for a particular PLU, enter LblQty as 0 and press back Key.


In Manual mode unload logic for weighing item is not required. But if Menu> Label Settings>Label Auto Print is Yes, then unload logic is required. The selected PLU will get cleared if PLU Fix is not enabled. Use Fix Preset function KEY to enable PLU Fix.

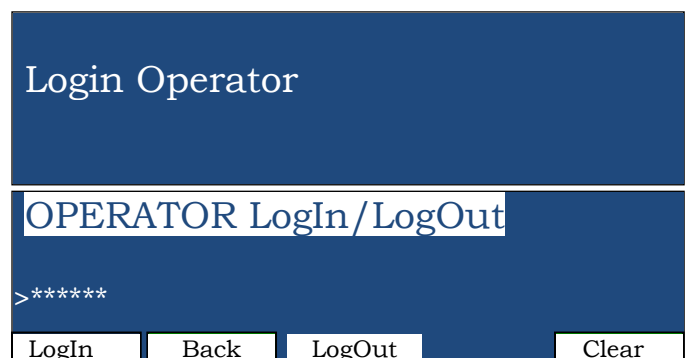


#### 1.3. Operator Log In

Without operator login, no transaction can be carried out.

If we enter numbers, PLUs and other predefined functions without a operator logged in, "Login Operator" message is shown. Menu is accessible without a operator logged in.


Press  function key. Enter the operator number and then press LogIn softkey. If operator is having a password then

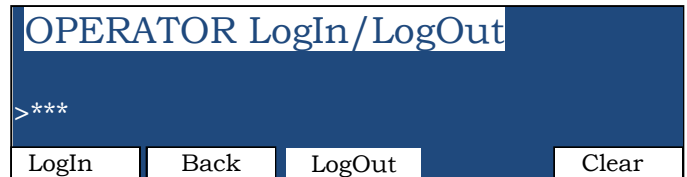


enter operator number followed by operator password.

If operator number is single digit then leading zeros are required. For example, if operator number is 1 and password is 3629 then enter 013629. Entered digits will be displayed as star (\*).

### 1.4. Operator Log Out

Press  preset function key. Enter the operator number and password if any and then press LogOut softkey. The current operator will be logged out. All pending transactions should be closed before logging out. If operator number is 1 digit and password is provided, then leading zero for operator number is required. Entered digits will be displayed as star (\*).



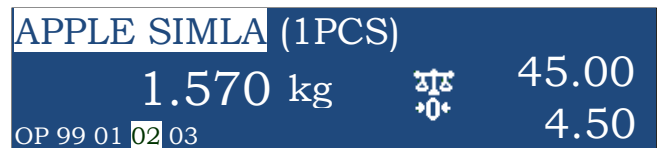
### 1.5. Selecting Operator

When 'Menu> Label Settings>PLU Recall Method is Manual '.

Before Labeling / billing operator has to be selected. Only operators who are logged in can be selected.

To select operator,

- Enter Operator number in application mode.
- Press Operator softkey. Password is not required while selecting operator.



Press Operator Function preset key.

- Enter Operator number.
- Press Operator softkey. Password is not required while selecting operator.



- Operator can be selected via Operator Select function preset key also. This is one key operation.

### 1.6. Calling Up a PLU

There are three ways to call up a PLU by using numeric key, preset key and PLU Search soft key.



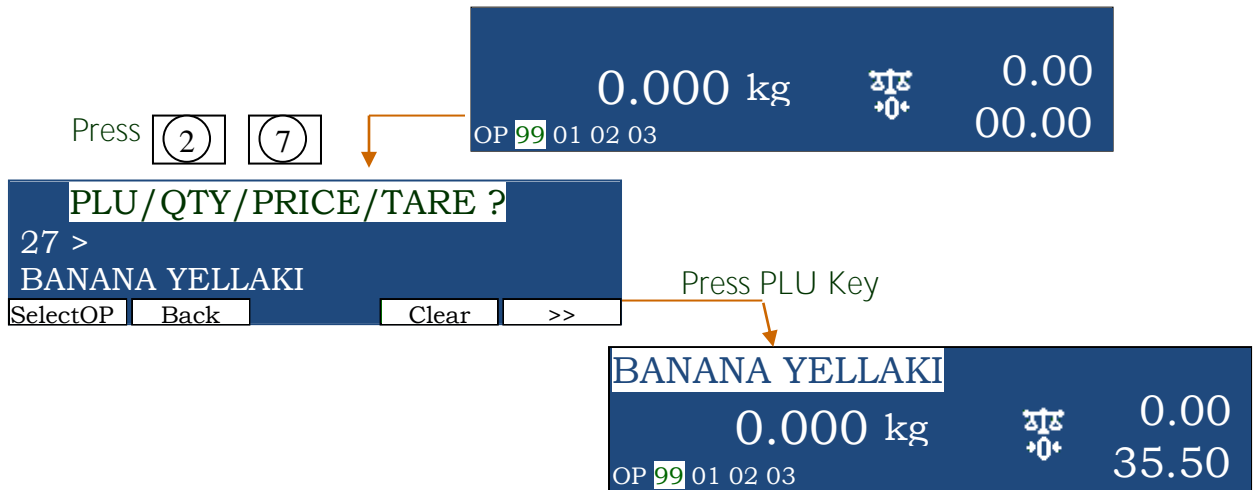
To clear the current PLU, Enter 0 key in application mode and then press PLU key. It will clear PLU name and PLU unit price from the application screen.

#### 1.6.1. Using Numeric key

When 'Menu> Label Settings>PLU Recall Method is Manual '.

Enter PLU number or PLU Code (depending on option selected in 'Menu> Setting> PLU Recall By') by using numeric keys in application mode and press PLU key.

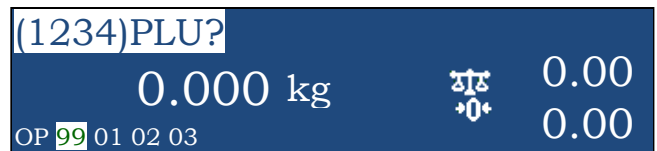
Ex: PLU number 27.



When 'Menu> Label Settings>PLU Recall Method is Intelligent'.

As the PLU no or Code is typed in, the current matching PLU is recalled automatically there by reducing one "PLU" key operation.

If a particular PLU does not exist, then RX will show the code which is not available.



For clearing PLU code entered, Press "PLU" key display will get clear, freshly enter a PLU code.  
 For changing quantity, press "QTY" key, enter required quantity.  
 For changing Unit Price, press "PRICE" key, enter price.

