PCR-272

Electronic Cash Register



User's Manual

START-UP is QUICK and EASY! Simple to use!

20 departments and 120 PLUs Automatic Tax Calculations Calculator function



CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome Shibuya-ku, Tokyo 151-8543, Japan





Thank you very much for purchasing this CASIO electronic cash register. START-UP is QUICK and EASY!

Part-1 of this User's Manual can help you make a guick start.

Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

IMPORTANT

FOR PROGRAMMING ASSISTANCE PLEASE CALL TOLL FREE

1-800-638-9228

CASIO Authorized Service Centers

If your CASIO product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO.

Original Carton/Package

If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Location

Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

Power Supply

Your cash register is designed to operate on standard household current (120 V, 50/60 Hz). Do not overload the outlet by plugging in too many appliances.

Cleaning

Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out. Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.

Never use paint thinner, benzene, or other volatile solvents.

The mains plug on this equipment must be used to disconnect mains power. Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

Safety precautions

- To use this product safely and correctly, read this manual thoroughly and operate as instructed.
 After reading this guide, keep it close at hand for easy reference.
 - Please keep all informations for future reference.
- . Always observe the warnings and cautions indicated on the product.

About the icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. The icons and definitions are given below.



Indicates that there is a risk of severe injury or death if used incorrectly.



Indicates that injury or damage may result if used incorrectly.

Icon examples

To bring attention to risks and possible damage, the following types of icons are used.



The \triangle symbol indicates that it includes some symbol for attracting attention (including warning). In this triangle the actual type of precautions to be taken (electric shock, in this case) is indicated.



The \otimes symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.



The
symbol indicates a restriction. In this symbol the type of actual restriction (removal of the power plug from an outlet, in this case) is indicated.



Handling the register



Should the register malfunction, start to emit smoke or a strange odor, or otherwise behave abnormally, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.

Contact CASIO service representative



Do not place containers of liquids near the register and do not allow any foreign matter to get into it. Should water or other foreign matter get into the register, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.

Contact CASIO service representative.



Should you drop the register and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.





Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.

Contact CASIO service representative for all repair and maintenance.

Power plug and AC outlet



Use only a proper AC electric outlet. Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.



Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.

· Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.

Marning!



Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.



Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and short circuit, which creates the danger of electric shock and fire.

· Contact CASIO service representative whenever the power cord or plug requires repair or maintenance.



(Caution!

Do not place the register on an unstable or uneven surface. Doing so can cause the register — especially when the drawer is open — to fall, creating the danger of malfunction, fire, and electric shock.



Do not place the register in the following areas.

- · Areas where the register will be subject to large amounts of humidity or dust, or directly exposed to hot or cold air.
- · Areas exposed to direct sunlight, in a close motor vehicle, or any other area subject to very high temperatures.

The above conditions can cause malfunction, which creates the danger of fire.



Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause short circuit or breaking of the power cord, creating the danger of fire and electric shock.



Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.



Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.



At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug.

Never use detergent to clean the power cord, especially power plug.



Keep small parts out of the reach of small children to make sure it is not swallowed accidentally.

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Basic Components and Accessories



Weld lines

Lines may be visible on the exterior of the product. These are "weld lines" that result from the plastic molding process. They are not cracks or scratches.

1 pc

1 pc

1 pc

2 pcs

1 pc

1 pc

Getting to know your cash register

Mode Switch



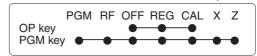


OP key PGM key

Note:

An error is generated (E01 displayed) whenever the position of the Mode Switch is changed during registration.

The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM key (marked PGM) can be select any Mode Switch setting, while OPERATOR key (marked OP) can be used to select OFF, REG or CAL only.



OFF

In this position, the power of the cash register is off.

REG (Register)

This is the position used for registration of normal transactions.

RF (Refund)

This is the position used for registration of refunds.

CAL (Calculator)

This is the position used for calculator mode.

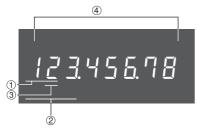
PGM (Programming)

This is the position used to program the cash register to suit the needs of your store.

