

## IMPORTANT

- Be very careful when removing and replacing the printer cover, as the cutter mounted on it is very sharp.
- Install the register in a location not subject to direct sunlight, unusual temperature changes, high humidity or splashing water.  
Installation in such locations could cause damage to the cabinet and the electronic components.
- Never install the register in saline areas (e.g.: close to the sea).  
Installing the register in such locations could cause component failure with the corrosion.
- Never operate the register with wet hands.  
The water could seep into the interior of the register and cause component failure.
- When cleaning the register, use a dry, soft cloth. Never use solvents, such as benzine and/or thinner.  
The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- The register plugs into any standard wall outlet (official (nominal) voltage).  
Other electrical devices on the same electrical circuit could cause the register to malfunction.
- For protection against data loss, please install two alkaline batteries LR6 ("AA" size) after initializing the register. When handling the batteries, please observe the following:  
Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the register.
  - RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
  - Be sure that the positive (+) and negative (–) poles of each battery are facing in the proper direction for installation.
  - 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 do not plan to use the register for long periods.
  - Should a battery leak, clean out the battery compartment immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.
  - For battery disposal, follow the corresponding law in your country.
- For complete electrical disconnection, disconnect the main plug.

## Caution Scanner connection

In order to allow a plug & play connection of the optional scanner the Pin 9 of the D-Sub connector uses +5V.  
Be very careful of this +5V in case connection of a different device should be done so that a damage of the register or device is avoided.

# SHARP®

## ELECTRONIC CASH REGISTER

MODEL  
**XE-A307**

## Basic User Manual



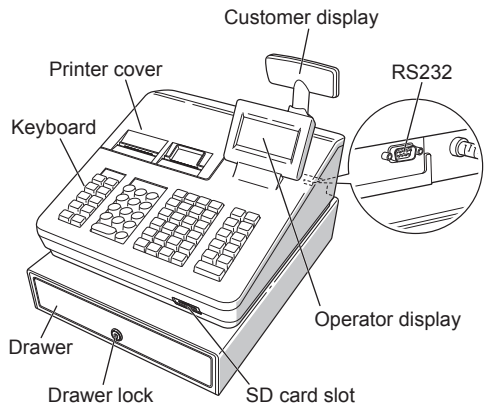
Printed in Thailand  
16E TINSE2613BSZ1 ③

Thank you very much for your purchase of the SHARP Electronic Cash Register, Model XE-A307.  
Please read this manual carefully before operating your machine in order to gain full understanding of functions and features.  
Please keep this manual for future reference. It will help you if you encounter any operational problems.

Further details can be freely downloaded from the URL:  
- The United Kingdom and Republic of Ireland: [www.sharp-pos.co.uk](http://www.sharp-pos.co.uk)  
- Netherlands and Belgium and Luxemburg: [www.sharp.nl](http://www.sharp.nl)  
- Sweden: [www.sharp.se](http://www.sharp.se)

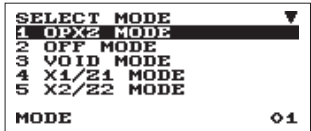
**For Easy Set-up,  
See “Getting Started”**

## Part Names and Functions



### Selecting an Operating Mode

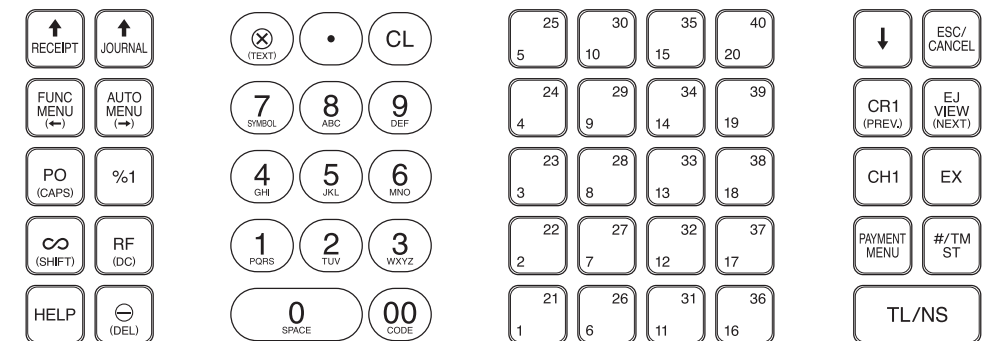
Press the **[MODE]** key. The following mode screen is displayed.



