Maintenance

Batteries

This cash register provides a low battery symbol (\underline{L}) and a no battery symbol (\underline{L}) which appears on the far left of the display in one of the following

Low battery symbol (!)

· When the voltage of the batteries installed in the cash register is under the required level.

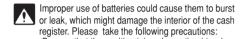
No battery symbol $(\underline{\,\iota})$

- When three batteries are not installed in the cash
- · When the batteries installed in the cash register

When either of these symbols appear, check batteries. If no batteries are installed, install three new "AA" batteries at once. If batteries are already installed, replace them with new ones as soon as possible. If the AC power cord is disconnected or a power failure occurs when the batteries are dead or not installed, all the programmed settings will be reset to the default settings and any data stored in memory will be cleared.



If the low battery symbol appears while making a transaction, complete the transaction before replacing the batteries.



Be sure that the positive (+) and negative (-) poles of each battery are oriented properly.

Never mix batteries of different types. Never mix old batteries and new ones. Never leave dead batteries in the battery

compartment. Remove the batteries if you plan not to use the cash register for long periods.
•Should a battery leak, clean out the battery

compartment immediately, taking care not to let the battery fluid come into direct contact with your skin •If an incorrect battery is used, it may explode or

•For battery disposal, follow the relevant law or regulation in your country.

Replacement

- 1. Be sure the cash register is plugged in. 2. Turn the mode switch to the REG position

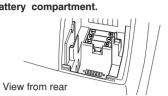
3. Pull the printer cover upward and detach it.



4. Open the battery cover and remove the old



5. Install three new "AA" batteries into the battery compartment.



- 6. Check that the "L" symbol has disappeared.
- 7. Close the battery cover. 8. Replace the printer cover

nproper use of batteries could cause them to burst or leak, which might damage the interior of the machine. See the cautions in the "Getting Started" section.

Paper Roll

When colored dye appears on the edges of the paper roll, it is time to replace the roll. Use paper of 2 1/4" (57 mm) in width. To prevent jamming be sure to use paper specified by SHARP.

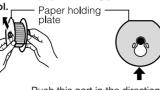
Replacement (Journal printing)

- 1. Turn the mode switch to the REG position. 2. Open the printer cover
- 3. Press ↑ to advance the paper by several lines and then cut the paper to remove the take-up spool from the bearing.



4. After cutting the existing paper, remove the paper roll. Then remove the remaining paper by pressing |↑|

5. Remove the paper holding plate from the



Push this part in the direction of the arrow to remove paper holding plate.

6. Remove the used journal paper roll (if used) from the take-up spool.



7. Install a new paper roll, the paper holding plate and the take-up spool according to the instructions in "Getting Started."

n the case of receipt printing, steps 3, 5 and should be omitted and the paper holding plate and the take-up spool need not be installed in step 7.

Replacing the Ink Roller

- 1. Open the printer cover.
- 2. Remove the ink roller by pulling it upward.



3. Install a new ink roller



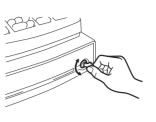
4. Close the printer cover.

Drawer Handling

Locking the Drawer

Develop the habit of locking the drawer when not using the register for any extended period of time.

Insert the key into the drawer lock and To lock: turn it 90 degrees counter-clockwise. To unlock: Insert the key into the drawer lock and turn it 90 degrees clockwise.



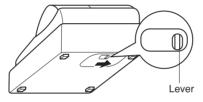
Removing the Drawer To remove the drawer, pull it out and lift it up.



- To prevent burglary, it is a good idea to empty the drawer after work and leave it
- open at the end of the day. · Coin case is detachable. Also the separators of the coin case are

Manually Opening the Drawer

In case of a power failure or if the machine is out of order, locate the lever at the bottom of the machine and move it in the direction of the arrow to open the drawer. The drawer will not open if it is locked with the drawer lock key.



WARNING

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION

The socket-outlet shall be installed near the equipment and shall be easily accessible

FOR YOUR RECORDS Please record below the model number and serial number, for easy reference, in case of loss or theft. These numbers are located on the right side of the unit. Space is provided for further pertinent data.

Serial Number Place of Purchase_

Handling Cautions

Install the cash register in a location not subject to direct sunlight, unusual temperature changes, high humidity, or splashing water.

Do not operate the cash register with wet hands. Water can cause internal component failure.

The cash register plugs into any standard wall outlet (120V AC ± 10%). Avoid connecting any other electrical devices on the same electrical circuit since such connection could cause the cash register to malfunction.

When cleaning the cash register, use a dry, soft cloth. Never use volatile liquids, such as benzine or thinner. Chemicals can discolor or damage the cabinet.

For protection against data loss, please install three new "AA" batteries before using the cash register. However, never forget you must initialize the cash register before installation of batteries; otherwise damage to memory contents or malfunctioning of the register will occur. You can start operating it only after initializing it and then installing batteries.