This is the position used to produce reports of daily sales totals without clearing the totals.

This is the position used to produce reports of daily sales totals. This setting clears the totals.

Display



1) Department Number Display

Anytime you press a department key to register a unit price, the corresponding department number appears here.

2 PLU Number Display

sponding PLU number appears here.

③ Number of Repeat Display

Anytime you perform "repeat registration" (page 12). the number of repeats appears here.

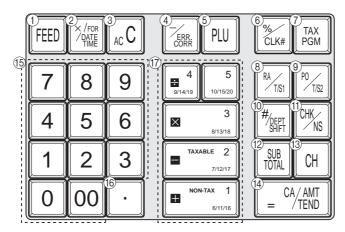
Note that only one digit is displayed for the number of repeats.

4 Numeric Display

Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8

This part of the display can be used to show the cur-Anytime you perform a PLU registration, the corre-rent time or date between registration (page 31).

Keyboard



Certain keys have two functions; one for register mode and one for calculator mode. In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

- 1 FEED Feed key
- ② X/FOR / Multiplication/Split pricing/Date Time key
- 3 Acc Clear key
- 4 minus/Error Correction key
- ⑤ PLU (Price Look Up) key
- 6 Percent/Cashier ID No. Assignment key
- 7 Tax Program key
- 8 Received on Account/Tax Status Shift 1 key
- Poly Poly Paid Out/Tax Status Shift 2 key
- 10 Reference Number/Department Shift key
- (1) CHK Check/No Sale key
- 12 Subtotal key
- (13) CH Charge key
- (4) = CA/AMT | Cash Amount Tendered key
- (b) (0, 1, ~ 9, 00)

Numeric keys and 2-zero key

- 16 Decimal key

Department keys

• Department 6 through 20 are specified by pressing the year key respectively as follows:

> Department 6 ~ 10 → Department 11 ~ 15

(%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) | (%) |

Calculator Mode

- 3 Acc AC key
- ⑤ PLU Memory Recall key
- 6 KLK# Percent key
- ① CHK Drawer Open key
- (5) 0, 1, ~ 9, 00 Numeric keys and 2-zero key
- 16 Decimal key
- (7) $+^{1}$, $-^{2}$, \times^{3} , \div^{4}

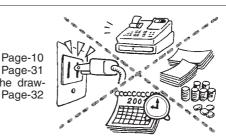
Arithmetic Operation key

Daily Job Flow



Before Opening The Store

- 1. Plugged in?
- 2. Enough Roll Paper?
- 3. Date and Time is correct? Page-31
- 4. Enough small change in the drawer? Page-32





While The Store Is Open

- 1. Registrations. Page-12~
- Issuing latest daily sales total if needed.

 Generating report by Mode Switch
 - (Generating report by Mode Switch to X position.) Page-15





After Closing The Store

- Issuing Daily Sales Total. (Resetting report by Mode Switch to Z position.) Page-15
- 2. Picking up money in the drawer. Page-32
- 3. Turn the Mode Switch to OFF.



Other

Troubleshooting Page-36

When the cash drawer does not open!

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically. Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).



Important!

The drawer will not open, if it is locked with a drawer lock key.



QUICK START OPERATION

1. Initialization and Loading Memory Protection Battery

Important

You must initialize the Cash register and install the memory protection batteries before you can program the cash register.



(Figure 1)

▶ To initialize the cash register

- 1. Set the Mode Switch to OFF.
- 2. Load the memory protection batteries.
- 3. Plug the power cord of the cash register into an AC outlet.
- 4. Set the Mode Switch to REG.

▶ To load the memory protection batteries

- 1. Remove the printer cover.
- 2. Open the battery compartment cover.
- 3. Load 3 new SUM-3 ("AA") type batteries into the compartment. Be sure that the plus (+) and minus (-) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment (Figure 1).
- 4. Replace the memory protection battery compartment cover back into place.
- 5. Replace the printer paper and printer cover.

REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.

Loading Paper Roll And Replacing The Printer's Ink Roll



1. To load journal paper

1 Remove the printer cover by lifting up the back.



- 2 Put a roll of journal paper into the holder.
- 3 Cut the leading end of the roll paper with scissors and insert the paper into the inlet.



- 4) Press the FEED key until 20 or 30 cm of paper is fed from the printer.
- (5) Roll the paper onto the takeup reel a few turns.



6 Set the left plate of the takeup reel and place the reel into the register.



- 7 Press the FEED key to take up any slack in the paper.
- ® Replace the printer cover by placing the cover's front tab into the register's groove.



2. To remove journal paper

- 1) Remove the printer cover following the instructions above. Journal.
- 2 Press the FEED key until approximately 20cm of the pa- ▶ To load receipt paper per is fed from the printer.
- ③ Cut off the roll paper.



- 4 Remove the take-up reel from the printer and take off the left plate of the reel.
- (5) Remove the journal paper from the take-up reel.



6 Cut off the paper left in the printer and press the FEED key until the remaining paper is fed out from the printer.



7 Remove the core of the paper.



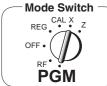
8 Load new paper following the instructions above, and replace the printer cover.

Default printer setting is for Journal. To print receipts, please refer to 1-7-3 on page 22 to switch the printer for Receipt or

- 1) To use the printer to print receipts, follow steps 1 through 4 of "To load journal paper".
- 2 Pass the leading end of the receipt paper through the printer cover's paper outlet and replace the printer cover.
- 3 Tear off any excess paper.

Options: Roll paper - P-5860 Ink Roll - IR-40

3. Basic Programming for QUICK START

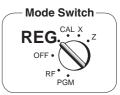


	r Givi
Procedure	Purpose
1. Turn the mode switch to PGM position.	Programming
 2. When the display shows blinking "0", such as enter current date in Month, Day, Year order. Example: January 8, 2010: enter 0 1 0 8 1 0 Enter 6-digit, last 2 digits for year set. (2010 → 10) By pressing c, this procedure returns one by one. 	Setting the current date
3. When the display shows blinking "0", such as enter current time in Hour, Minute order. Example: 1:18 PM, enter 1 3 1 8 • Enter 4-digit, use 24-hour system. • By pressing cc, this procedure returns one by one. • If you want to adjust the date/ time, please refer to page 31 of this manual.	Setting the current time
4. Input the desired flat tax rate to the appropriate department key. (This procedure below programs flat tax rate only. If your tax table has break points, refer to page 24 of this manual.) A) Press the RANK key. B) Enter tax rate. (Example: For 6% enter "6", 5.75% enter "5.75".) C) Press the appropriate department key. D) Repeat step B) and C) to set other department key. E) Press the RONK key to end tax programming. Note: In case of setting the wrong tax rate to the key, please enter and press those department keys above, and quit this procedure by pressing RoNK key, and start from the beginning of this procedure. Please start with the department 2 key (taxable department). Department 1 key is initialized as non taxable. Example 1: Set state tax 4% to department 2, 3 key. REXAMPLE 2: Set state tax 5% to department 2 and 7% to department 3 key. REXAMPLE 2: Set state tax for to department 3 key. REXAMPLE 2: Set state tax rate and press dept key. REXAMPLE 3: Enter tax rate and press dept key. To end the setting.	Setting the tax rates

4. Basic Operation after Basic Programming

Note:

Whenever an error is generated, the input figures reset to 0. All printout samples are journal images and the header (date, time and consecutive no.) are eliminated from the samples.



Department No./Unit Price

Taxable Subtotal

Cash Amount Tendered

- Change Amount Due

Subtototal

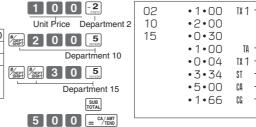
Tax



4-2 Basic operation

Example

Unit Price	\$1.00	\$2.00	\$0.30	
Quantity	1	1	1	
Dept.	2 10		15	
Cash				
Amount		\$5.00		
tendered				



Cash amount tendered

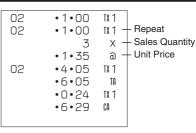
Departments 6 through 10, 11 through 15, 16 through 20 can also be registered in combination with the left and 1, 2, 3, 4 or 5 keys, respectively. The key should be entered just before entering unit price manually.