Use one of the following ways:

- Move the cursor to the desired option by using the **[↑]** or **[↓]** key, and press the **[TUNS]** key.
- Enter the desired option number by using a numeric key, and press the **[TUNS]** key.

### Keyboard Layout



The following are used as control keys for text programming:

- [DC]** : This key toggles the double-size character mode and the normal-size character mode.
- [SHIFT]** : You can enter an upper-case letter by using this key.
- [←]** **[→]** : Moves the cursor.
- [DEL]** : Deletes a character or figure in the cursor position.

You can select the following function.

**OPXZ mode:**  
This mode allows clerks to take X or Z reports on their sales information.

**OFF mode:**  
This mode locks all operations of the register. When you select this mode, the window will disappear. Pressing any key turns the register ON.

**VOID mode:**  
This mode allows correction after finalizing a transaction.

**X1/Z1 mode:**  
This mode is used to take various daily total reports (X1/Z1 reports).

**X2/Z2 mode:**  
This mode is used to take various weekly or monthly reports (X2/Z2 reports).

**PGM mode:**  
This mode is used to program various items.

**SD CARD mode:**  
This mode allows you to save and load the data of your register to and from the SD card.



When you want to enter the REG mode, simply press the **[ESC/CANCEL]** key.

## Main Functional Overview

The register has the following main functions. Details can be freely downloaded from the URL.

### Item Entries

- Single item entries
- Repeat entries
- Multiplication entries
- Split-pricing entries
- Single item cash sale (SICS) entries

### Correction

- Correction of the last entry (direct void)
- Correction of the next-to-last or earlier entries (indirect void)
- Subtotal void
- Correction after finalizing a transaction

### Special Entries for PLU/EAN

- Scan of EAN Codes
- EAN learning function
- Internal EAN Codes
- Auto delete function of non-accessed EAN Codes

### Special Printing Function

- Copy receipt printing
- Guest check receipt (bill print)

### Manager Mode

- Manager sign-on
- Override entries

### Display of Subtotals

- Subtotal

### Other Functions

- Starting cash memory
- Training mode
- SD card mode
- Electronic journal
- Electronic journal data view function

### Finalization of Transaction

- Cash or check tendering
- Mixed tendering (check + cash)
- Cash or check sale that does not need any tender entry
- Credit sale
- Mixed sales and tender entries

### Computation of VAT (Value Added Tax)/Tax

- VAT/tax system
- VAT surcharge system

### Auxiliary Entries

- Refund entries
- Percentage discount
- Amount discount
- Non-add code entry

### Payment Treatment

- Currency exchange
- Received-on-account entries
- Paid-out entries
- No-sale (exchange)
- Check Change
- Cashing a check

### Overlapped Clerk Entry

# Getting Started

## Initializing the Cash Register

For your 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 plug into the AC outlet.

**IMPORTANT:** This operation must be performed without batteries loaded.

Never install the batteries into the register before initializing it. Before you start operating the register, you must first initialize it, then install two new alkaline batteries LR6 (“AA” size) on the register. Otherwise, distorted memory contents and malfunction of the register will occur.

## Language Selection

1. Display the “Language Selection” after turning on the power.
2. Press the numeric key for the number of your language.

After selecting the language, the register is initialized. According to the displayed instruction, perform the setting.

## Setting the Date and Time

1. Display the “DATE/TIME setting”.
2. Enter the date in 6 digits. For example, enter “050611” for June 5, 2011.
3. Press the key to select the time setting.
4. Enter the time in 4 digits. For example, enter “1430” for 2:30pm.
5. Press the key to set the date and time.

