

**SHARP** **PROGRAMMING MANUAL**

CODE: 00ZXE155APME

**ELECTRONIC  
CASH REGISTER****MODEL XE-A155****SRV KEY : LKGIM7113RCZZ  
(For "A" version)****CONTENTS**

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## 1. MASTER RESET

The master reset method are as follows.

Master reset A: Clears all the memories and initializes each preset parameter.

Master reset B: Clears the memories partially.

(The preset parameters are retained.)

(Daily sales total, sales total for a specific period, GT, Z counter and consecutive number are cleared.)

Master reset should be performed by using the following procedure.

(This operation is possible both with and without the memory protection battery attached.)

1. Turn off the power (Power OFF). (See Note 1.)
2. Turn the mode switch to either the SRV or PGM position.
3. With the journal feed key and a numerical key (n) pressed down, turn on the power (Power ON). (See Note 2.)

(The keys must be kept pressed until 0s are displayed on the displays.)

The master reset operation varies depending on which key (n) is pressed.

When the "9" is pressed : The master reset A is activated and the machine is set as a SEC model.

When the "5" is pressed : The master reset B is activated.

The master reset A can also be accomplished in the following manner. (See Note 3.)

With the memory protection battery detached and no key kept pressed, turn on the power. At this time, the mode switch may stay in any position.

However, when done in the OFF mode, the master reset A is not activated immediately.

It is activated when the mode switch is shifted to any other position. This procedure automatically selects the destination.

When the master reset A or B operation is done with the memory protection battery detached, the buzzer sounds intermittently three times.

Note, however, that when the power is turned on and the operation is started with the mode switch in the OFF position, the number of times the buzzer sounds may vary or the buzzer may not sound at all depending on the timing of the shifting of the mode switch to other positions than the OFF position.

## 2. PROGRAM RESET

[Program reset] (initial) (Only when the memory protection battery is attached.)

This operation is for initializing the program with the memory retained.

Procedure: Shift the mode switch to the SRV position and turn on the power, or with the mode switch set to the PGM position and the journal feed key pressed down, turn on the power.

Note 1) Power OFF: Means stopping the AC power supply to the machine.  
(Specifically, unplugging the machine.)

Note 2) Power ON: Means supplying the AC power to the machine.  
(Specifically, plugging in the machine.)

Note 3) In case power failure occurs when the machine has no battery attached to it, the master reset A operation is automatically performed after the power has been restored.  
(This is because if power failure occurs with no battery attached to the machine, all the memories are lost and the machine does not work properly after power recovery; this requires the master reset A operation.)

## 3. PROGRAMMINGS

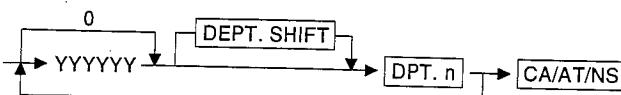
Job #	Programming item
1	Machine No.
2	Consecutive No.
3	Date
4	Time
5	Function select
6	Print format
8	Tax table programming
9	% Tax programming
11	Programming of minus DEPT/PLU Fractional treatment 00 key selection & TAB (decimal) position
12	Drawer closing at the operation. Error beep/key catch sound VOID MODE Entry that causes the sub-total to be smaller than "0". Non add code Time format/date format
13	Printing when the mdse ST key is pressed. Printing the currency conversion in PGM report and X/Z report. Programming of JOB#11-21 on PGM mode Stamp Direct non-tender finalization after tendering Z1, Z2 counter print on X/Z report Reset GT after Z1 report is printed. GT print on Z report Zero skipping hourly and dept. & transaction and PLU in X/Z report.
15	Tax printing
17	GT sign programming
18, 19	GT programming
20, 21	Reset report counter programming

NOTE: 1) For JOB #13A PROGRAMMING OF JOB #11-21 ON PGM MODE," when the setting is once changed, it cannot be changed until the master resetting is executed.

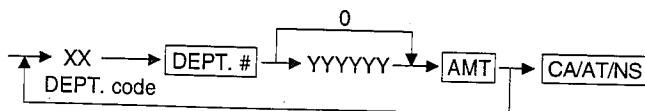
2) JOB #11-21 corresponds to the conventional SRV mode. JOB #11-21 setting enable/disable is determined in the PGM mode by the programming of JOB #13A PROGRAMMING OF JOB #11-21 ON PGM MODE.