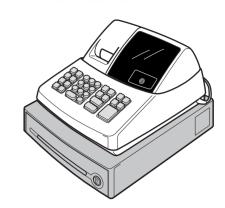
For complete electrical disconnection, pull out the main plug.

SHARP

SHARP ELECTRONIC CASH REGISTER

MODEL **XE-A106**

INSTRUCTION MANUAL



Printed in China O(TINSE2598RCZZ) (1

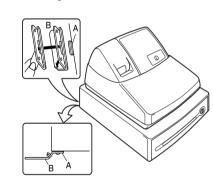
Thank you for purchasing the SHARP Electronic Cash Register Model XE-A106. Please read this manual carefully before operating your machine. Keep this manual for future reference. It will help you solve any operational problems that you may encounter.

> For assistance call 1-800-BE-SHARP

For Easy Set-up, See "Getting Started"

Installing the Mounting Bracket

A mounting bracket which prevents the register from moving accidentally is supplied with your XE-A106 register. Attach the bracket to a table where the register rests, as follows:



How to attach the mounting bracket

- 1. Thoroughly clean the table surface where you wish to place the bracket (B). 2. Peel off the release paper of the adhesive tape
- on the bracket. 3. Hook the bracket onto the hook (A) at the
- bottom of the back of the register. I. Hold down the bracket so that it firmly sticks to the table surface.

How to release the register from the mounting Lift up the front of the register and pull it towards

The display shows symbols that do not make

• Has the machine been initialized properly as

machine is turned on. The machine will not

• Is the power supplied to the electrical outlet?

(Plug another electrical device into the outlet for

The display will not illuminate while the

shown in "Getting Started"?

operate when any key is pressed.

Specifications

Model XE-A106

Inches: 13.0 (W) x 14.3 (D) x 9.21 (H) Millimeters: 330 (W) x 363 (D) x 234 (H) Weight:

Approx. 11.0 lbs. (5.0 kg) **Power Source:** 120V AC±10%, 60Hz **Power Consumption** Stand-by: 4 W, Operating: 12.5 W

Working Temperature: 32 to 104°F (0 to 40°C)

LED (Light-Emitting Diode) numeric display

1 station, print wheel selective type **Printing Capacity:** Max. 13 characters

Width: $2 \frac{1}{4} \pm \frac{1}{64}$ " (57.5mm ± 0.5 mm) Max. external diameter: 3-5/32" (80mm) Min. internal diameter: 15/32" (12mm) Cash Drawer:

4 slots for bills, 5 for coins Accessories (supplied) Paper roll: 1 roll

Mode key: 1 Instruction manual (English): 1 copy Quick Start Guide (English): 1 copy Quick Start Guide (Spanish): 1 copy

Ink roller: 1 (installed) Take-up spool: 1 Paper holding plate: 1

Mounting bracket: 1 Specifications and appearance are subject to change without notice for improvement.

Before Calling for Service

If you encounter any of the following problems. • Is the mode switch properly set to the REG please read below before calling for service.

- Is the take-up spool installed properly? Is there a paper jam?
- format programming? (If the receipt format is selected, the paper is not wound around the take-up spool.)
- confirmation.) Is the power cord firmly connected to the electrical outlet?
- The display is illuminated, but the machine will not accept key entries.
- Has the machine been initialized properly as shown in "Getting Started"?

Journal paper will not feed properly in the printer.

- · Is the journal format selected in the printing
- Printing is faded or illegible.
- Is the ink roller used up?

Has the ink roller been installed properly?

END-USER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first end-user purchaser (the "Purchaser") that this Sharp brand product (the "Product"), when new and shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the Purchaser for parts or labor for

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or

In order to enforce the rights under this limited warranty, the Purchaser should follow the steps set forth below and provide proof of purchase to the servicer

To the extent permitted by applicable state law, the warranties set forth herein are in lieu of, and exclusive of, all other warranties, express or implied. Specifically, ALL OTHER WARRANTIES OTHER THAN THOSE SET FORTH ABOVE ARE EXCLUDED. ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE, AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. If, under applicable warranties is limited to the period(s) from the date of purchase set forth be

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the Purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the Purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow limits on warranties or on remedies for breach in certain transactions; in such states, the limits herein may not apply.

Model Specific Section (Carry-in Service)

Your Product Model Number & Description: XE-A106 Cash Register

(Be sure to have this information available when you need service for your product.) One (1) Year Parts and 90 Days labor from date of purchase

Warranty Period for this Product: Additional Item(s) Excluded from Warranty Coverage (if any):

Where to Obtain Service:

Any consumable items such as paper supplied with the Product. From a Sharp Authorized Servicer located in the United States

Authorized Servicer. Be sure to have **Proof of Purchase**

available. If you ship the Product, be sure it is insured and

What to do to Obtain Service:

To find the location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1- 800-BE-SHARP. Ship prepaid or carry in your Product to a Sharp

TO OBTAIN PRODUCT INFORMATION, CALL 1-800-BE-SHARP OR VISIT www.sharpusa.com.

