SHARP PROGRAMMING MANUAL

ELECTRONIC CASH REGISTER

XE-A110

MODEL XE-A130

**SRV KEY : Not necessary
(For "V" version)**

CONTENTS

SHARP CORPORATION

1. MASTER RESET

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

Master reset should be performed by using the following procedure.

1. Turn off the power (Power OFF). (See Note 1.)
2. Disconnect the ECR memory buck up battery.
3. Turn the mode switch any position of Power-off.
4. Turn on the power (Power ON). (See Note 2.)

When the master reset is completed, the buzzer sounds intermittently three times.

5. Attach the memory buck up battery to the ECR.

The master reset can also be accomplished in the following case. (See Note3.)

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 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 memory is lost and the machine does not work properly after power recovery; this requires the master reset operation.)

2. PROGRAMMINGS

- Mode

Programming jobs can be executed at Z-mode.
Programming report can be printed at Z-mode.

- Programming

The programming key operation sequence differs from one function to another and is therefore described for each programming operation.
Programming result is not printed at the end of each programming job.
When the first programming job is executed, the ECR displays "P".
And when the SUBTOTAL key is pressed after some programming jobs are done, programming report is issued and the displayed "P" disappears.
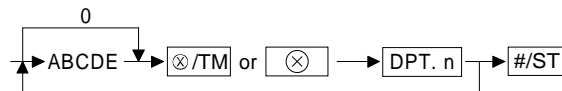
Price programming for dept. key
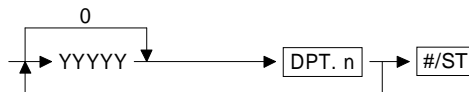
YYYYY: Unit price (Max. 5 digits)
MRS = 0.00

Dept. function programming

A:

Sign	A
+	0
−	1

B:

SICS/Normal	B
Normal	0
SICS	1

* SICS = Single item cash sale

C:

Taxable 2	B
No	0
Yes	1

D:

Taxable 1	D
No	0
Yes	1

E:

Limitation	E
Limitation	0 ~ 7

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

MRS = XE-A110
DEPT. 1 ~ 4:   +Sign/Normal/Taxable 1/7 Digits = 00017

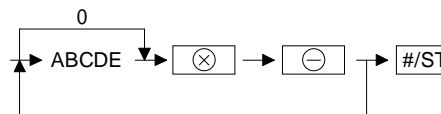| MRS = XE-A130 |
|---------------|
| DEPT. 1 ~ 5:   +Sign/Normal/Taxable 1/7 Digits = 00017 |

Price & modify programming for $ key (Only XE-A130)
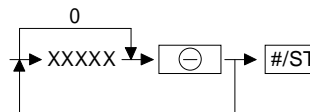
XXXXX : Unit price (Max 5 digits)

MRS = 0.00

$ function programming (Only XE-A130)

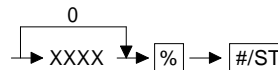A, B, C, D: Not used (Fixed at "0000")

E:

Limitation	E
Limitation	0 ~ 7

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

MRS = 7 digits

Programming rate for %key

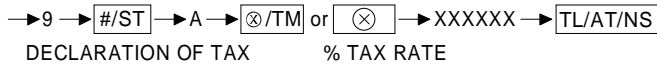

XXXX : 0.01% ~ 99.99%
MRS = 0.00%

Programming for %key

$$0$$
$$\rightarrow A \rightarrow \boxed{\otimes/TM} \text{ or } \boxed{\otimes} \rightarrow \boxed{\%} \rightarrow \boxed{\#/ST}$$
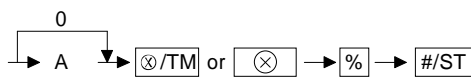
A:

Sign	A
+	0
—	1

MRS = −Sign

VAT rate & Lower TAX limitation programming

$$\rightarrow 9 \rightarrow \boxed{\#/ST} \rightarrow A \rightarrow \boxed{\otimes/TM} \text{ or } \boxed{\otimes} \rightarrow XXXXXX \rightarrow \boxed{TL/AT/NS}$$
DECLARATION OF TAX   % TAX RATE

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

% tax rate: 0.0000% to 99.9999%
Lower tax limitation: 0 to 99999

MRS = 0.0000%, 0

Consecutive number setting

$$\rightarrow XXXX \rightarrow \boxed{\otimes/TM} \text{ or } \boxed{\otimes} \rightarrow \boxed{\#/ST}$$

XXXX : Consecutive no. = 0000 to 9999 (4 digits)
MRS = 0000

Date setting
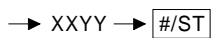
$$\rightarrow XXYYZZ \rightarrow \boxed{\#/ST}$$

XXYYZZ : Date   (Year-month-day/Day-month-year/Month-day-year)
          the date format depends on job No.1.
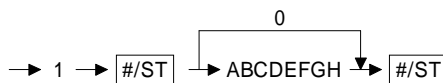MRS = 010100 (month-day-year)

Time setting

$$\rightarrow XXYY \rightarrow \boxed{\#/ST}$$

XX : Hour (00 to 11 or 00 to 23)
YY : Minute (00 to 59)

The hour format depends on job No. 1.