4-3 Multiple registration on the same items

Example

Unit Price	\$1.00	\$1.35
Quantity	2	3
Dept.	2	2





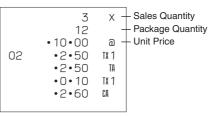
Note that repeated registration can be used with unit prices up to 6 digits long.

4-4 Split sales of packaged items

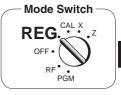
Example

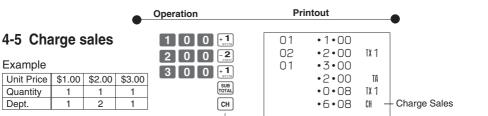
Unit Price	12\$10.00
Quantity	3
Dept.	2





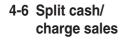






Charge key

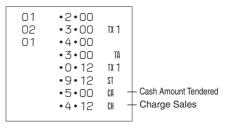
You cannot perform the amount tendered operation using the GH key.





Unit Price	\$2.00	\$3.00	\$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash			
Amount		\$5.00	
tendered			





4-7 Corrections

Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

4-7-1 Before you press a department key

Example

 Entered 400 for unit price by mistake instead of 100.

key clears the last item entered.

СН

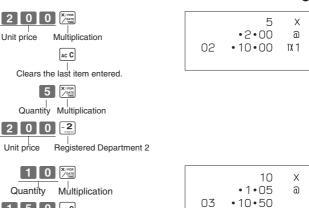


QUICK START OPERATION Part-1

Operation

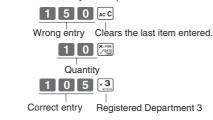
2. Entered unit price first instead of quantity and then pressed X/FOR OATE.





Printout

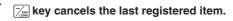
3. Entered 150 for unit price by mistake instead of 105.



4-7-2 After you pressed a department key

Example

- 1. Entered unit price 550 by mistake instead of 505 and pressed a department key.
- 2. Entered unit price 220 by mistake instead of 230 and pressed a



5 5 Wrong entry

Cancels the last item registered.

5 0 5 1

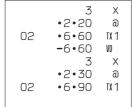
Registered Department 1 Correct entry

- department key.
- 3 X/FOR Quantity Multiplication 2 2 0 -2 Wrong entry

Cancels the last item registered.

Registered Department 2 Correct entry

01	•5•50 •5•50 •5•05	VD

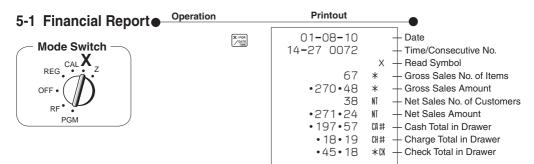


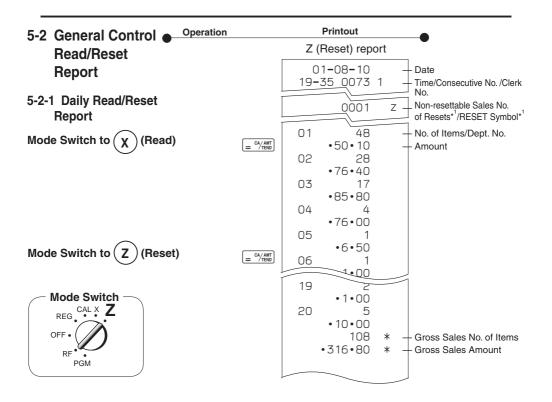
5. Daily Management Report

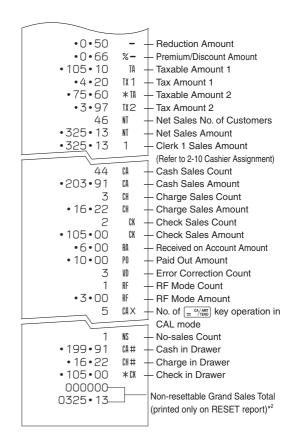
This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