SHARP

SHARP ELECTRONICS CORPORATION Sharp Plaza, Mahwah, New Jersey 07495-1163 1-800-BE-SHARP http://www.sharpusa.com

packaged securely.

Getting Started

Initializing the Cash Register For your cash register to operate properly, you must initialize it before programming for the first time.

- Follow this procedure. 1. Remove the register from its packing carton.
- 2. Insert the supplied mode key into the mode switch and turn it to the REG position. 3. Insert the plug into the AC outlet. IMPORTANT: This operation must be performed
- without batteries loaded. 4. The buzzer will sound three times. Now your cash register has been initialized. The display will show "0.00" with "".

Installing Batteries

Batteries must be installed in the cash register to prevent data and programmed contents from being lost from the memory in case of accidental disconnection of the AC cord or power failure. Please install three new "AA" batteries before programming and operating the cash register. Once installed, the batteries will last approximately one year. When it is time to replace them, the "L" symbol will appear on the display to indicate a low battery voltage. If the symbol appears, you must replace them within two

Install the batteries according to this procedure with the AC cord connected:



2. Open the battery cover next to the paper roll cradle



3. Insert three new AA batteries



- 4. When the batteries are properly installed, ""," on the display will disappear. Close the battery
- 5. Attach the printer cover.

Installing a Paper Roll

Always install the paper roll even when you set the register for not printing journal or receipt in REG mode. 1. Push the printer cover forward and detach it.

2. Place a paper roll in the paper roll cradle so that the paper unrolls from the bottom.



Before placing a new paper roll in the paper roll cradle, cut off the pasted (taped) part of the paper and confirm that the cut end of the paper is straight.

3. Insert the paper straight into the paper inlet, and press the 1 key. The inserted end



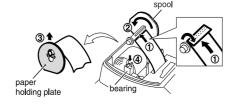
4. (For journal printing)

(I)Insert the top end of the paper into the slit in the take-up spool shaft and fold the inserted end toward you.

(2) Wind the paper two or three turns.

3 Mount the paper holding plate onto the take-up spool Put the spool shaft in the larger hole of the paper holding plate and push the plate in the direction

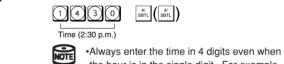
4)Place the take-up spool on the bearing



5. Attach the printer cover (For receipt printing, step 4 should be omitted.)

Setting the Time

Turn the mode switch to the Z/PGM position and enter the time in 4 digits ("hhmm" format) using the 24 hour system. Press the set key once to continue programming or twice to exit the program mode.

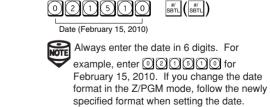


the hour is in the single digit. For example, enter 0 6 3 0 for 6:30 a.m. • 6:30 a.m. prints as "06-30" and 6:30 p.m. prints as "06-30@".

In the Z/PGM mode, enter the date in 6 digits using

the month-day-year format. Press the str. key once to continue programming or twice to exit the program mode

Setting the Date



Checking the Time and Date You can display the time and date to check if they

are correctly set. 1. Turn the mode switch in the REG position.

2. Press the key once to display the time. 3. Press the will key a second time to display the

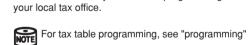
Programming the Tax Rate

Before you can proceed with registration of sales, you must first program the tax that is levied in accordance with the law of your state. Your cash register comes with the ability to program four different tax rates. In most states, you will only need to program Tax 1. However, if you live in an area that has a separate local tax (such as a Parish tax) or a hospitality tax, your register can be programmed to calculate these separate taxes.

In order to program the tax to be collected in accordance with the law of your state, you must specify the tax rate(s) and minimum taxable

When you program the tax status for a department, tax will be automatically added to sales of items assigned to the department according to the programmed tax status for the department. You can also enter tax manually.

There are two tax programming methods. The tax rate method uses a straight percentage rate per dollar. The tax table method requires tax break information from your state or local tax offices. Use the method which is acceptable in your state. You can obtain necessary data for tax programming from



 \rightarrow @/TM \rightarrow Q \rightarrow CA/AT/NS

Tax Rate Programming The percent rate specified here is used for tax calculation on taxable subtotals. Turn the mode switch to the Z/PGM position and use the following

sequence to program the tax rate: $9 \rightarrow \mathbb{S}^{\#/}_{BBTL} \rightarrow \text{Tax number}(1-4) \rightarrow \mathbb{S}^{\#/}_{BBTL} \rightarrow \mathbb{R}$

where R and Q represent the following. R: Tax rate (0.0000% to 99.9999%) x 10000 Enter the rate in 6 digits (leading zeros may be omitted). If the rate is fractional (e.g., 4 3/8%), it should be converted to its decimal equivalent

(4.375) before entering. Q: Minimum taxable amount (0.01 to 99.99) x 100 Smallest amount for which tax must be collected. In some states, sales whose amounts are less than the minimum taxable amount are not subject to tax. If amounts \$0.01 to \$0.10 are not taxed, the value of Q would be 11 (for \$0.11), the lowest of the first taxable category.