## Setting the Tax Rate

1. Select the tax number (1 to 4) to set the tax rate.
  2. Enter the tax rate in 7 digits (leading zeros may be omitted). For example, press the “7” key to set 7%.
  3. To set the second and later tax rates, press the key.
  4. Press the key to set the tax rate.
- For details, refer to “FULL DETAILED INSTRUCTION MANUAL”.

## Calculation of VAT rate

VAT is included in the entered price, and the tax amount is calculated when tendered according to the VAT rate programmed.  
By default, VAT1 is assigned to all items.

The HELP function instructs you how to assign VAT to department. After pressing the “7” key, press the key to access the HELP.

## Setting the Mode Pass Code

1. Select the mode to set the pass code using the or keys.
  2. Enter the code in 4 digits using the numeric keys.
  3. Press the key to set the mode pass code.
- If no pass code is set, press the key.

## Setting the Manager Pass Code

1. Enter the code in 4 digits using the numeric keys.
2. Press the key to set the manager pass code.

If no pass code is set, press the key.

## Setting the Receipt Logo

1. To change the default logo text, press the key to delete the texts in each line. Enter the text using the character keys to print on the receipt.
  2. Press the key to set the receipt logo.
- If you do not change receipt logo, press the key.

## Text entry method

There are two ways for programming text; using character keys on the keyboard or entering character codes with numeric keys on the keyboard. You can enter characters according to the small figures printed in the lower position of the numeric keys. For the layout, please refer to “keyboard Layout”.

For example to enter “A”, press the 8 key. To enter “B”, press the 8 key twice.

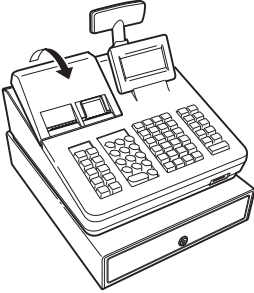


- Details can be freely downloaded from the URL.
- The HELP function instructs you how to set the logo message. After entering “13”, press the key to access the HELP.

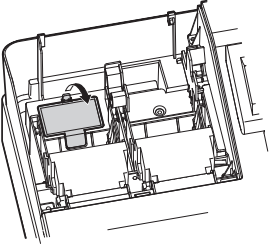
## Installing Batteries

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 two new alkaline batteries LR6 (“AA” size) before programming and operating the cash register.

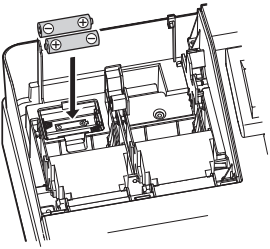
1. Remove the printer cover.



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



3. Install two new LR6 (“AA” size) batteries.

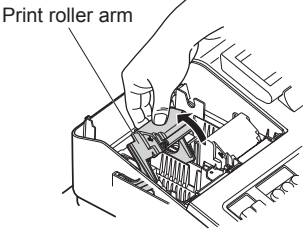


4. Close the battery cover.
5. Replace the printer cover.

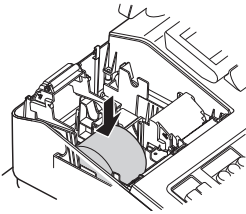
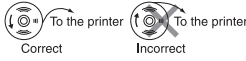
## Installing Paper Rolls

The register can print receipts and journals. For the printer, you must install the paper rolls (receipt and journal paper rolls) provided with the register.

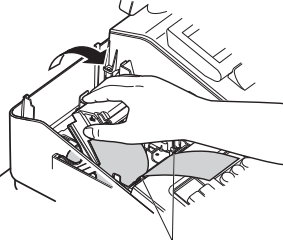
1. Remove the printer cover.
2. Lift up the print roller arm of the receipt side.



3. Set a paper roll in the paper roll cradle of the receipt side as per the diagram.



4. Feed the end of the paper along with the paper positioning guides as per the diagram.
5. While holding down the paper, slowly close the print roller arm of the receipt side, and push down the arm until you hear a click locking the arm.