Price programming for dept. key

- Method-1



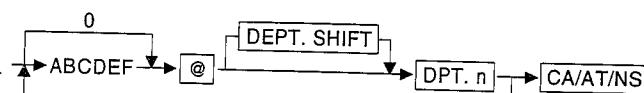
- Method-2



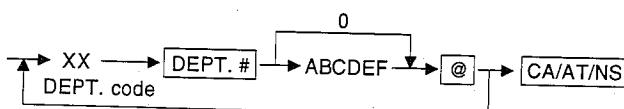
XX: DEPT. code = 01 ~ 38  
 YYYYYY: Unit price (Max. 6 digits)  
 MRS = 0.00

Dept. function programming

- Method-1



- Method-2



XX: DEPT. code = 01 ~ 38  
 A:

Sign	A
+	0
-	1

B: Not used (Fixed at "0")

C:

Taxable 2	B
No	0
Yes	1

D:

Taxable 1	D
No	0
Yes	1

E:

SICS/Normal	E
Normal	0
SICS	1

\* SICS = Single item cash sale

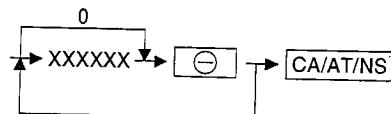
F:

Limitation	F
Limitation	0 ~ 7

\* Limitation = 0 ~ 7 (HALO) 0 = Open price registration inhibit.

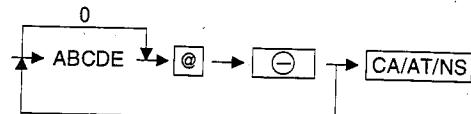
MRS = DEPT. 1 ~ 5; + / Taxable 1 / Normal / 7 digits  
 DEPT. 6 ~ 10; + / Non taxable 1 / Normal / 7 digits  
 DEPT. 11 ~ 15; + / Taxable 1 / Normal / 7 digits  
 DEPT. 16 ~ 38; + / Non taxable / Normal / 7 digits

\* MAX. dept. = 38

Price & modify programming for \$ key

XXXXXX : Unit price (Max 6 digits)

MRS = 0.00

\$ function programming

A: Not used (Fixed at "0")

B:

Taxable 2	B
No	0
Yes	1

C:

Taxable 1	C
No	0
Yes	1

D: Not used (Fixed at "0")

E:

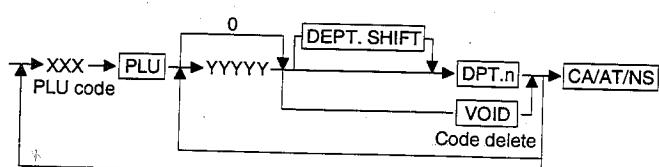
Limitation	E
Limitation	0-7

Limitation : 0-7 (HALO) 0: Open price registration inhibit.

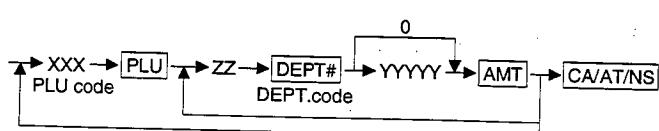
MRS = Non taxable/7 digits

Programming of departments to be associated with PLUs & price reset

- Method-1



- Method-2

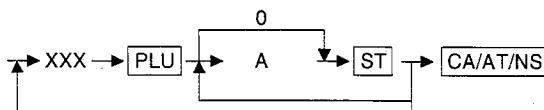


XXX : PLU code = 001 ~ 999

YYYYYY : Unit price (6 digits)

ZZ : DEPT. code = 01 ~ 38

MRS = 9999.99

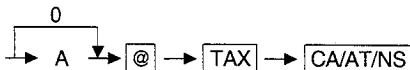
Programming of PLU type

XXX : PLU code = 001 ~ 999

A:

PLU/SUB dept.	A
SUB dept.	0
PLU	1

MRS = SUB dept.