Changing Other Settings As Necessary Your cash register is pre-programmed so that you can use it with minimum setup. To change the initial settings, see the appropriate sections.

Initial Settings Departments 1 to 4:

Taxable 1. Positive (+). Preset price: 0.00 Departments 5 to 8: Non-taxable. Positive (+). Preset price: 0.00

PLU codes 1-10: Assigned to dept. 1. Preset price: 0.00 PLU codes 11-80:

Not used

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Operation Examples

When Paid by Cash

clerk is changed.

- 1. Turn the mode switch to the REG position. 2. Enter the clerk code (1 to 4) and press [CLES]. (Once
- the clerk code is entered, you need not enter the clerk code at the start of each transaction until the
- 3 Enter the price for the first item.
- 4. Press the appropriate department key.
- 5. Repeat steps 2 and 3 for all the remaining items. 6. Press to display the amount due including any
- tax (you can omit this step). 7. Enter the amount received from the customer (you can omit this step if the amount tendered is the same as the subtotal).
- 8. Press CAAT/NS, and the change due is displayed and the drawer opens
- 9. Close the drawer. 1) CLK# 5 0 0 1 5 8 0 0 3 7 SBTL



Amount tendered

When Paid by a Credit Card

Press CH at the end of the transaction. The amount tendered cannot be entered

When Paid by Check

Press CHK at the end of the transaction. The amount tendered can be entered like a cash sale and the change due is displayed

Mixed Tender Sale

When the amount tendered by cash or check is less than the sales amount including tax, the display shows a deficit and "a". To compensate for the deficit, make an additional amount-tendered entry or make a charge

Department

Repetitive Department Entries To enter two or more of the same item, press the

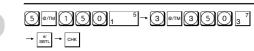
appropriate department key repeatedly.

Multiplication Entries

To enter a sale of two or more of the same item, use [a/TM]

key for multiplication Example: Selling five pieces of \$1.50 item (department 1)

and three pieces of \$3.50 item (department 3) for check payment.



Single Item Cash Sale (SICS) Entry

This function is used for the sale of one item to be paid by cash. It is applicable only to departments programmed for single-item cash sales or to PLUs associated with such departments. After the appropriate department or PLU key is pressed, the transaction is complete and the drawer opens. For the programming of SICS, see the Department Status section in "Programming."

PLU (Price Look Up)

The PLU function allows speedy key entries. When a PLU code has been assigned to an item and a price for it has been programmed, entry of the code automatically calls up the price for the item. Up to 80 PLU codes are programmable. See the PLU programming section in "Programming"

To enter a sale of a PLU item, simply enter its code and

Tax Calculation

Automatic Tax Calculation

When the register is programmed with a tax table or tax rate method and the tax status of a department is programmed as taxable, the register automatically computes the tax on any item entered using the department key for that department or a PLU code associated with that department.

Taxable Subtotal

You can display the taxable 1 or taxable 2 subtotal by pressing either tax shift key and then sin. The subtotal of taxable 1 or taxable 2 entries is displayed. You cannot display the subtotal of taxable 3 or 4 items.

Tax Shift

You can change the programmed taxable 1 or 2 status of each department key by pressing one or both of the two tax shift keys and . To change the taxable status, press the appropriate tax shift key just before the department, PLU or 18 key. In case of repetitive entries, the shifted tax status is used.

Tax Delete

This function is used when the taxable item or items once entered need to be made non-taxable. Press or , then , and voo and all entries made so far in the transaction for items with the specified taxable status will be made non-taxable

To make all entries up to that point non-taxable, press and [N/2], then [m/sm], and [voo]. Subsequent entries in the transaction remain unaffected and will be taxed normally

Manual Tax

You can apply tax manually when the automatic tax calculation function cannot be used. Each manual tax entry (for Tax 1 or Tax 2) can be made only once during a transaction. After a manual tax entry, you cannot make any further item entries. Manual tax 1 entry:

Manual tax 2 entry: $\frac{1}{SHFT}$ and $\frac{t}{SHFL}$ \rightarrow tax amount \rightarrow **Opening the Drawer**

Just press CAATINS and the drawer opens.

TAXI and st. → tax amount → st.