Paper positioning guides



If the print roller arm is not securely locked, printing is not done right. If this problem occurs, open the arm, and close the arm instructed above.

# Entries

## Basic Sales Entry

Listed below is a basic sales entry example when selling items by cash. Details can be freely downloaded from the URL.

1. Enter the clerk code and press the key. By default, the clerk 1 is signed on.
2. Enter the unit price and press the appropriate department key. For details, refer to the item below.
3. Repeat step 2 for all department items.
4. When the item entry is completed, press the key. The total amount due is displayed.
5. Receive the amount from your customer, and enter the amount by the numeric keys.
6. Press the key. The change due is displayed, and the drawer is opened.
7. Close the drawer.

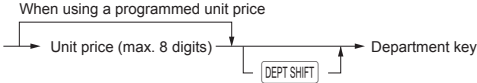
Key operation example	
Clerk assignment	1
Item entries	<div><div>1500</div><div></div></div> <div><div>2300</div><div></div></div>
Displaying subtotal	
Amount tendered	4000
Finalizing the transaction	

\* : indicate department keys.

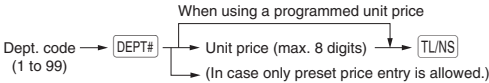
## Department Entries

The register provides a maximum of 99 departments for a merchandise classification. Group attributes, such as taxable status, are applied to items when they are entered to the departments.

- A) For the department 1 to 20, enter the unit price and press the department key. If you use the programmed unit price, press the department key only.
- B) For department 21 to 40, enter the unit price, press the key and press the department key. If you use the programmed unit price, press the key and press the department key.



- C) For department 41 and above, enter the department code using the numeric keys and press the key, then enter the unit price and press the key.
- If you use the programmed unit price, enter the department code and press the key.



## PLU (Price Look Up) Entries

### PLU Code Entry (max. 5 digits)

Enter the PLU code using the numeric keys, and press the key. For example, enter "71" and press the key for "PLU 00071".

## EAN Entries

### Create EAN8/13-Codes in REG mode

This is the easiest way to register and to store EAN Codes before you open your shop or to work for the first time with the cash register.

1. Scan the EAN Code
  2. Enter the price of the article and press after the price entry the key.
  3. Enter the Department code to which the article should be assigned to and press after the Department entry the key.
  4. Select “2. NO DELETE” with the key in order to store the article continuously and press the key.
  5. The created article is now registered.
- At the next scan entry of this EAN code the registration is automatically done without the steps above steps 1 – 4.

### EAN codes Entry (8 or 13 digits)

Enter the EAN code using the numeric keys, and press the key.

### EAN Code Scanning (8 or 13 digits)

Read the EAN code on the item with the scanner.

## Correction

### Correction of Entered Number

When you enter an incorrect number, delete it by pressing the key immediately after the entry.

### Correction of the Last Entry

If you make a mistake when making a department entry, PLU entry, percentage ( and %2) and discount (), you can correct this entry by pressing the key immediately.

### Correction of Earlier Entries

You can correct any incorrect entry made during a transaction if you find it before finalizing the transaction by pressing the key.

Move the cursor to the item to be voided and press the key.

### Subtotal Void

You can void an entry transaction. Once subtotal void is executed, the transaction is aborted and the register issues an receipt.

Press the key immediately after pressing the key.  
And then press the key again.

### Correction after Finalizing a Transaction

When you need to void incorrect entries that are found after finalizing a transaction or cannot be corrected by direct, indirect or subtotal void, the following steps should be taken.

1. Select the VOID mode in the mode selection window.
2. Repeat the entries that are recorded on an incorrect receipt.

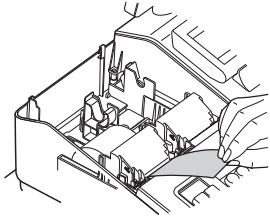
## Error Warning

In the following examples, your register will go into an error state accompanied with a warning beep and the error message on the display. Clear the error state by pressing the key and then take the proper action to remedy the problem.