In case Menu> Label Settings>Label Auto Print is Yes and PLU Recall Method is Intelligent, the auto print will have delay of 0.5 second. This is done to avoid printing intermediate PLU before full PLU code is entered in.



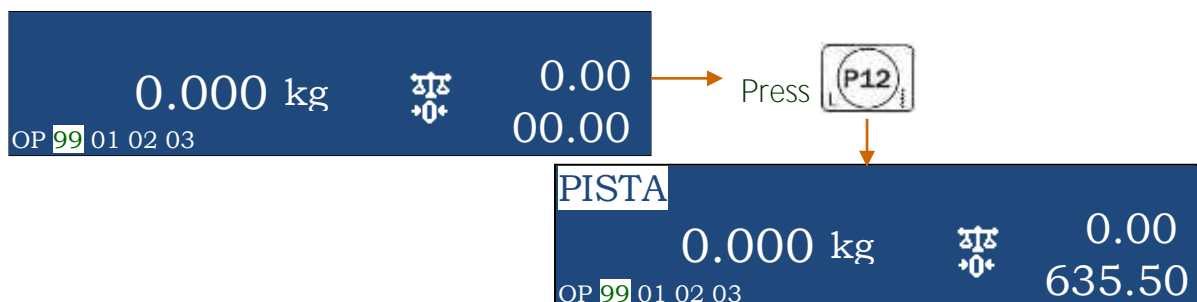
If PLU Recall Method is Intelligent Digital Tare, Operator selection etc NOT possible.

### 1.6.2. Using Preset key

Press Programmed PLU Preset keys.

Ex. To recall PLU Number 25, if you have programmed PLU Preset key P12 to be PLU number 25, then you need to press just P12 key. (PLU Preset keys can be programmed in 'Menu> Programming> PLU Preset keys'.

PLU#25: PISTA



### 1.6.3. Search soft key

PLU's name can be searched and the required PLU can be selected from application mode.

In application mode, press Search soft key. RX will display all the PLUs sorted in alphabetical order of PLU names.

PLU names can be browsed using UP and Down soft keys. You can also enter characters, so PLU names matching entered characters will be displayed.

Ex. If you are looking for PLUs starting with M, then just enter M. All the PLUs names starting with M will be displayed.

Press Use soft key to use selected PLU for the transaction. Selected PLU will be displayed in application mode as shown.

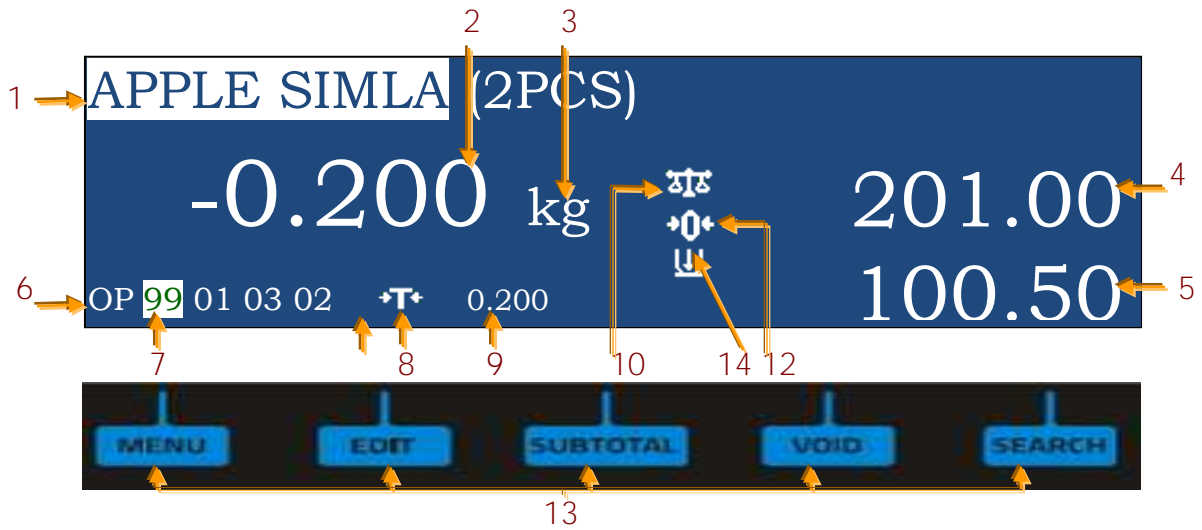
PLU Name Search? >				
APPLE AUSTRALIAN				
APPLE SIMLA				5
BADAM				
BANANA RAW				
MANGO ALPANSO				
Use	Back	Down	Up	Clear

PLU Name Search? M>				
MANGO ALPANSO				261
MANGO BADAMI				
MANGO GINGER				
MANGO NEELAM				
MANGO RUMANI				
Use	Back	Down	Up	Clear

MANGO ALPANSO				
0.000 kg		₹	0.00	
		₹	1234.50	
OP 99 01 02 03				

## 2. Label Printing

### 2.1. Application Screen



- |                             |                           |
|-----------------------------|---------------------------|
| 1. Active PLU Name          | 2. Weight on the platter. |
| 3. Unit of weight selected. | 4. Total Price            |
| 5. Rate                     | 6. Active Operators       |
| 7. Current Operator         | 8. Tare weight indicator  |
| 9. Tare Weight              | 10. Stability indicator   |
|                             | 12. Zero weight indicator |
| 13. Soft key names.         | 14. PLU Reorder           |

If weighing PLU -> Total Price = unit price \* PLU Item weight.  
 If non-weighing PLU -> Total price = unit price \* PLU Item quantity

#### Key Entry Mode

Press any numeric key in Application mode (Ex. Enter 1)



Press Soft key 5 (>>)



## 2.2. Fixing PLU in Manual Mode

Press assigned preset function key to fix the selected PLU. In Manual mode, Fixing PLU will not clear current one. If

Press again to remove Fix PLU. Fixing PLU in Prepack mode is not required.