Percent Key

with No Sale

The percent key is used to apply a discount or premium to an item or to a subtotal You can manually enter a discount (or premium) rate. Once the rate is preset for [3], you can skip the step of

entering the rate. Discount for an item:

entry of an item → percentage rate → [%] (ex. For 20%, enter 2000).

entry of all items $\rightarrow \mathbb{S}_{n}^{*}$ \rightarrow percentage rate $\rightarrow \mathbb{S}_{n}$ (ex. For 5%, enter 5 0 0.)

Entering a Refund

The cash register has no refund key. You must use the following alternative method to make a refund entry: A negative department for refund must be programmed in advance. Check the taxable status of the returned item is the same as that of the programmed negative department. If not, use the appropriate tax shift key to change the taxable status.

unit price of the returned item → negative dept. key → CA/AT/NS Or CH.

Non-add Code Number

Non-add code numbers can be entered and printed on the journal (or receipt) during the entry of a sale. Non add codes can be used for credit numbers, check numbers, serial numbers, product codes, service charge codes or any other numbers for reference to specific

transactions. Non-add code numbers can be entered n the REG or VOID mode

Non-add code number entry procedure: a code number of up to 8 digits $\rightarrow \frac{\pi}{8811}$.

Received-on-Account and Paid-Out Entries

The received-on-account (RA) entry function is used for entering the cash received not directly connected with a sale. The paid-out (PO) entry function is used for recording the money taken from the drawer for payment not directly connected with a sale. These functions are available in the X/Flash mode.

Received-on-account entry (X/Flash mode): amount received (up to \$799999.99) → [TAXT]

Paid-out entry (X/Flash mode): amount paid out (up to \$799999.99) → [32]

key and take the appropriate action.

When an Error Occurs

When your register goes into an error mode, it will display the error symbol "E" accompanied with a warning beep. Clear the error state by pressing the [CL]

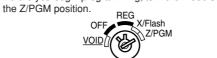
- 1. You enter a number of more than 7 digits for the department price or a number larger than the 79999999 (8 digits) for other amounts.
- Press and re-enter a correct number. 2. You make an error in key operation:
- Press and operate keys correctly.
- 3. You make an entry beyond a programmed entry digit limit:
- Press and check if the entered amount is correct. If not correct, re-enter a correct number. If correct, check the setting of the entry digit limit.
- 4. A subtotal exceeds 79999999 (eight digits): Press and then press CA/AT/NS, CH or CHK to finish
- the transaction. 5. The number of an item exceeds 3 digits in multiplication entry:
- Press and re-enter the correct number.

Error Escape Function

When an error or something uncontrollable occurs during a transaction entry and you cannot keep the customer waiting, press [SSC] twice (following [CL] when in the error state). You can escape the situation and finalize the transaction as a cash sale at that time. Transaction entries to that point are registered.

Programming

Before you begin programming, turn the mode switch to



Follow these steps as needed.

If you do not press the send key at the end of each programming step, you can continue programming without printing the programming report.

Programming by Departments

Preset Unit Price

The preset unit price function assigns a frequently purchased item to a department key and enables you to enter the price simply by pressing the department key. Specify a price using the following sequence:

Unit Price (Max. 5 digits) → Dept. key (→ set | set |

Department Status

You can specify various status parameters (+/- sign, single item cash sale function, taxable status and entry digit limit) for a department key. Use the following

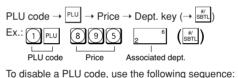
 $ABCDEFG \rightarrow \stackrel{\text{@/TM}}{\longrightarrow} Dept. \text{ key } (\rightarrow \stackrel{\text{#/}}{SBTL})$

where A to G represent the following choices. A: Choice of + or - sign

- Enter 0 for + or 1 for B: Choice of single item cash sale (SICS) function
- Enter 0 for normal or 1 for single item cash sale. C, D, E and F: Choice of taxable status
- Enter 0000 for non-taxable, 0001 for taxable 1, 0010 for taxable 2, 0100 for taxable 3, 1000 for taxable 4 or 0011 for taxable 1 and 2. G: Entry digit limit (0 to 7 digits) Enter 0, 1, 2, 3, 4, 5, 6 or 7

PLU (Price Look-Up) Programming

Each PLU is associated to a department and the programmed contents for the department are automatically applied. Your cash register is preprogrammed so PLU codes 1-10 are assigned to department 1 and PLU codes 11-80 are disabled. To set the price or change the associated department, use the



PLU code $\rightarrow PLU \rightarrow VOID (\rightarrow SBTL)$

following choices.