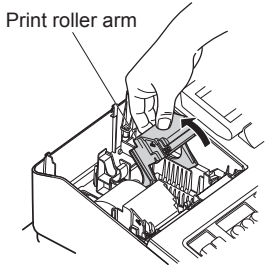
- When you exceed a 32-digit number (entry limit overflow):  
Cancel the entry and re-enter a correct number.
- When you make an error in key operation:  
Clear the error and try the entry again.
- When you make an entry beyond a programmable amount entry limit:  
Check to see if the entered amount is correct. If it is correct, it can be rung up in the MGR mode. Contact your manager.
- When an including-tax subtotal exceeds eight digits:  
Clear the error message by pressing the key and then press a media key to finalize the transaction.



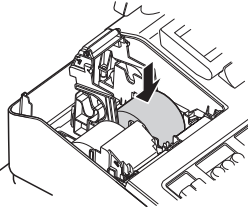
6. Cut off the excess paper.



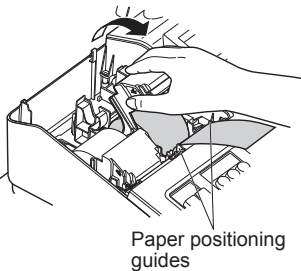
7. Lift up the print roller arm of the journal side.



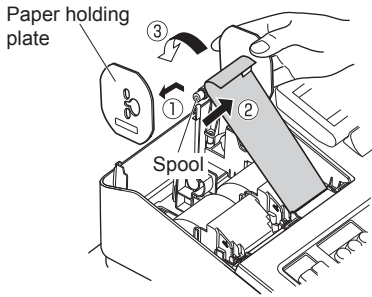
8. Set a paper roll in the paper roll cradle of the journal side as per the diagram.



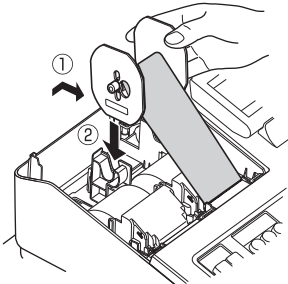
9. While holding down the paper, slowly close the print roller arm of the journal side, and push down the arm until you hear a click locking the arm.



10. ① Remove the paper holding plate from the spool.  
② Insert the end of the paper into the slit in the spool. (Press the journal paper feed key to feed more paper if required.)  
③ Wind the paper two or three turns around the spool shaft.



11. ① Mount the paper holding plate onto the take-up spool.  
② Set the spool on the bearing, and press the journal paper feed key to take up excess slack in the paper.



12. Replace the printer cover.  
13. Press the receipt paper feed key to make sure the paper end comes out of the printer cover and clean paper appears.



If the paper end does not come out, open the printer cover, and pass the paper end between the paper cutter and the paper guide of the printer cover, and replace the printer cover.

## Reading and Resetting Sales

### List of All Available Report

- Use the reading function (X) when you need to take the reading of sales information entered after the last resetting. You can take this reading any number of times. It does not affect the register's memory.
- Use the resetting function (Z) when you need to clear the register's memory. Resetting prints all sales information and clears the entire memory except for the GT1 through GT3, reset count, and consecutive number.
- X1 and Z1 reports show daily sales information. You can take these reports in the X1/Z1 mode.
- X2 and Z2 reports show periodic (monthly) consolidation information. You can take these reports in the X2/Z2 mode.
- In the OP X/Z mode, a clerk can take his or her report.
- If you want to stop the printing report, press the **[ESCAPE]** key.