## 2.3. Item Label

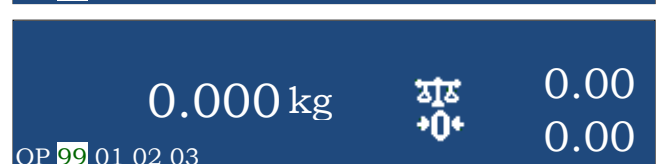
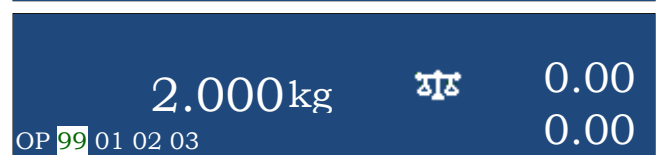
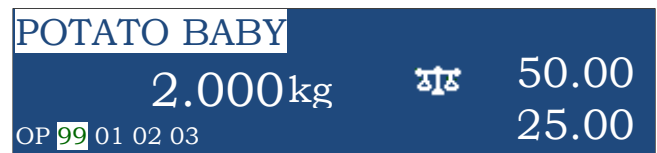
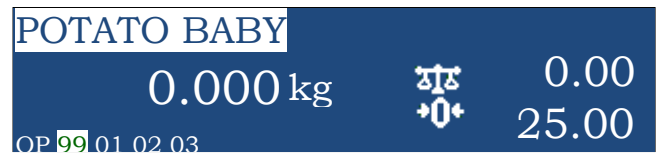
### 2.3.1. Weighed Item

Example:

- PLU No: 5, PLU Name: POTATO BABY, Unit of Measure: WEIGH, Farmer, Unit Price: Rs.25.00
- Sales Weight: 2.000kg

1. Press Preset key to call up a PLU. User may call up a PLU either by pressing preset key or numeric key.
2. Place item(s) on the platter.
3. Press Print key to complete current transaction and print Item Label.
4. Remove item(s) from the platter.

Total Price = Sales Weight X Unit Price.



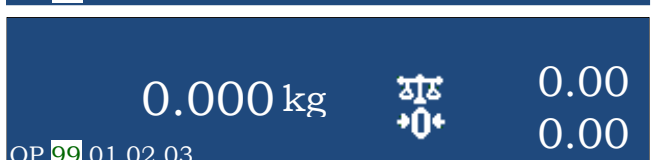
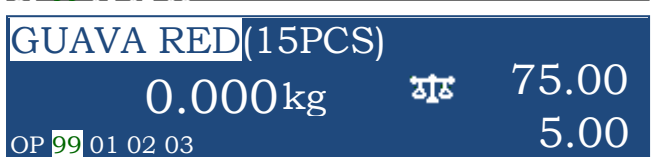
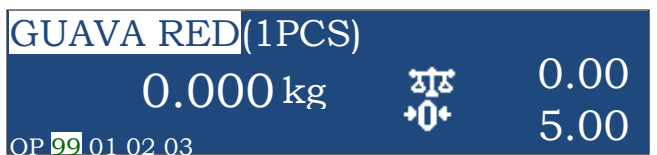
### 2.3.2. By PCS Item

Example:

- PLU No: 35, PLU Name: GUAVA RED, Unit of Measure: PCS, Unit Price: Rs.5.00.
- Sales = 15 pieces (Quantity)

1. Press Preset key to call up a PLU. User may call up a PLU either by pressing preset key or numeric key. Please refer X.2 for details.
2. Enter quantity. (Number of pieces). Press QTY Key. The maximum quantity allowed is 9999.
3. Press Print key to complete current transaction and print item Label.

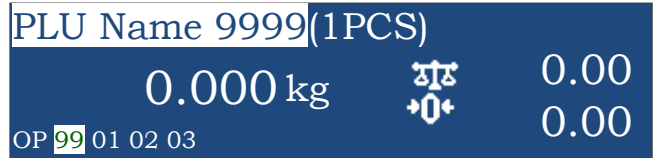
Total Price = Quantity X Unit Price.



### 2.3.3. Default Label Format Printing(Non weighing)

PLU No: 9999, PLU Name: PLU Name 9999, Unit of Measure: PCS, Unit Price: .0.00

Recall the PLU and Press print key to print label.



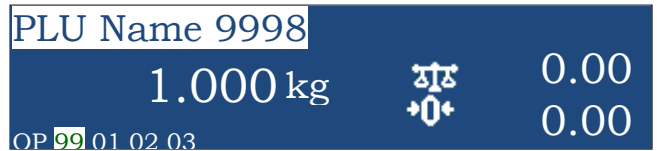
Default Label format 99 and default Barcode code 99 are used for printing the label. This can be used immediately for checking the Label Printer without loading any data from "RXPR App Link" application software.



### 2.3.4. Default Label Format Printing(Weighing)

PLU No: 9998, PLU Name: PLU Name 9998, Unit of Measure: WEIGH, Unit Price: .0.00

Recall the PLU and keep an item on the platter. Press print key to print label



Using default Label format 99 and default Barcode code 99 are used to print.



## 2.4. Total Label

When 'Menu> Settings>Hot PLU is set to 'No'.

When 'Menu> Label Settings>Total Label Link =50'.

When 'Menu> Label Settings>Total Barcode Link =50'.

Make sure label and barcode for the above links available in machine by uploading and/or programming in the machine. If only total label is required, then do not link label no in PLUs.

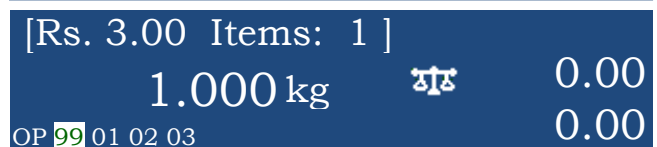
Example:

- PLU No: 1, PLU Name: Pumpkin Green, Unit of Measure: WEIGH, Unit Price: Rs.8.00.
- PLU No: 20, PLU Name: Potato Fresh premium, Unit of Measure: PCS, Unit Price: Rs.17.90.
- PLU No: 300, PLU Name: Bottle Gourd Large, Unit of Measure: WEIGHT, Unit Price: Rs.9.90.

1. Call up PLU 1. Place the Pumpkin Green.



2. Press OP+ key. Item label is printed



3. Call up PLU 20.
4. Press OP+ key. Item label is printed
5. Call Up PLU 300. Place Bottle Gourd Large. Press Print key.
6. First Item label is printed followed by Total Label. So take item label and Total label will come out.

<b>Potato Fresh premium (1PCS)</b>			
0.000kg	₹	17.90	
OP 99 01 02 03		17.90	
<b>[Rs. 25.90 Items: 2 ]</b>			
0.000 kg	₹	0.00	
OP 99 01 02 03		0.00	
<b>Bottle Gourd Large</b>			
5.000kg	₹	49.50	
OP 99 01 02 03		9.90	
<b>[Rs. 75.40 Items: 3 ]</b>			
5.000 kg	₹	0.00	
OP 99 01 02 03		0.00	

## 2.5. Sample Labels

Item Label 1



Item Label 2



Item Label 3



Total Label of Three Items



## 2.6. Fixed Price

When a PLU set with "Fixed Price" is yes, and then the Total Price is same irrespective of weight or quantity. This can be used when giving free items with unlimited weight or quantity. Only display and printing is affected, but sales data will reflect correct total price value.