 $\overrightarrow{R} \rightarrow \overrightarrow{\text{erm}} \rightarrow \overrightarrow{M} \rightarrow \overrightarrow{\text{erm}} \rightarrow \overrightarrow{Q} \xrightarrow{\downarrow} \overrightarrow{\text{erm}} \rightarrow \text{Breakpoint} \xrightarrow{\uparrow}$

Tax Programming

Tax Table Programming

If you are in an area that uses a tax table for tax calculation, you can program the cash register accordingly. Tax table programming can be performed for Tax 1 and

Sample tax table 1 (6%):

Гах	Breakpoint	Breakpoint difference	
.00	.01	.10	Non-cyclic
.01 .02 .03 .04 .05	.11 .23 .39 .57 .73	.12 .16 .18 .16 .16	Cyclic I
.07 .08 .09 .10 .11 .12	1.11 1.23 1.39 1.57 1.73 1.89	.12 .16 .18 .16 .16	Cyclic II

Sample tax table 2:

Tax	Breakpoint
.00	.01
.01	.11
.02	.26
.03	.47
.04	.68
.06	.89
.09	1.11
.10	1.26
.11	1.47
.12	1.68
.14	1.89
.17	2.11

If tax is not shown for every cent, use the breakpoint of the next highest to

breakpoint of the next highest tax amount for each missing breakpoint. In sample tax table 2, tax is not shown for .05, .07, .08, .13, .15 and .16. Likewise, the corresponding breakpoints are not shown. To complete the table, simply insert the next highest breakpoint after each missing figure Therefore, the breakpoint for .05 would be .89, .07 and .08 would be 1.11, etc.

Use the following sequence for tax programming: $8 \rightarrow \frac{\text{a}'}{\text{SBTL}} \rightarrow 1$ for Tax 1 or 2 for Tax 2 $\rightarrow \text{@/TM} \rightarrow$

be collected. In some states, sales whose amounts are less than a specific minimum taxable amount are not subject to taxation Breakpoints (0.01 to 99.99) x 100

The tax amount increases in stages. The value of a taxable subtotal at which the tax amount changes is called a breakpoint. The difference between one breakpoint and the next is called the breakpoint difference. A group of breakpoint differences is repeated at regular intervals and each of these intervals is called a cycle. A maximum of 18 breakpoints (for tax types 1 and 2), between 0.01 to 99.99, can be programmed. Intervals between breakpoints must be less than one dollar

where R, M and Q represent the following:

decimal equivalent before entering

the first breakpoint of the next cycle.

M: Cycle (0.01 to 99.99) x 100

R: Tax rate (0.0000% to 99.9999%) x 10000

In tax table 1, you can see that the breakpoint

If the rate is fractional, it should be converted to its

differences repeat in cycle. The value of M may be

viewed as the taxable amount which is covered by a

cycle. Thus, it can be determined by adding all of the

breakpoint differences in a cycle or by simply taking the

difference between the first breakpoint of the cycle and

Q: Minimum taxable amount (0.01 to 99.99) x 100

This represents the smallest amount for which tax must

Example: Programmig Tax 1 as 6% sales tax using D: Printing time Enter 0 to print or 1 not to print

san	nple tax table	1.	
8 sbr. 1		0000 e/TM x rate(R)	100 Cycle(M)
Minimum taxable amount(Q) (First breakpoint)	Breakpoint	Breakpoint	Breakpoint
®/TM 7 3 Breakpoint	®/TM 8 9 Breakpoint	®/TM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CA/AT/NS

(First breakpoint of the next cycle)

Programming the Percent key

Percent Key Function

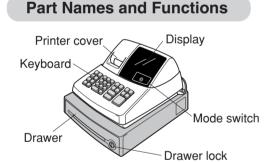
A: Choice of + or - sign

Enter 0 for + or 1 for

The key can be programmed as a discount key or as a premium key. The taxable status of the 🐒 key can also be programmed though it is pre-programmed as a non-taxable discount key. Use the following sequence:

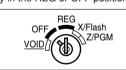
ABCDE \rightarrow @/TM \rightarrow % (\rightarrow SBTL) where A to E represent the following choices receipt number 1001, enter 1000).

(For miscellaneous settings, secret code and checking machine settings, see the columns below.)



Mode Switch

The mode switch enables the register to perform a variety of functions. The mode switch can be operated by inserting the supplied mode key. The key can be inserted into or withdrawn from the switch only in the REG or OFF position

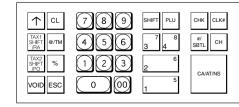


You can select the following functions:

REG: Permits transaction entries **OFF:** Turns the display off. **VOID:** Permits you to cancel transaction entries. X/Flash: Permits printing of sales reports and

displaying of flash reports. **Z/PGM:** Permits printing of sales reports, resetting of sales data and programming.

Keyboard Layout



In order to enter the departments 5 to 8, press suff and then the 1 to 4 keys.

Display

The XE-A106 is equipped with a front LED (Lightduring transactions.