Limitation programming for manual tax

A:

Limitation	0 ~ 7
------------	-------

MRS = 7 digits

Programming rate for %key

XXX : 0.00% ~ 99.99%

MRS = 0.00%

Programming for %key

A:

Sign	A
+	0
-	1

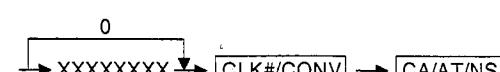
C:

Taxable 2	c
No	0
Yes	1

D:

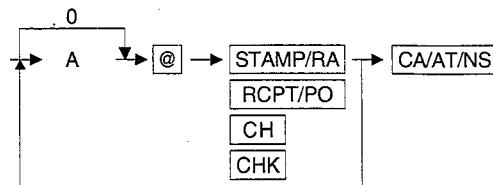
Taxable 1	D
No	0
Yes	1

MRS = -/Non taxable

Programming for conversion key.

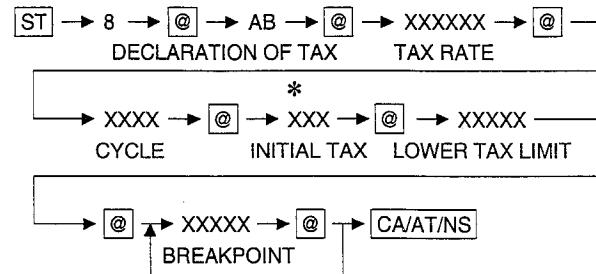
XXXXXXXXX : 0.0000 ~ 9999.9999

MRS = 0.00

Programming for media keys & function keys.

A : Limitation 0 ~ 8

MRS = 8 digits.

Tax table programming

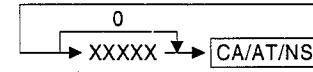
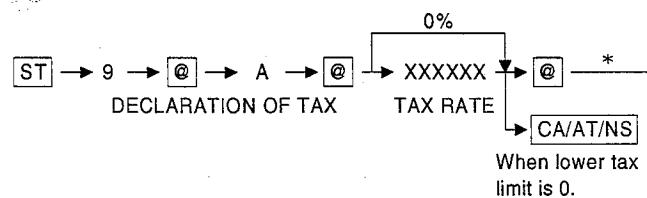
64 Breakpoints can be programmed for each taxtable.

(If the interval between breakpoints is 1 dollar or more, 32 breakpoints are programmed for each table.)

\* Depression of the SBTL key at the following points means a tax table delete operation.

A: Interval between breakpoints is 1 dollar or more = 1  
Interval between breakpoints is below 1 dollar = 0B: Table 1 programming = 1  
Table 2 programming = 2

MRS = No tax

% tax programming

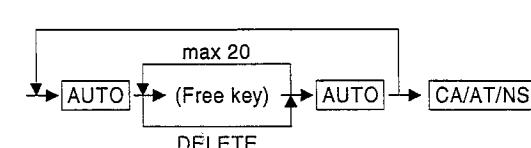
\* Depression of the SBTL key at the following points means a tax table delete operation.

A: Tax 1 programming = 1  
Tax 2 programming = 2

% tax rate 0.0000 to 99.9999%

Lower tax limitation max. 999.99

MRS = 0

Auto key setting



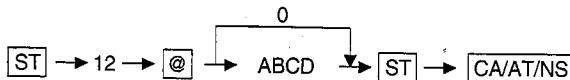
## D: 00 Key selection &amp; TAB (decimal) position

00 key Position	TAB	D
00 key	0	0
	0.0	1
	0.00	2
	0.000	3
000 key	0	4
	0.0	5
	0.00	6
	0.000	7

★

MRS = 4002

## Others 2 programming



A:

Drawer closing at the operation	Error beep	Key catch sound	A
Not compulsory	Misope, error	No	0
		Yes	1
	All lock error	No	2
		Yes	3
Compulsory	Misope, error	No	4
		Yes	5
	All lock error	No	6
		Yes	7

★

B:

Void mode	Void mode total print on Z2 report	Void mode total print on Z1 report	B
Not exists	No print	No print	0
		Print	1
	Print	No print	2
		Print	3
Exists	No print	No print	4
		Print	5
	Print	No print	6
		Print	7

★

C:

Entry that causes the sub-total to be smaller than "0".	No sale after the entry of non add code	Non add code entry.	C
Disable	Disable	Not exists	0
		Exists	1
	Enable	Not exists	2
		Exists	3
Enable	Disable	Not exists	4
		Exists	5
	Enable	Not exists	6
		Exists	7

★

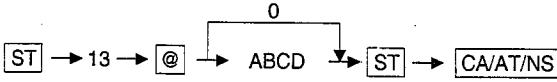
D:

Time print/display format	Date format	D
12-Hour system	Day/Month/Year	0
	Month/Day/Year	1
	Year/Month/Day	2
24-Hour system	Day/Month/Year	4
	Month/Day/Year	5
	Year/Month/Day	6

★

MRS = 3771

## Others 3 programming



A:

Printing when the mdse ST key is pressed.	Printing the currency conversion in PGM report and X/Z report.	Programming of job#11-21 on PGM mode	A
Not print	Not print	Disable	0
		Enable	1
	Print	Disable	2
		Enable	3
Print	Not print	Disable	4
		Enable	5
	Print	Disable	6
		Enable	7

★

NOTE: "When the setting of "PROGRAMMING OF JOB #11-21 ON PGM MODE" is once changed, it cannot be changed again until the master resetting is executed.

B:

Stamp	B
No	0
Yes	4

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C:

Direct non-tender finalization after tendering	Z1, Z2 counter print on X/Z report	C
Disable	Not print	0
	Print	1
Enable	Not print	4
	Print	5

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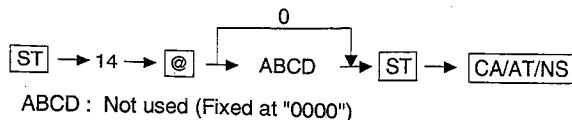
D:

Reset GT after Z1 report is printed	GT print on Z report	Zero skipping hourly and dept. & transaction and PLU in X/Z report	D
No	Not print	Disable	0
		Enable	1
	Print	Disable	2
		Enable	3
Yes	Not print	Disable	4
		Enable	5
	Print	Disable	6
		Enable	7

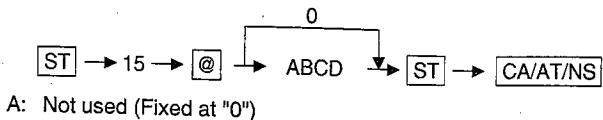
★

MRS = 1453

NOTE: ★ – Default settings

Others 4 programming (Not used)

MRS = 0000

Others 5 programming

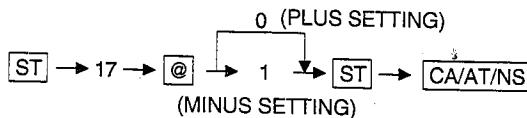
B:

Tax printing when taxable subtotal is zero	Tax printing when tax is zero	B
No	Yes	0
	No	1
Yes	Yes	4
	No	5

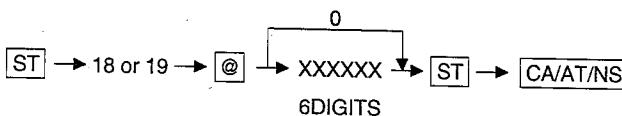
★

CD: Not used (Fixed at "00")

MRS = 0100

GT sign programming

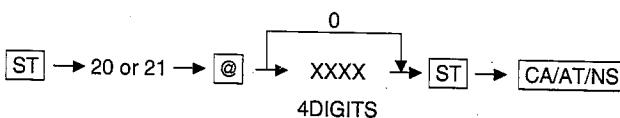
MRS = 0

GT programming

18 : GT (Lower 6 digits)

19 : GT (Upper 6 digits)

MRS = 000000

Reset report counter programming

20 : Z1 report counter

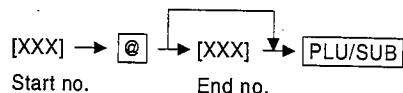
21 : Z2 report counter

MRS = 0000

## 4. PRINTING OF PROGRAM REPORTS

Key entry	Report name
CA/AT/NS	Programmed data1 report
1 CA/AT/NS	Programmed AUTO report
2 CA/AT/NS	Programmed data2 report
PLU *1	PLU data report

\* 1 PLU code range can be specified by entering the start and end numbers according to the following procedure.  
When specifying a single time interval, PLU code, the start number has only to be entered.