## 2.7. Notes



- No Duplicate Label of Item and Total Label is possible.
- **“PRINTER HEAD OPEN!”** message is shown if printer head is not closed properly.
- If Printer Door is open then **“PRINTER DOOR OPEN!”** message shown.
- No label condition, message **“NO PAPER!”** is shown. If more than one message exists, then priority is given above order.
- When label is not taken out, message **“TAKE PRINTED LABEL!”** is shown.
- If functions meant for receipt is tried to operate in Label Mode, **“Select RECEIPT” message will be shown.**
- Maximum Item Label Number is 99999. If Item Label number exceeds 99999, then RX will display **“BILL NO. > 99999”**  
**“CLEAR ALL REPORTS”**  
During this condition, take all the reports and clear it. Once reports are cleared, bill number will be reset to 1 or any starting higher value.
- Each Total Label can have maximum 99 items. If we try to do transaction of 100<sup>th</sup> item then **“Items greater than 99!”** message will be displayed momentarily. During this condition, clear selected PLU and then press Print key to close bill and print bill.
- **“Zero Item!”** message will be displayed for the following conditions:
  - If weighing PLU and weight on the platter is less than min limit weight and
  - If items added is zero.
- **“Weight Not stable!”** message will be displayed after checking for stable for 1 second.
- If inventory is enabled ( Menu> Settings> Inventory Enable) **and if recalled PLU’s stock is less than the weight or quantity being transacted then “Stock NOT there!” message will be displayed.**
- If *‘Menu> Reports> Clear Today’s sales Auto’* is set as **‘Yes’** then whenever there is change of date when first bill is transacted, all the sales done previously will be deleted and then current bill will be printed.

Clearing Yesterday's Sales...

### 3. Other Operations

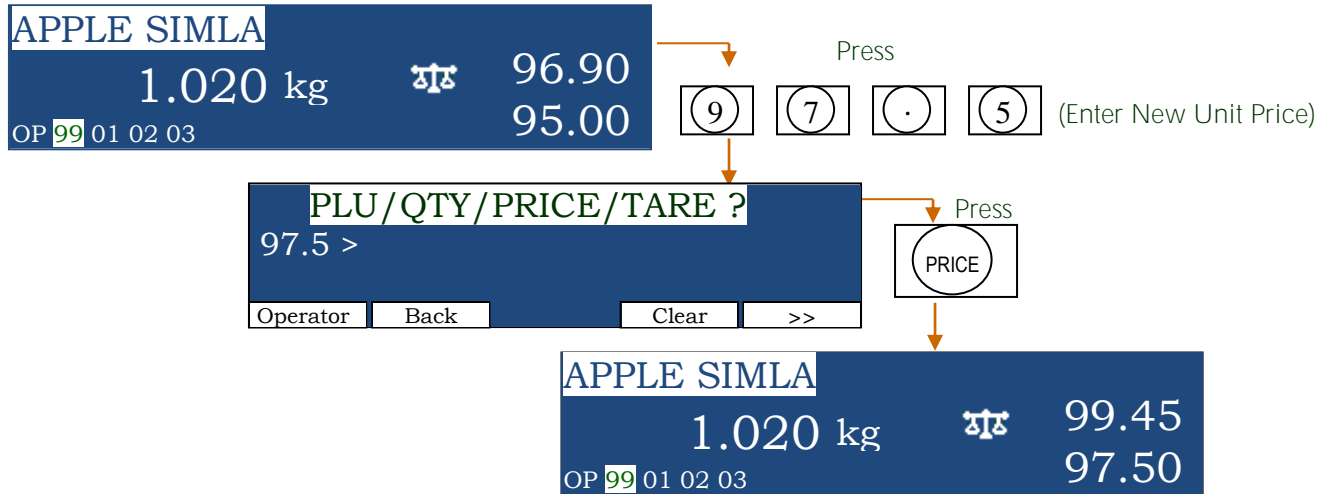
#### 3.1. Unit Price Override (By-Weight PLU)

When 'Menu> Label Settings>PLU Recall Method is Manual'.

The Price key is used to temporarily change the Price of selected PLU.

For Price override, 'Menu> Setting> PLU Price Override Enable' should be set as 'Yes'.

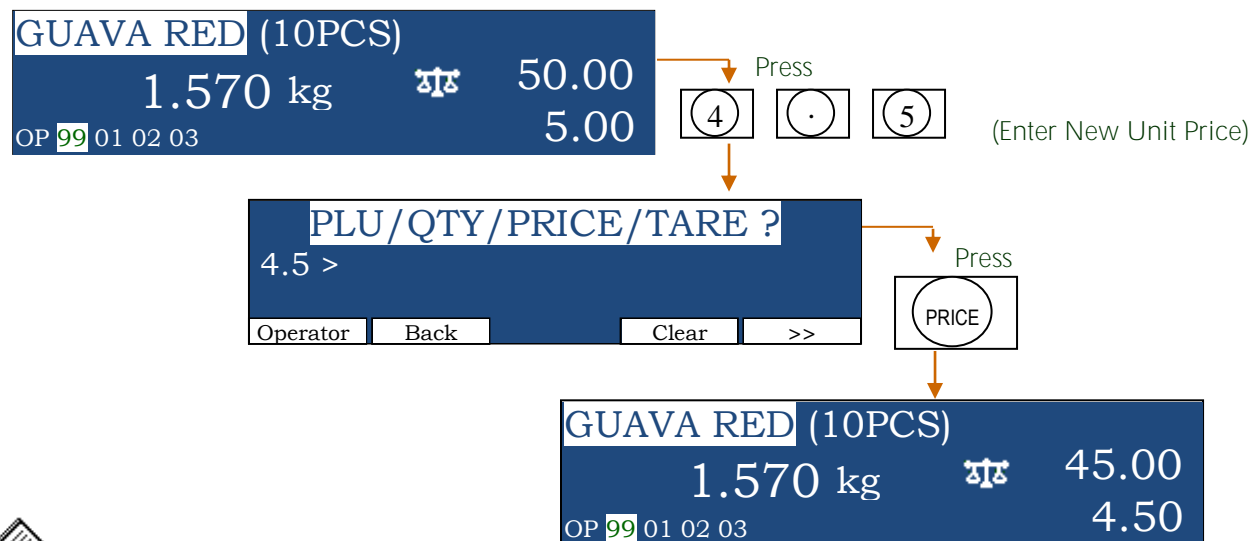
EX: PLU # 1. APPLE SIMLA (PLU Type: By Weight, Unit Price: Rs.95.00).  
New Unit Price: Rs.97.50



#### 3.2. Unit Price Override (By-PCS PLU)

When 'Menu> Label Settings>PLU Recall Method is Manual'.

