

SHARP PROGRAMMING MANUAL

CODE: 00ZXEA155APME



ELECTRONIC CASH REGISTER

MODEL **XE-A155**

SRV KEY : LKGIM7113RCZZ
(For "A" version)

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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 Note3.)

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.)

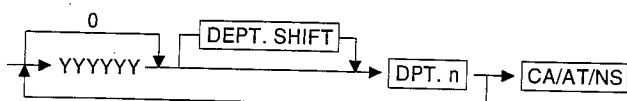
3. PROGRAMMINGS

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

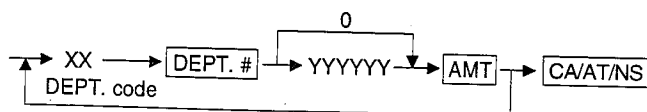
- NOTE: 1) For JOB #13A PROGRAMMING OF JOB #11-21 ON PGM MODE," when the setting is once changed, it cannot be changed until the master resetting is executed.
- 2) JOB #11-21 corresponds to the conventional SRV mode. JOB #11-21 setting enable/disable is determined in the PGM mode by the programming of JOB #13A PROGRAMMING OF JOB #11-21 ON PGM MODE.

Price programming for dept. key

• Method-1



• Method-2



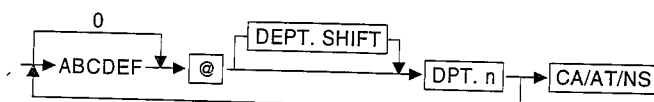
XX: DEPT. code = 01 ~ 38

YYYYYY: Unit price (Max. 6 digits)

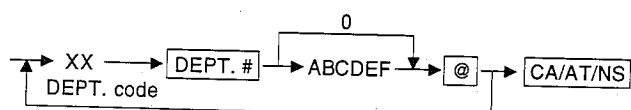
MRS = 0.00

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

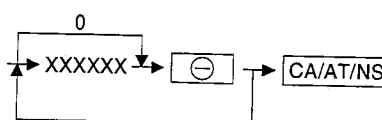
F:

Limitation	F
Limitation	0 ~ 7

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

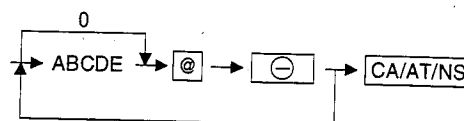
MRS = DEPT. 1 ~ 5; + / Taxable 1 / Normal / 7 digits
 DEPT. 6 ~ 10; + / Non taxable 1 / Normal / 7 digits
 DEPT. 11 ~ 15; + / Taxable 1 / Normal / 7 digits
 DEPT. 16 ~ 38; + / Non taxable / Normal / 7 digits

* 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:

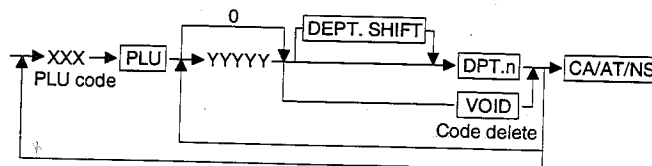
Limitation	E
Limitation	0-7

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

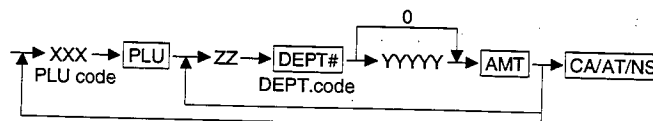
MRS = Non taxable/7 digits

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

<Auto key function>

This machine has an [AUTO] key that can be programmed for key-sequence data.

When [AUTO]-key is depressed, the machine works the same as the programmed key-sequence.