Item	Mode					
	OP X/Z		X1/Z1		X2/Z2	
	X	Z	X	Z	X	Z
General report			○	○	○	○
Department by group report (from-to sequence)			○		○	
Individual department group report (from-to sequence)			○		○	
Department group total report			○		○	
Transaction report			○		○	
Total-in-drawer report			○		○	
PLU/EAN sales report(from-to sequence)			○	○	○	○
PLU/EAN report by associated dept.			○	○	○	○
PLU/EAN pickup report			○	○	○	○
PLU/EAN zero sales report			○		○	
PLU/EAN zero sales report by associated dept.			○		○	
All clerk report			○	○	○	○
Individual clerk report	○	○	○	○	○	○
Hourly report (by specified range)			○			
Hourly report (all)			○	○		
Daily net report					○	○
Flash report			○			



- When both sales quantities and sales amounts are zero, printing is skipped. If you do not want to skip, change the programming. Details can be freely downloaded from the URL.
- "X" represents read symbol and "Z" represents reset symbol in the reports.
- The drawer does not open when you take X/Z reports.
- When printing is performed continuously, the printing may be intermitted for several seconds. After the intermission, the printing will be restarted.

### How to take a X1/Z1 or X2/Z2 report

[To take an X1 or X2 report:]

- Press the **[MODE]** key.
- Select the "4 X1/Z1 MODE" or "5 X2/Z2 MODE" by using the **[↓]** key, and press the **[TUNES]** key.
- Select "2 READING" in the X1/Z1 mode or select "1 READING" in the X2/Z2 mode menu window and press in both cases the **[TUNES]** key to display the items list.
- Select the appropriate report title.
- Press the **[TUNES]** key.

[To take a Z1 or Z2 report:]

- Press the **[MODE]** key.
- Select the "4 X1/Z1 MODE" or "5 X2/Z2 MODE" by using the **[↓]** key, and press the **[TUNES]** key.
- Select "3 RESETTING" in the X1/Z1 mode or select "2 RESETTING" in the X2/Z2 mode menu window and press in both cases the **[TUNES]** key to display the items list.
- Select the appropriate report title.
- Press the **[TUNES]** key.

### Flash report

You can take flash reports (display only) in the X1 mode for department sales, cash in drawer (CID) and sales total at the point you take the report.

- Press the **[MODE]** key.
- Select the "4 X1/Z1 MODE" by using the **[↓]** key, and press the **[TUNES]** key.
- Select the "1 FLASH READ", and press the **[TUNES]** key.
- Select "1 DEPT. SALES" to take a flash report of department sales, "2 CID" to take a flash report of cash in drawer, or "3 SALES TOTAL" to take a flash report of sales total by using the **[↓]** key.
- Press the **[TUNES]** key.

## Maintenance

### Batteries

This register displays a low battery warning message "LOW BATTERY" when the batteries are low, and displays a no battery warning message "NO BATTERY" when batteries are extremely low or batteries are not installed.

If no batteries are installed, install two new alkaline batteries LR6 ("AA" size) 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.

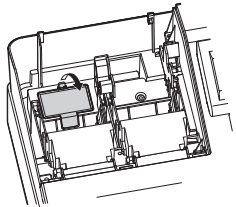


Improper use of batteries could cause them to burst or leak, which might damage the interior of the register. Please take the following precautions:

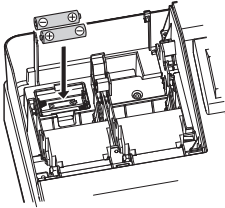
- Be sure that the positive (+) and negative (-) poles of each battery are oriented properly.
- Never mix batteries of different types.
- Never mix old batteries and new ones.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you plan not to use the register for long 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 leak.
- For battery disposal, follow the relevant law or regulation in your country.

### Replacement

- Be sure the register is plugged in.
- Remove the printer cover.
- Open the battery cover and remove the old batteries.



4. Install two new LR6("AA" size) batteries into the battery compartment.



5. Close the battery cover.  
6. Replace the printer cover.

### Paper Roll

When colored dye appears on the edges of the paper roll, it is time to replace the paper roll. Use paper of 57.5 ± 0.5 mm in width. To prevent jamming be sure to use paper specified by SHARP.