EX: PLU # 6. GUAVA RED (PLU Type: By PCS, Quantity: 10, Unit Price: Rs.5.00).  
New Unit Price: Rs.4.50



Maximum Unit price is 9999.00. In bill, price override items will be printed in emphasized font (bold).

#### 3.3. Special Unit Price Override (By-PCS PLU)

This function preset key is for Entering special price available in PLU.

- If assigned preset key for Special Price is pressed. The below display is prompted.
- Press Yes soft key to override the Unit price. If Special price is zero "Spl Price 0.0" message is shown and not accepted.



### 3.4. Discount Override Operation

When 'Menu> Label Settings>PLU Recall Method is Manual'.

To change discount, "Menu> Settings> Discount Enable" should be set as 'Yes'.



Override PLU Item Discount:

Discount value: Enter Discount Value then Press >> and IDisct soft key.

Discount in %: Enter Discount Value suffixed by '%' and then Press >> and IDisct soft key.

Discount link no: Enter Discount Link number suffixed by 'L' and then Press >> and IDisct soft key.



RX will display "**IDISCNT ERR**" for the following conditions:

- If item discount > 100 %.
- If entered discount link number is not programmed already.
- If '%' and 'L' not entered at the end.
- If unit price of non PLU is zero.
- If no PLU is selected.



If item discount exceed total price then RX will display "Total **Price Zero**".

Item discount will be applied before applying tax to the item.

Item discount is applied based on the priority level.

- |                     |   |                  |
|---------------------|---|------------------|
| Override Discount   | ← | Highest priority |
| PLU Discount        |   |                  |
| Group Discount      |   |                  |
| Department Discount | ← | Least Priority   |

Subtotal Discount:

Subtotal discount can be entered any time before bill is closed in application mode.

Discount value: Enter Discount Value then Press >> and STDiscnt soft key.

Discount in %: Enter Discount Value suffixed by '%' and then Press >> and STDiscnt soft key.

Discount link no: Enter Discount Link no suffixed by 'L' and then Press >> and STDiscnt soft key.



RX will display "STDISCNT ERR" for the following conditions:

- > If subtotal discount > 100 %.
- > If entered discount link number is not programmed already.
- > If '%' and 'L' not entered at the end.



If discount link number is entered for subtotal discount then, only discount type and first discount will be taken from programmed discount.

Subtotal discount will be applied after applying tax.

### 3.5. Edit

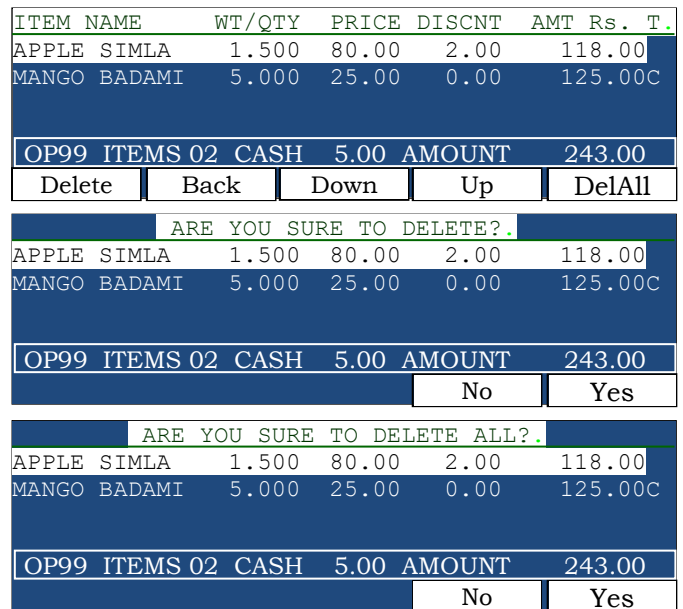
In complete bill can be edited. At least one item has to be present in the bill. Before bill is printed, all the transaction or a part of transaction of one operator can be cancelled.

In application screen, press Edit soft key to edit bill before it is printed. When Edit soft key is pressed following screen will be displayed.

Any item of the bill can be deleted. Select the item using Up and Down soft key. Highlighted item indicates item selected.

Press Delete soft key to delete item selected. Confirmation screen will be displayed as shown. Press Yes soft key to delete item. Press No to cancel delete.

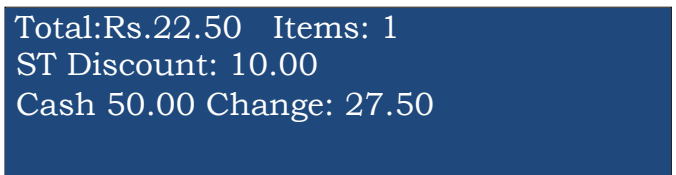
Similarly, press DelAll soft key to delete all items of the bill. Confirmation screen will be displayed as shown. Press Yes soft key to delete all items. Press No to cancel delete.



### 3.6. Subtotal

To check subtotal, press SubTotal soft key (i.e. soft key 2) in application mode.

RX will display, Bill subtotal, no of items transacted, subtotal discount amount, Cash paid by the customer and change to be given back to the customer.

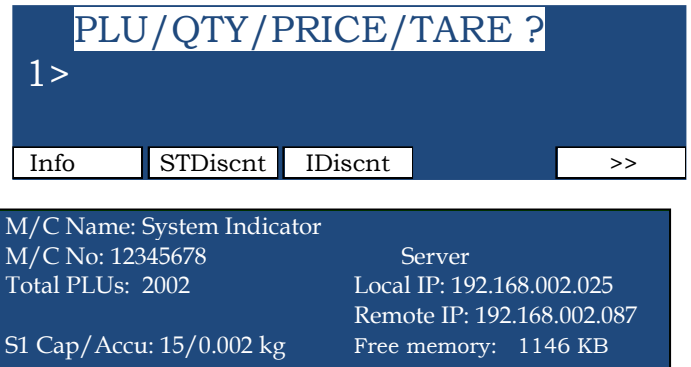


### 3.7. Info

When 'Menu> Label Settings>PLU Recall Method is Manual'.