Symbols and figures appearing on the display:

Department code

" !" would appear in the extreme left position. Repeat: Indicates the number of times the same

(E) Error: This symbol appears, accompanied by a warning beep, when an error is made. If this occurs during a transaction because of an excessive digit entry, simply press and re-enter

when the cash register is being programmed in the Z/PGM mode. (**F**) **Finalization**: This symbol appears when a transaction is finalized by pressing CA/AT/NS, CH or CHK.

(a) Subtotal: This symbol appears when strain is pressed and the cash register computes the subtotal, and also when the amount tendered is less than the total sale amount. (**[**) **Change:** This symbol appears whenever the

change due amount is displayed. (L) Low battery: This symbol appears when the power of the installed batteries is below a certain ones. (see the "Maintenance" section for

explanation.) (L) No battery: This symbol appears when no batteries are installed. (see "Maintenance" and "Getting Started" sections for explanation.)

- In addition, the following appear when appropriate: • The minus sign (-) can appear in positions 2 to 8.
- The decimal point appears in positions 1 to 3. • When entry of the secret code is necessary, "---" appears in positions 1 to 4.

Emitting Diode) display that affords easy visibility

Departments/PLU Code: The department code or PLU code entered appears on the left. For example, if the key for department 1 is pressed.

department key is pressed. If an entry is repeated more than ten times, only the first digit is displayed (12 displays as "**∠**").

correctly.

level or you need to replace the batteries with new

8765432 (

Reading and Resetting of Sales

X Reports This report, when taken in the X/Flash mode, prints the accumulated information of sales. Taking an X report is a good way to do a mid-day check on daily sales. You can take X reports any number of

times, because they do not affect the cash register's memory. To issue an X report, turn the mode switch to the

X/Flash position and press CA/AT/NS.

The contents of Z reports are the same as those of

Sales Total

Cash in Drawer

Z Reports

X reports, but issuance of a Z report resets all the transaction totals to zero. To issue a Z report, turn the mode switch to the Z/PGM position. If the secret code is programmed, you must enter the secret code and press CANALVAS after enter the secret code and press CA/AT/NS after

this step. For Z reports without grand total resetting

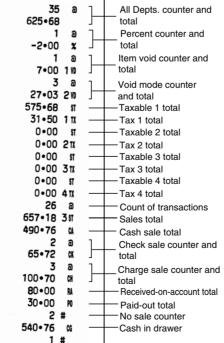
If the secret code is programmed, you have to enter the secret code and press [CANATINS] to enter the secret code and press CA/AT/NS again after this step.

For Z reports with grand total resetting If you want to reset the grand total(GT)when taking the Z report, press CHK instead of CA/AT/NS. Other than resetting the grand total, this report is the same as the normal Z reports.

If the secret code is programmed, you have to enter the secret code and press again Flash Reports (displayed but not printed) Press the following key in the X/Flash mode: Department key

X/Z Report Sample

- Reset counte 0001 z—Reset symbol 000000 ("X" is printed in the 0657•18 1st case of X reports.) 27 a — L Grand total Quantity
Dept. code 549•73 1 24 00 2 Amount 69•00 3 35 a 625 • 68



-Clerk 1 sale total

Clerk 2 sale total

- Clerk 3 sale total

--- Clerk 4 sale total

331 • 00

117•56

156•78

51 • 84

02-16-10

0052#11-47

3 #

4 #

4 #

Miscellaneous Settings You can program miscellaneous settings using the following sequence:

where A, B, C, D, E, F, G and H represent the

A: Date format Enter 0 for mmddyy, 1 for ddmmyy or 2 for yymmdd. **B: Time format**

Enter 0 for 12 hour system or 1 for 24 hour system. C: Decimal point setting Enter 0, 1, 2 or 3 for the decimal point position. D: Resetting receipt no. when issuing Z report

Enter 0 to not reset or 1 to reset E: Amount tendered compulsory Enter 0 for non compulsory or 1 for compulsory. F: Choice of san compulsory Enter 0 for non compulsory or 1 for compulsory.

manual tax Enter 0, 1, 2, 3, 4, 5, 6, 7 or 8 for the entry digit limit H: Rounding

Enter 0 for rounding off, 1 for rounding up or 2

for rounding down Initial setting: date format "mmddyy", time format "12 hour system", decimal point position "2", not resetting, amount tendered non compulsory, set. non compulsory, entry digit limit "8" and rounding off ("00200080")

Secret Code

A secret code can be specified so that only those who know the secret code may issue Z reports for reading and resetting of sales, perform programming in the Z/PGM mode and void operation in the VOID mode. The pre-programmed secret code setting is 0000 (no secret code). Use the following sequence to enter a secret code (4

Secret code → ^{@/TM} → CA/AT/NS

The secret code function can be disabled by entering 0000 (or nothing) for the code in When entry of secret code is necessary, "----" is

displayed. Each time you enter a number for the secret code, the corresponding symbol "-"