MRS = 0000

Others programming

$$0$$
$$\rightarrow 1 \rightarrow \boxed{\#/ST} \rightarrow ABCDEFGH \rightarrow \boxed{\#/ST}$$

A:

Date format	A
Month/Day/Year	0
Day/Month/Year	1
Year/Month/Day	2

B:

Time format	B
12H	0
24H	1

C:

TAB	C
0	0
0.0	1
0.00	2
0.000	3

D:

Receipt No. reset at Z report issue	D
No	0
Yes	1

E:

Amount tender compulsory	E
No	0
Yes	1

F:

Sub total compulsory	F
No	0
Yes	1

G:

Limitation (HALO) of Miscellaneous key	G
0 ~ 8 digit	0 ~ 8

H:

Fractional treatment	H
Rounding	0
Raising	1
Discarding	2

MRS = 11200080

Print format programming

→ 2 → #/ST → ABCDEFG → #/ST

(with "0" above ABCDEFG)

A:

TAX system	A
Manual VAT	0
Auto VAT	1

B:

Print in REG mode	B
Print	0
Not print	1

C:

Print format	C
Journal	0
Receipt	1

D:

Date print	D
Print	0
Not print	1

E:

Time print	E
Print	0
Not print	1

F:

Consecutive No. print	F
Print	0
Not print	1

G:

Taxable subtotal	G
Print	0
Not print	1

H:

Merchandise subtotal by "#/ST" key	H
Print	0
Not print	1

MRS = 00000001

Secret code programming

→ XXXX → ⊗/TM or ⊗ → TL/AT/NS
   SECRET CODE
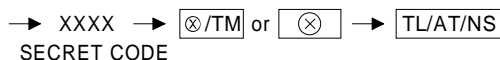
MRS = 0000

3. PRINTING OF PROGRAM REPORTS

Key entry	Report name
#/ST	General programmed data report

1 **XE-A110**

123456789⑩⑪⑫⑬

```
   1006 1
  10.75
   0104 2
  −3.00
   1107 3
  13.00
   0006 4
−123.56
 −10.00  %

  #9999

00000000#1
00000000#2

 6.0000 1⊠
 4.0000 2⊠

 12−31−95
0001#23−59
```

SICS/NORMAL, TAX STATUS, HALO, DEPT. CODE
+/−SIGN. UNIT PRICE

+/− SIGN, RATE for %

SECRET CODE

OTHERS PROGRAMMING
PRINT PROGRAMMING

RATE for TAX1

2 **XE-A130**

43210987654321

```
      1007
   1#10.75
      0104
   2#−3.00
      .
      .
      1106
   5#−123.56
         7
    −1.25 −

   −10.00%

    #9999

00000000*1
00000000*2

 6.0000⊠1
 4.0000⊠2

 31−12−95
0001#23−59
```

SICS/NORMAL, TAX STATUS, HALO
+/−SIGN. UNIT PRICE

HALO for (−)
UNIT PRICE for (−)

+ /− SIGN, RATE for %

SECRET CODE

OTHERS SELECT
PRINT SELECT

RATE for TAX1

– 3 –

4. X/FLASH, Z/PGM REPORTS

X/Z reports: These reports are taken by the supervisor or manager in order to check and report daily sales totals at that point.

Flash-read reports: These reports are taken by the owner or manager in order to check and display daily sales totals at that point.

In the table below those reports marked with a circle "F " can be printed by the standard machine and those marked with an asterisk "* " can be printed when the corresponding option is added.

REPORT NAME	KEY ENTRY	MODE		DATA FOR READING	REMARKS
		X/FLASH	Z/PGM		
GENERAL	TL/AT/NS	F	F	Secret Code	*2
GENERAL with GT RESET	CH		F	Secret Code	*2
DEPT	DEPTn	F			*1
SALES TOTAL	#/ST	F			*1
CID	CR	F			*1

* 1 Reading display only

* 2 Only Z-report needs the secret code.

KEY SEQUENCE

→ XXXX → | TL/AT/NS | →
SECRET CODE

or

→ XXXX → | CH | →
SECRET CODE

When the secret code is "0000", the entry of secret code is not necessary.