To get the basic information of RX such as free memory, total PLUs, Active scale Cap/Accu, Ethernet addresses if enabled do following:

1. Enter any numeric value.
2. Press >> soft key.
3. Press Info soft key.
4. Info screen will be displayed for few seconds and then RX goes back to the application mode.



### 3.8. Coupled PLU

For selling more than one PLU as a package. The coupled PLU is recalled automatically.

## 4. Function Preset

For assigning the function to preset keys refer Preset programming section.

### 4.1. Operator

This function preset key is for selecting the current operator. Maximum 4 active bills can be in unclosed billing condition. This is provided in addition to normal (refer X 4).

- If assigned preset key for Operator is pressed. The below display is prompted.

- Enter the Operator number and press Operator soft key. If operator is having a password, please enter after the operator number. Leading zero is required for single digit operator number with password.



For instance if operator number is 1 and password is 9874, then enter as 019874.

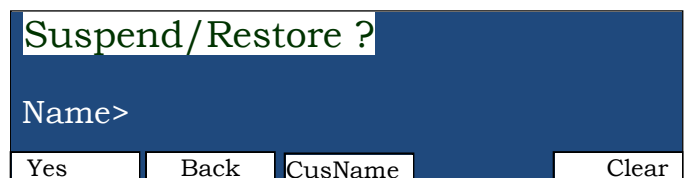
- If the operator is not programmed or password is wrong or already 4 active operators are there, "OP ERR" message is shown.

### 4.2. Suspend/Restore

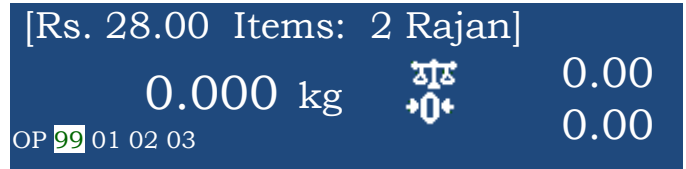
Each operator can suspend one bill. This function preset key will suspend current bill if any and restore the bill which is suspended last if any.

- If assigned preset key for Suspend/Restore is pressed. The below display is prompted.

- Enter the name of the customer (15 characters maximum) and press CusName soft key. It is recommended starting customer name with a space for readability when displaying it.



- Now press Yes soft key. The current bill is suspended with "Name" reference and restore last suspended bill (for instance Rs. 28.00 items: 2, "Rajan").
- The display will look as opposite.



### 4.3. Item Discount

This function preset key is for Entering and Viewing the Item Discount for the current bill. This is provided in addition to normal (refer X 5).

- If assigned preset key for Item Discount is pressed. The below display is prompted. We can enter in three methods 1. Direct Value (5.00). 2. Percentage (2.5%) 3. Discount Linking (1L). The linked number should be available.
- Enter the Item Discount value and press IDiscnt soft key. We can see the previously entered Item Discount value in the {0.00}. This display reverts to application screen.



### 4.4. Sub-Total Discount

This function preset key is for Entering and Viewing the Sub-Total Discount for the current bill. This is provided in addition to normal (refer X 5).

- If assigned preset key for Sub-Total Discount is pressed. The below display is prompted. We can enter in three methods 1. Direct Value (5.00). 2. Percentage (2.5%) 3. Discount Linking (1L). The linked number should be available. In linking Discount Type and First Discount is valid for Sub-total.
- Enter the Sub-Total Discount value and press STDiscnt soft key. We can see the previously entered Sub-Total Discount value in the {0.00}. This display reverts to application screen.



### 4.5. Digital Tare

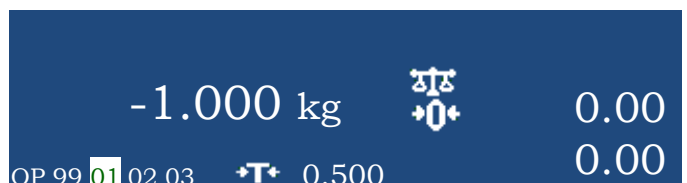
This function preset key is for doing digital tare.

Before doing digital tare display will look as shown.



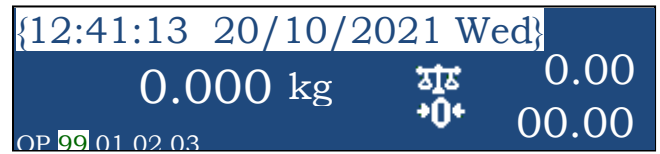
If assigned preset key for Digital Tare is pressed corresponding value will be tared automatically.

Eg. If Tare value for Tare number 1 is programmed as 0.500 and assigned preset key for digital tare 1 is pressed then 0.500 kg will be tared as shown.



## 4.6. Date and Time Display

If current operator is not having any pending billing for last 60 seconds and scrolling is not enabled, then the Date and Time is shown in display until a PLU is selected and billing operation is done.



## X. TECHNICAL SPECIFICATIONS

### Basic Specification:

Model Number	RX-850
Description	RX-850 Label Printing Scale.
Model Type	EV(Elevated)
Weighing Units	g, kg (selectable)
Maximum Display Resolution	Max. 1/10000
Internal Resolution	Max. 1/600000
Processor	32-bit ARM processor
ADC	24 bit precision delta-sigma
Weight Sensor	Load cell
Calibration Method	Software calibration
Calendar/Clock	Date/Time available through in-built RTC

### Environmental condition:

Power Supply	230V AC, 50Hz, +/-10%
Power Consumption	30 W (MAX)
Operating Temperature	0°C to 45°C
Operating Humidity	Max. 85% Rh (non-condensing)

### Model approval:

Weight & Measures	Class III Model approval from RRSL
Bench/TT - Class III	IND/09/22/93

### Display:

Operator Display	256x64 pixels Graphical Dot Matrix LCD Display with White Black Light
Display Active Area	140.28 X 35.52 mm
Customer Display	256x64 pixels Graphical Dot Matrix LCD Display with White Black Light
Display Information	<ul style="list-style-type: none"> <li>• 20 Character PLU Name/Sub Total and Items</li> <li>• Unit Price : 6 digits ( max 9999.00)</li> <li>• Total Price : 6 digits ( max 9999.99)</li> <li>• Weight : 6 digits (Wt max 999.999, Qty max 9999)</li> <li>• Tare : 6 digits</li> <li>• 4 Active Operators</li> </ul>