<Example>

→ [AUTO] → PLU1 → 100 → DEPT2 → AUTO → [CA/AT/NS]

(REG)

Key entry	R/J	Display	Comment
[AUTO]	PLU0001 \$1.10	001 1.10 same as 1 same as 10 same as 100 same as	PLU1 entry 1 entry 0 entry 0 entry
	DEPT.02 \$1.00	02 1.00 same as	DEPT2 entry

Machine number setting

0
[ST] → 1 → [0] → XXX → [ST] → [CA/AT/NS]

XXX : Machine number (max. 3 digits)

MRS = 000

Consecutive number setting

0
[ST] → 2 → [0] → XXXX → [ST] → [CA/AT/NS]

XXXX : Consecutive no. (max. 4 digits)

MRS = 0000

Date setting

0
[ST] → 3 → [0] → XXYYZZ → [ST] → [CA/AT/NS]

XXYYZZ : Date (Year-month-day/day-month-year/month-day-year)
the date format depends on job No.12.

MRS = 010100 (month-day-year)

Time setting

0
[ST] → 4 → [0] → XXYY → [ST] → [CA/AT/NS]

XX : Hour (00 to 11 or 00 to 23)

YY : Minute (00 to 59)

The hour format depends on job No. 12.

MRS = 0000

Function select setting

0
[ST] → 5 → [0] → ABCDEFGH → [ST] → [CA/AT/NS]

MRS = 00000000

Item	Function	Selection	Entry
A	PO	Enable	0
		Disable	1
B	RA	Enable	0
		Disable	1
C	Refund	Enable	0
		Disable	1
D	Indirect void	Enable	0
		Disable	1
E	Not used (Fixed at "0")		0
F	Tax delete	Enable	0
		Disable	1
G	Manual tax	Enable	0
		Disable	1
H	Decimal digit entry	Enable	0
		Disable	1

Above parameter A-G are only valid for REG mode.

Print format setting

0
[ST] → 6 → [0] → ABCDEF → [ST] → [CA/AT/NS]

Item	Print format	Selection	Entry
A	Print format	Journal	0
		Receipt	1
B	Contents of receipt	Total	0
		Detail	1
C	Time print	Print	0
		Not print	1
D	Date print (All receipt)	Print	0
		Not print	1
E	Consecutive No. print	Print	0
		Not print	1
F	Feed line at receipt issueing	Feed	0
		No feed	1
G	Endorsement	Enable	0
		Disable	1

MRS = 1100001

Others 1 programming

0
[ST] → 11 → [0] → ABCD → [ST] → [CA/AT/NS]

A: Programming of minus DEPT/PLU and number of dept

Programming of minus DEPT/PLU	A
Disable	0
Enable	4

B: Fractional treatment

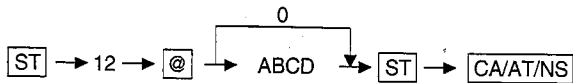
Fractional treatment	B
Round off	0
Raising to unit	1
Disregarding	2

C: Not used (Fixed at "0")

D: 00 Key selection & 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	Missope, error	No	0
		Yes	1
	All lock error	No	2
		Yes	3
Compulsory	Missope, 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

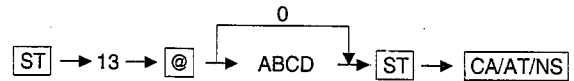
C:

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

C:

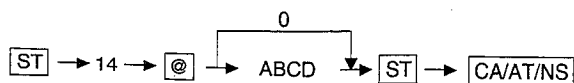
Direct non-tender finalization after tendering	Z1, Z2 counter print on X/Z report	C
Disable	Not print	0
	Print	1
Enable	Not print	4
	Print	5

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

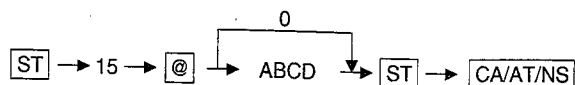
MRS = 1453

NOTE: ★ - Default settings

Others 4 programming (Not used)

ABCD : Not used (Fixed at "0000")

MRS = 0000

Others 5 programming

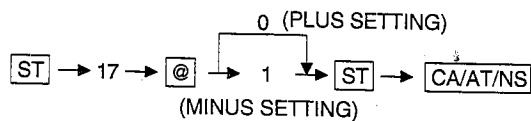
A: Not used (Fixed at "0")

B:

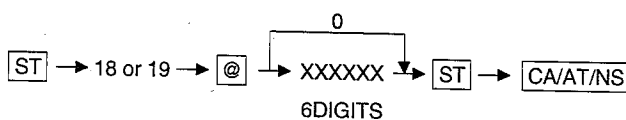
Tax printing when taxable subtotal is zero	Tax printing when tax is zero	B
No	Yes	0
No	No	1
Yes	Yes	4
Yes	No	5

CD: Not used (Fixed at "00")

MRS = 0100

GT sign programming

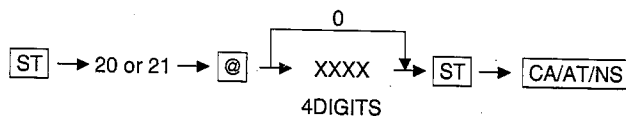
MRS = 0

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

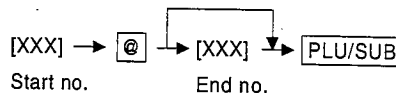
MRS = 0000

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 SICS/NORMAL. LIMIT OF ENTRY DIGITS
001 TAX STATUS
10.75 +/- SIGN. UNIT PRICE
02 04
010
- 3.00
.
.
10 06
010
16.80
06
010
- 1.25-
010
- 10.00%
#00000000 TAX STATUS FOR %
# 00000000 +/- SIGN.%RATE
5 TX FUNCTION SELECT
7 CK PRINT FORMAT
4 CH LIMIT OF ENTRY DIGITS FOR MANUAL TAX
7RA LIMIT OF ENTRY DIGITS FOR CHECK
7PO LIMIT OF ENTRY DIGITS FOR CHARGE
123.4500 X LIMIT OF ENTRY DIGITS FOR RA
CONVERSION RATE
6.0000%TX1 TAX TABLE
1.00 CYCLE
001 0.11 INITIAL TAX.LOWER TAX LIMIT
002 0.23 TAX CANCELATION
003 0.39
004 0.57
005 0.73
006 0.89
007 1.11
4.0000%TX2 %TAX.
1.00 LOWER TAX LIMIT
128#1969
11-45 *1
  
```

← 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 I

%TAX.
LOWER TAX LIMIT

PGM programming data 2 report

123456789101112

10-06.94

11 4002
12 3771
13 0053
14 0000
15 0100

PROGRAMMING CONTENTS

0012No 1

0012No 2

★123456

1234.56 GT

Z1 COUNTER
Z2 COUNTER
← GRAND TOTAL

128#1971
11-59 ★1

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

No./STORED KEY

128#1971
11-59 ★1

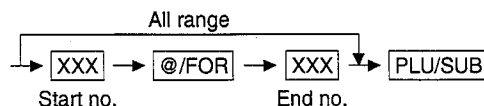
5. OP X/Z, X1/Z1, X2/Z2 REPORTS

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

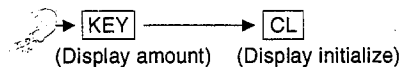
REPORT NAME	KEY ENTRY	MODE							DATA FOR READING	
		OP X/Z		X1/Z1		X2/Z2		F-read		
		X	Z *3	X1	Z1 *3	X2	Z2 *3	X1		
GENERAL	CA/AT /NS			0	0	0	0			
DEPT	DEPT DEPT#							0		*2
PLU BY RANGE	PLU /SUB			0	0				PLU CODE	*1
INDIVIDUAL CLERK	CLK#	0	0						CASHIER CODE	*4
ALL CLERK	CLK#			0	0					
HOURLY (ALL)	#/TM SBT			0	0					
SALES TOTAL	#/TM SBT							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.

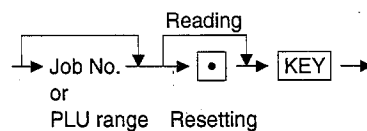
When specifying a single time interval, or PLU code, the start number only is entered.



* 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.



SHARP

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SHARP CORPORATION
Information Systems Group
Quality & Reliability Control Center
Yamatokoriyama, Nara 639-11, Japan

1996 December Printed in Japan ©