### Replacement (Receipt)

- Confirm that the REG mode has been selected.
- Remove the printer cover.
- Lift up the print roller arm of the receipt side.
- Remove the paper roll from the paper roll cradle of the receipt side.



Do not pull the paper through the printer.

5. Install a new paper roll correctly by following the steps in "Installing Paper Rolls".

### Replacement (Journal)

- Confirm that the REG mode has been selected.
- Remove the printer cover.
- Press the journal paper feed key to advance the journal paper until its printed part is out of the way.



Do not pull the paper through the printer.

- Cut the paper and remove the take-up spool from the bearing.
- Lift up the print roller arm of the journal side.
- Remove the paper roll from the paper roll cradle of the journal side.
- Remove the paper holding plate of the take-up spool.
- Remove the printed journal roll from the take-up spool.
- Install a new paper roll correctly by following the steps in "Installing Paper Rolls".

### Removing a Paper Jam



The paper cutter is mounted on the printer cover. Be careful not to cut yourself. Never touch the printer head immediately after printing, as the head may still be hot.

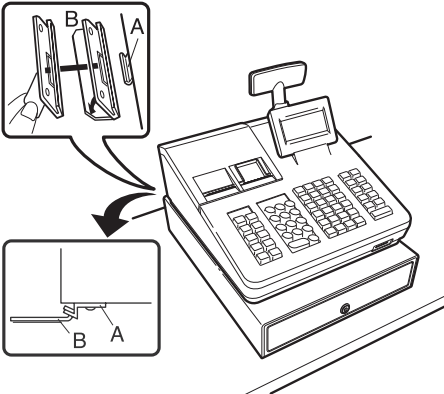
- Remove the printer cover.
- Lift up the print roller arm.
- Remove the paper jam. Check for and remove any shreds of paper that may remain in the printer.
- Reset the paper roll correctly by following the steps in "Installing Paper Rolls".

## Installing the Fixing Angle Bracket

To prevent the register from moving when the drawer opens, the fixing angle bracket is supplied with the register. By attaching the bracket to the table where the register is installed, you can hook the register on this bracket and secure the register to its position.

### How to install the fixing angle bracket

- Thoroughly clean the location where the fixing angle bracket (B) is to be placed.
- Peel off the adhesive tape on the fixing angle bracket.
- Hook the angle bracket onto the hook (A) that is located at the bottom rear of the register.
- Firmly stick the fixing angle bracket to the table surface that your cleaned above.



### How to remove the register from the fixing angle bracket

Lift up the front of the register and pull the register towards you.

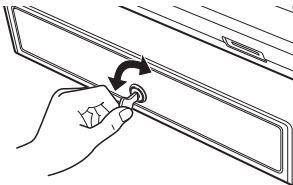
## Drawer Handling

### Locking the Drawer

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

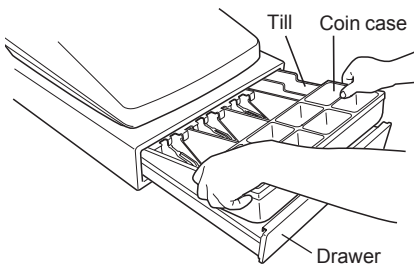
**To lock:** Insert the key into the drawer lock and turn it 90 degrees counter-clockwise.

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



### Removing the Drawer

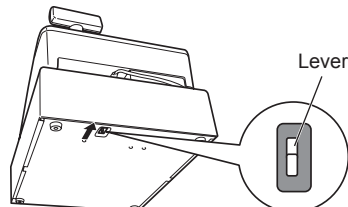
To remove the drawer, pull it out and lift it up.



- 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.

### 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.



**CAUTION:**

- The cash register should be securely fitted to the supporting platforms to avoid instability when the drawer is open.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- For a complete electrical disconnection pull out the mains plug.

**WARNING:**

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Shielded interface cables must be used with this equipment to maintain compliance with EMC regulations.