PGM programming report

123456789101112

10-07.94

01 06  
001  
10.75  
02 04  
010  
- 3.00  
.

10 06  
010  
16.80  
06  
010  
- 1.25

010  
- 10.00%  
#00000000  
# 0000000

5 TX  
7 CK  
4 CH  
7 RA  
7 PO  
123.4500 X

6.0000%TX1  
1.00  
001 0.11  
002 0.23  
003 0.39  
004 0.57  
005 0.73  
006 0.89  
007 1.11

4.0000%TX2  
1.00  
128#1969  
11-45 ★1

SICS/NORMAL LIMIT OF ENTRY DIGITS  
TAX STATUS  
+/- SIGN. UNIT PRICE

LIMIT OF ENTRY DIGITS FOR (-)  
TAX STATUS FOR (-)  
UNIT PRICE FOR (-)

TAX STATUS FOR %  
+/- SIGN.%RATE  
FUNCTION SELECT  
PRINT FORMAT

LIMIT OF ENTRY DIGITS FOR MANUAL TAX  
LIMIT OF ENTRY DIGITS FOR CHECK  
LIMIT OF ENTRY DIGITS FOR CHARGE  
LIMIT OF ENTRY DIGITS FOR RA  
LIMIT OF ENTRY DIGITS FOR PO  
CONVERSION RATE

TAX TABLE  
CYCLE  
INITIAL TAX LOWER TAX LIMIT  
TAX CANCELATION

VDTX1

%TAX.  
LOWER TAX LIMIT

## PGM programming data 2 report

123456789101112

10-06.94

 11 4002  
 12 3771  
 13 0053  
 14 0000  
 15 0100  
 0012# 1  
 0012# 2  
 ★123456  
 1234.56 GT

## PROGRAMMING CONTENTS

 Z1 COUNTER  
 Z2 COUNTER  
 GRAND TOTAL

## PGM programming report. (PLU)

123456789101112

10-07.94

 001#01 0  
 9999.99  
 002#2

 PLU NO., DEPT NO., PLU/SUB (1/0)  
 +/- SIGN. UNIT PRICE

 099#02 1  
 5.00

 100#02 1  
 4.200

 128#1971  
 11-59 ★1

## PGM programming report. (AUTO)

123456789101112

10-06.94

 01 01  
 02 00  
 03 00  
 04 16  
 05 15

 128#1971  
 11-59 ★1

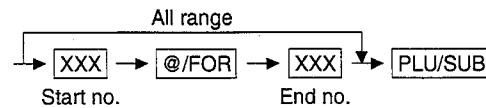
## No./STORED KEY

## 5. OP X/Z, X1/Z1, X2/Z2 REPORTS

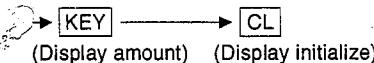
In the table below those reports marked with a circle "0" can be printed.

REPORT NAME	KEY ENTRY	MODE								
		OP X/Z	X	Z	X1	Z1	X2	Z2	F-read	DATA FOR READING
GENERAL	CA/AT /NS				0	0	0	0		
DEPT	DEPT DEPT#							0		*2
PLU BY RANGE	PLU /SUB				0	0			PLU CODE	*1
INDIVIDUAL CLERK	CLK#	0	0						CASHIER CODE	*4
ALL CLERK	CLK#				0	0				
HOURLY (ALL)	#/TM SBTL				0	0				
SALES TOTAL	#/TM SBTL							0		*2
CID	CA/AT /NS							0		*2
MOTHLY SALES TOTAL	CA/AT /NS					0	0			

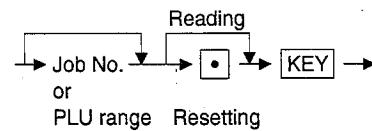
\* 1 PLU code range can be specified by entering the start and end numbers according to the following procedure.  
 When specifying a single time interval, or PLU code, the start number only is entered.



\* 2 Reading display only



\* 3 To read respective reports, it is necessary to follow the procedure below.



\* 4 Cashier code must be entered according to the following procedure.



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