### Label Printer

Effective Printing Width	54mm(448 dots)
Speed	80mm/sec minimum
Paper	<ul style="list-style-type: none"> <li>• Width Min(20mm), Max(62mm)</li> <li>• Length Min(20mm), Max(110mm)</li> <li>• Thickness Max(170micron)</li> </ul>
Barcode	EAN-13, CODE128(A,B,C) & QR CODE
Fonts	<ul style="list-style-type: none"> <li>• 2 Fonts(9*17 &amp; 12*24)</li> <li>• 9*17 maximum 48 character without magnification</li> <li>• 12*24 maximum 36 characters without magnification</li> <li>• 6 times magnification in X and Y direction</li> <li>• Rupee Symbol</li> </ul>
NV Bit Image Memory	64KB
Label Roll Diameter	Outer Dia Max(120mm), Inner Dia 28mm

Key Board

Key Board	Total Keys 101, key type – Tact Switch - Preset keys – 70( 2 pages for PLU/preset function recall) - Numeric keys – 15 - Function keys – 9 - Soft keys – 5
Key Sheet	Polyester

Printing Information:

PLU No.	4 digit (1 to 9999)
PLU Name	20 Characters 2 Lines & 9 Characters Single Line
Unit Price	<ul style="list-style-type: none"> <li>6 digit (999.99)</li> <li>If price is &gt;999.99 then it will print as max as 9999.9 Eg: For Rs.1000.00 it will print as 1000.0</li> </ul>
Total Price (Item)	7 digit (9999.99 or 99999.9)
Bill Total Amount	12 digit (999999999.99)

Mechanical:

Console MOC	Base = HIPS plastic ,top Housing = HIPS plastic
Console Dimension	Length = 370mm, Depth = 386mm, Height = 575mm

Standard Interface Feature:

External Interface	<ul style="list-style-type: none"> <li>USB Port (for keyboard and/ scanner)</li> <li>Supporting Scanner models – ZEBRA DS2208(1D/2D) / DS9308(1D/2D) / LS2208 (1D)</li> <li>RS232 – 1Nos</li> <li>Ethernet</li> </ul>
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Factory Option:

Optional Interfaces	Description	Product Code 7 and 8 digit
	Wi-Fi( Range Up to 20 Mtr line of sight)	

Standard Feature:

Memory	2MB (Expandable upto maximum 4 MB with factory option)
PLU	5000(name, code, group, price, tax, discount, tare, etc) 9999(4MB memory required)
Departments	99 ( name, tax, & discount)
Groups	999 ( name, department, tax & discount)
Operators	99 (name & password)
Taxes	9 ( name, type & rate)

Tares	99 ( name, value)
Barcodes	99(name, type, data, etc)
Ingredients	9999(name, name, line1-line15(max 48 chars each line))
Messages	999(name, text(max 48 chars))

Logos	99(64KB maximum)
Label Designs	99
Scroll Message	9(name, text(max 150 chars))
Header/Footer	5 Lines ( 32 characters).Bold Option (16 characters) for each line
Bill Storage	Last 2000 bills ( 5 items per bill)
Bill Summary	Last 3500
Functional/Features	<ul style="list-style-type: none"> <li>• Browse Bill (Current) for editing Total Label</li> <li>• Void the last item for Total label</li> <li>• Global control of Tax, Discount, Inventory etc</li> <li>• Price rounding to either Rs. 0.50/1.00</li> <li>• Easy Menu for entering data, programming, commands etc</li> <li>• Hot PLU to reduce add operation</li> <li>• One Bill Suspend per operator</li> <li>• Linked PLU and Coupled PLU</li> <li>• External Scale connectivity(Standard scales, PG/FB and AJ/HT/HTR)</li> <li>• Operator password to avoid mix-up</li> </ul>
Label Type	<ul style="list-style-type: none"> <li>➤ Item Label</li> <li>➤ Total Label</li> </ul>
Label Print Mode	<ul style="list-style-type: none"> <li>➤ Pre pack</li> <li>➤ Manual</li> <li>➤ Auto Label</li> <li>➤ Check weighing Label</li> </ul>
<ul style="list-style-type: none"> <li>❖ Following Reports can be taken from Application software, RXPR App link</li> <li>❖ These reports can be exported to MS Excel, Text, CSV and PDF.</li> </ul>	
Reports Application SW	<ul style="list-style-type: none"> <li>➤ Total Sales (Today/Accumulated)</li> <li>➤ PLU Sales(Today/Accumulated)</li> <li>➤ Department Sales(Today/Accumulated)</li> <li>➤ Group Sales(Today/Accumulated)</li> <li>➤ Hourly Sales(Today/Accumulated)</li> <li>➤ Operator Sales(Today/Accumulated)</li> <li>➤ Bill Summary (Today/Accumulated)</li> <li>➤ Inventory</li> <li>➤ PLU Price Override(Today/Accumulated)</li> <li>➤ Bill Cancellation(Today/Accumulated)</li> <li>➤ PLU Reference</li> <li>➤ PLU Reorder</li> <li>➤ Non-Cash(Today/Accumulated)</li> <li>➤ Total Sales Summary</li> <li>➤ Detailed Inventory Report</li> </ul>

Application Software:

“RXPR App Link 16.XX” with Multi PLU Master, PLU Mapping, PLU Manager, Programming, Programming Mapping, Reports, Receive Bills, Label Designer, Scale Manager, File Manager, Configuration, Cloning, Windows Service and Scheduler etc.