Important

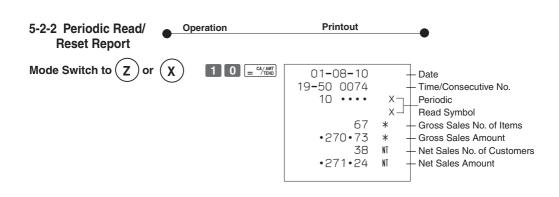
Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.







^{*} X (Read) report is the same except *1 and *2.





CONVENIENT OPERATION

1. Various Programming

1-1 Unit price for Departments



Unit Price	\$1.00	\$2.20	\$11.00	
Dept.	1	2	3	

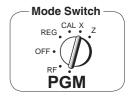
1 SUB TOTAL

P appears in mode display

1 0 0 + 1 (For Dept. 1)

2 2 0 -2 (For Dept. 2) 1 1 0 0 × 3 (For Dept. 3)

SUB



•Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate 2.5%



P appears in mode display

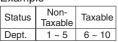


(To end the setting)

•The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

Example



Tax status for the Departments are fixed as follows:
Department 2: Taxable status 1.
Departments 1, 3~20: Non-Taxable status.

SUB TAX PGM

P appears in mode display



Selections

Taxable status 1

Taxable status 2

Taxable status 1 and 2

Taxable status 3

Taxable status 1, 2 and 3

Taxable status 4

Non-taxable status

Selections

Taxable status 1

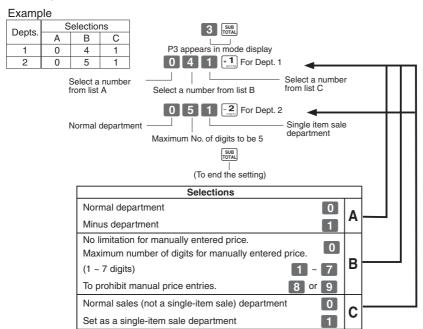
Taxable status 9

Taxable status 4

Non-taxable status

E

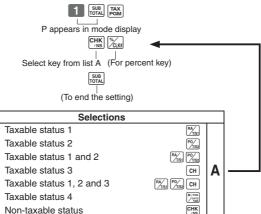
1-4 Status for Department



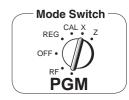
1-5 Status for percent key

1-5-1 To change taxable status for the percent key

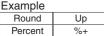
Example Change Percent key registration as a Nontaxable.

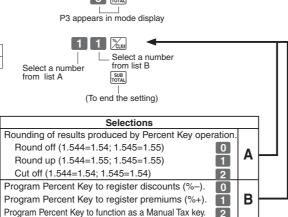


Taxable status 1 is fixed for the percent key.



1-5-2 Status for percent key



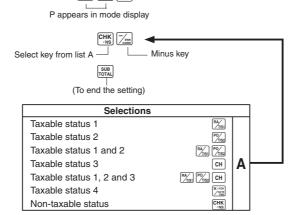


1-6 Taxable Status for minus key

Example
Change minus key registrations
Non-taxable status.

Non-taxable status is fixed for the minus key.