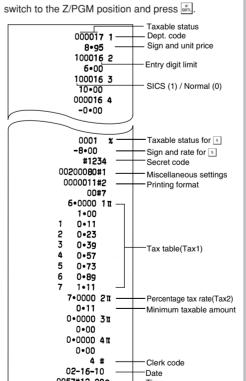
Checking the Machine

To obtain a printout that shows the cash register settings, turn the mode switch to the Z/PGM

Settings

General & Tax Settings To see the general and tax settings, turn the mode

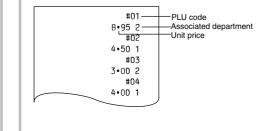
position and use the following sequence:



PLU Settings

To see the PLU settings, turn the mode switch to the Z/PGM position and press PLU.

0057#12-08a



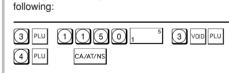
Correction

Correction of Entered Number When you enter an incorrect number, delete it by

pressing L immediately after the entry. Correction of the Last Entry If you make a mistake when making a department

entry, PLU entry, repetitive or multiplication entry, discount or premium entry by 🐒 , or manual tax entry, you can correct this by pressing [VOID].

Correction of Earlier Entries You can correct any incorrect entry made during a transaction if you find it before finalizing the transaction by pressing CA/AT/NS, CH, CHK, etc. For example, to correct 3 PLU entry to 4 PLU after



another correct entry has been made, enter the

Void Mode

subtracted from each totalizer and added to a void To use this function, turn the mode switch to the VOID position and enter the same details that are

made in an incorrect receipt. The entries are

on the incorrect receipt. The VOID mode

If the secret code is programmed, you have to enter the secret code as setting the mode switch to the VOID position. Void Operation in the X/Flash Mode

Received-on-account (RA) and paid-out (PO)

entries can be corrected in the X/Flash mode.

Void operation for RA (X/Flash mode) void* → amount → SHIFT

void* → amount → TAX2 SHIFT

*If the secret code is programmed, you have to enter the secret code here and press von again before entering the amount and pressing or ... or ...

Void operation for PO (X/Flash mode)

In Case of a Power Failure or Paper Jam

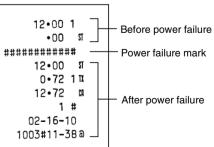
The following situations may arise during a power failure or paper jam. (Make sure that batteries are correctly installed.) As the power is recovered or a paper jam is removed, the register will resume normal operation with a next key operation.

Upon power recovery, the register resumes operation from the point of failure.

"#########" and resumes printing of the transaction data.

When a power failure occurs during printing of

an X (reading) or Z (reading and resetting) Upon power recovery, the register prints



When the printer motor is locked due to a

Then plug in the power cord, feed the roll paper to the proper position and press [CL]. The register will then resume printing after printing "#########".

You can choose either a journal or receipt format and specify other options for the printing format. Use the

A: Printing journal/receipt in the REG mode

B, C, D and E: Choice of taxable status

taxable 4 or 0011 for taxable 1 and 2.

Programming the percent rate

Use the following sequence:

Initial setting: 0.00(%)

following sequence:

(ex. For 10.00% enter 1000).)

Enter 0000 for non-taxable, 0001 for taxable 1,

Initial setting: - (discount), non-taxable ("10000")

Printing Format

0010 for taxable 2, 0100 for taxable 3, 1000 for

Enter 0 for printing or 1 for no printing. B: Journal or receipt format Enter 0 for journal format or 1 for receipt format. (In the receipt format, the paper is fed by a few

lines upon finalization of each transaction. In the

journal format, the paper is wound around the take

C: Printing date Enter 0 to print or 1 not to print

E: Printing consecutive numbers Enter 0 to print or 1 not to print F: Printing taxable subtotal Enter 0 to print or 1 not to print

Enter 0 to print or 1 not to print Initial setting: printing in the REG mode, journal format, printing date, time and consecutive number. and not printing taxable subtotal and merchandise subtotal ("0000011")

G: Printing merchandise subtotal with ser.

Consecutive Receipt Number

transaction or receipt and report with the date and time. Use the following sequence to set the receipt start number. To start from a specific number, enter the number less one (e.g. if you want to start from

Consecutive (receipt) number $\rightarrow \stackrel{\text{\tiny (B/TM}}{\longrightarrow} \rightarrow \stackrel{\text{\tiny (B/TM}}{\boxtimes})$ Initial setting: starting from 0001("0000")

When a power failure occurs with the register turned on or during a computation process:

transaction data: Upon power recovery, the register prints

When a power failure occurs during printing of

"#########" and resumes printing of the

Printing stops and intermittent beeping starts. First, unplug the power cord and clear the paper jam.

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