“RXPR ETLDRV 17.XX” **driver version**

Multiple Scale with Ethernet network and Single machine with RS-232 Interface

Installing/Uninstalling RXPR App Link

System Requirements

Operating System

- Microsoft Windows 10 – 64bit

Hardware

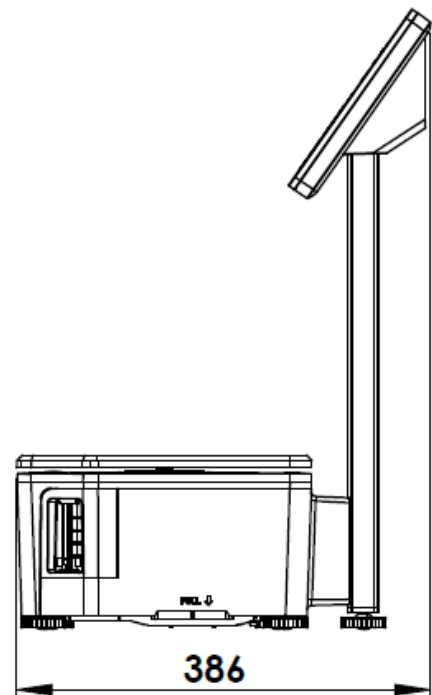
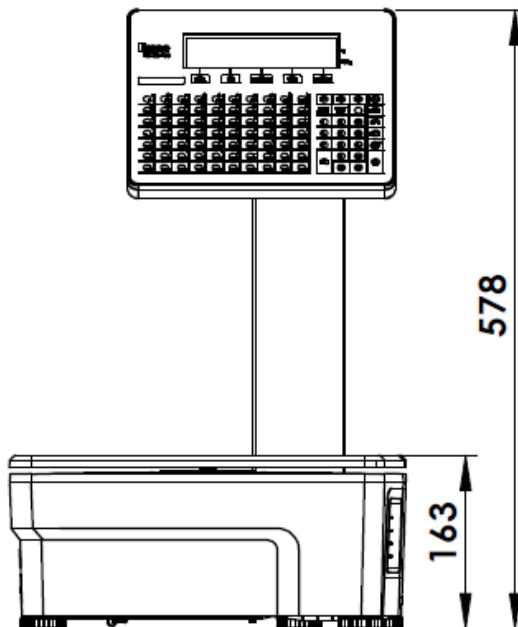
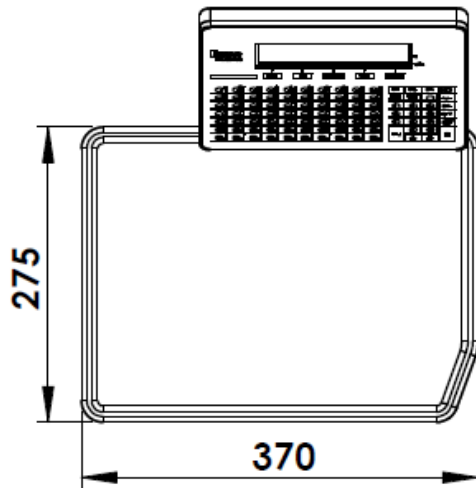
- Recommended: 2.0 GHz quad core or higher CPU, 4GB or Higher RAM, 1280x1024display, 7200 RPM or higher hard disk
- 10 GB of free hard drive space for storing Software files and Database, more would be better.
- We recommend that RXPR App Link will be most comfortable to work with a screen resolution of 1024 x 768 or Greater.
- Frequent power failures may damage the database, we recommend that you're PC should be protected with an Online UPS (Uninterrupted Power Supply)

Annexure

Capacity & Accuracy	Resolution	Tare value	Platform Size (mm)	Platter MOC	Product code
6kgx1g	1/6000	-2.999kg	370(L) X 275(D)	SS	
15kgx2g	1/7500	-7.498kg	370(L) X 275(D)	SS	
30kgx5g	1/6000	-15.495kg	370(L) X 275(D)	SS	

SCHEMATIC DIAGRAM FOR RX series

All dimensions are in mm



Application - Single machine with RS-232 Interface



Note: Hub, PC, Server, Router, Cable and Cable routing are customer scope

## XI. DISPLAY MESSAGES

- **PRINTER HEAD OPEN!**  
Message with Label Printer when head is not closed
- **PRINTER DOOR OPEN!**  
Message with Label Printer when printer is not closed fully
- **NO PAPER!**  
When no print media is present.
- **TAKE PRINTED LABEL!**  
When last printed Label is not removed from current position.
- **Zero Error.**  
Message occurs when weight on the platter is less than the value set in PON Zero start Range.
- **Disp Resolution**  
Message occurs, when capacity by accuracy of weights in basic is greater than 15,500.
- **Underflow**  
Message occurs, when weight on the platter is less than 5% of scale capacity
- **Overflow**  
Message occurs, when weight on platter is greater than capacity + 9d on the scale.
- **Memory Low**  
Message occurs, when available data memory is less than 25k byte.
- **Accepted**  
Message occurs while setting user password, when new password set matches with Retype password.
- **Cleared**  
Message occurs when user password is cleared.
- **NO TAXES! ADD NEW**  
Message occurs when no Tax is programmed and '*Menu> Programming>Tax*' option is selected.
- **NO DISCOUNTS! ADD NEW**  
Message occurs when no discount is programmed and '*Menu> Programming> Discount*' option is selected.
- **Deleting PLUs**  
Message occurs while deleting all PLU records.
- **Not Present, Check Hardware Configuration**  
Message occurs if the device is not configured during Print or Diagnostic.
- **Zero Cal... Pass**  
Message occurs during scale calibration when Zero calibration is done successfully.
- **Span Cal... Pass**  
Message occurs during scale calibration when Span calibration is done successfully.
- **Save and Exit**  
Message occurs when PLU records are edited and without saving the changes Back soft key is pressed.

- Memory Error  
Message occurs during internal fatal error.
- Printed Successfully  
Message occurs when data is printed successfully.
- Printing Cancelled  
Message occurs when cancel soft key is pressed during printing.
- Print Error  
Message occurs when
  - There is some problem with the printer (like Printer not connected, Printer OFF, Centronics is not present in hardware configuration, No Response).
  - If the physical device to which Print Data is mapped to is not configured.
- Printer Busy  
Message occurs when printer buffer is full or printer is busy.
- C H E C K P A P E R  
Message occurs when paper is not there or if paper is not placed properly.
- Paused  
Message occurs when cancel soft key is pressed during printing.
- **Printing...**  
Message occurs while printing reports.
- Stock NOT there!  
If inventory is enabled and if available PLU stock is less than item wt/qty to be transacted.
- No Item!  
During transaction if item price is zero.
- Total Price > Rs. 99999.9  
During transaction if total price exceed 99999.9.
- Total less than zero  
If subtotal becomes less than zero.
- PLU ERR  
If entered PLU number is not programmed.
- QTY ERR  
If entered value for quantity is greater than 99.
- PRICE ERR  
If entered value for price is greater than 999.99
- OP ERR  
If entered operator number is not programmed.
- STDISCNT ERR  
If entered discount value is greater than 100.
- CASH ERR  
If entered cash is greater than 999999999.
- IDISCNT ERR  
If entered discount value is greater than 100.

- Total Price <= Zero  
If item discount greater than 100 % of item price.
- Please Place another Item!  
If previously transacted item is still present on the platter.
- Login Operator  
If no operator is present.
- Unclosed Bills Exists  
If operator is trying to log out without closing current or suspended bills.