**SD card**

**ADDITIONAL INFORMATION:**

We would like to point out that the time for the SD card storage depends on the size of the already used memory on SD card.  
Measurements have shown that backing up data is approximately 6 minutes, unless there are already up to 3000 backups / directories on the SD card.

In order to obtain a realistic compromise between the required time and the to be stored data volume, storage of data is limited to a maximum of 5000 entries.  
But also under this condition a period over 13 years can be stored on SD card even so, daily data storage is done. Since SD cards have a specified lifetime we recommend to create regularly backups to ensure the availability of critical data in the event of a faulty SD card.

**FOR CUSTOMERS IN U.K.  
IMPORTANT**

The wires in this mains lead are coloured in accordance with the following code:

<b>BLUE:</b>	<b>Neutral</b>
<b>BROWN:</b>	<b>Live</b>

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows.  
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured black.  
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured red.  
The apparatus must be protected by a 3A fuse in the mains plug or distribution board.  
**CAUTION: DO NOT CONNECT THE LIVE (BROWN) WIRE OR THE NEUTRAL (BLUE) WIRE TO THE EARTH TERMINAL OF YOUR 3-PIN MAINS PLUG.**

**Noise level LpA: 59.6 dB(A-weighted)**  
**Measured according to EN ISO 7779:2001**  
**[Maximum value if the cash drawer springs open LpA: 78.2 dB(A-weighted)]**

**Before Calling for Service**

If you encounter any of the following problems, please read below before calling for service.

**The display does not illuminate.**

- Is power supplied to the electric outlet?
- Is the power cord plug out or loosely connected to the electric outlet?
- Is the register in screen-save mode?

**The display is illuminated, but the whole machine refuses entries.**

- Is a clerk code assigned to the register?
- Is the register in the REG mode?

**No receipt is issued.**

- Is the receipt paper roll properly installed?
- Is there a paper jam?
- Is the receipt function in the “OFF” status?
- Is the print roller arm securely locked?

**No journal paper is taken up.**

- Is the take-up spool installed on the bearing properly?
- Is there a paper jam?

**Printing is unusual.**

- Are the Printer head/sensor/roller clean?
- Is the paper roll properly installed?

**Specifications**

**Model:**

XE-A307

**Dimensions:**

360(W) × 425(D) × 330(H) mm

**Weight:**

Approx.12.0kg

**Power source:**

Official (nominal) voltage and frequency

**Power consumption:**

Standby: 9.8W (220 to 230V, 50Hz/60Hz)

9.3W (230 to 240V, 50Hz)

Operating: 37.8W (220 to 230V, 50Hz/60Hz)

35.1W (230 to 240V, 50Hz)

**Working temperatures:**

0 to 40 °C

**Display:**

Operator display: LCD display with tilt mechanism  
160(W) × 64(H) dots

Customer display: 7-segment LED display

**Printer:**

**Type:**

Two-station thermal printer

**Printing speed:**

Approx. 12 lines/second

**Printing capacity:**

30 digits each for receipt/journal paper

**Other functions:**

- Receipt (ON-OFF) function
- Compression print for an electronic journal/ journal
- Receipt and journal independent paper feed function

**Logo:**

**Graphic logo printing:**

size: 130(H) x 360(W)pixel

Area of black must be less than 35% of all area.

**Logo message printing:**

Logo message for the receipt (max. 30 characters x 6 lines)

**Paper Roll:**

Width: 57.5±0.5 mm

Max. diam.:80 mm

Quality: High quality (0.06 to 0.08 mm thickness)

**Cash drawer:**

5 slots for bills and 8 for coin denominations

**Accessories:**

Basic User Manual: 1 copy

Paper roll: 2 rolls

Take-up spool: 1

Paper holding plate: 1

Drawer lock key: 2

Fixing angle bracket: 1

Battery caution label: 1

**SHARP®**

**SHARP ELECTRONICS (Europe) Ltd.**

4 Furzeground Way, Stockley Park Uxbridge,  
UB11 1 EZ, United Kingdom

**SHARP CORPORATION**