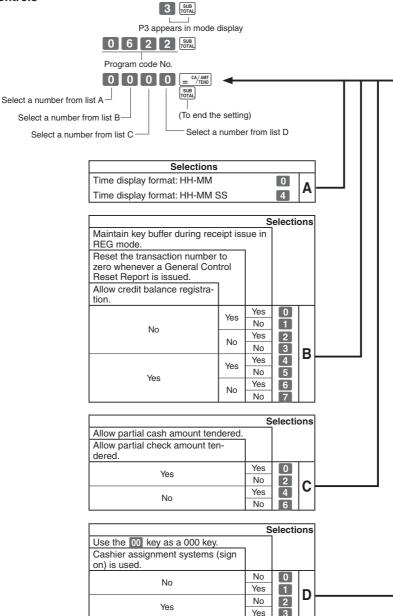
SUB TAX PGM



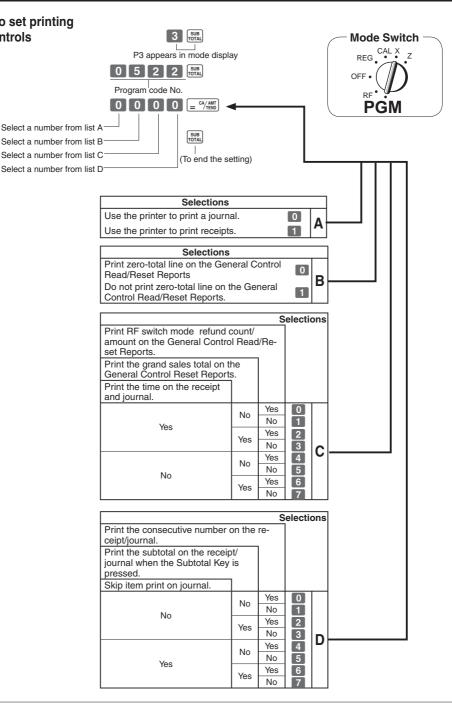
E

1-7 General features

1-7-1 To set general controls



1-7-2 To set printing controls

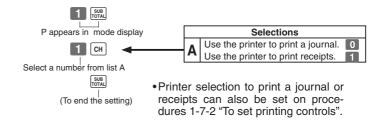


Part-2 CONVENIENT OPERATION

1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example
To print a receipt.

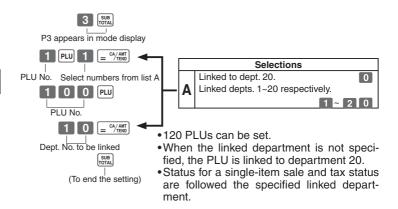


1-8 PLU setting

1-8-1 Linkage with Departments

Example

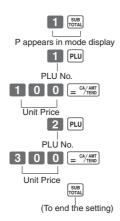
PLU No.	1	100
Link Dept. No	1	10

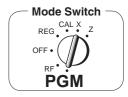


1-8-2 Unit Prices for PLUs

Example

-/						
PLU No.	1	2				
Unit Price	\$1.00	\$3.00				



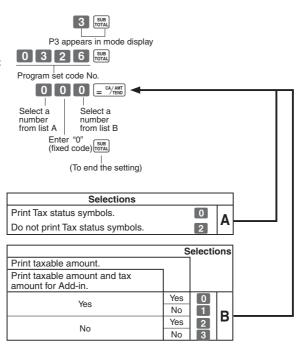


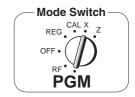
•Unit prices within the range of \$0.01~999.99.

1-9 To control Tax Status printing

Example

Print taxable amount and tax amount for Add-in.

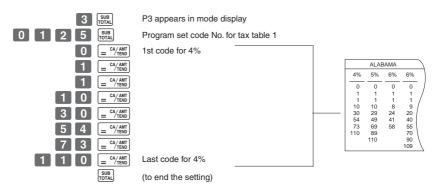




1-10 To program Tax Table

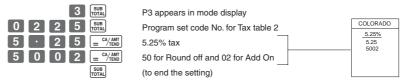
If your tax table is not a flat table (includes break points), find the tax table for your state on pages 37 through 44 of this manual. Follow the procedures below to set the tax tables.

Example 1: Set Alabama state tax 4%.



Note: If your table has break points, set it to this table (tax table 1).

Example 2: Set Colorado state tax 5.25%.



- This sample programming can set only tax rate, but not for a tax break point.
- You can set tax table 3 and 4 by the set code No. 0325 (for table 3) and 0425 (for table 4)

Tax status for the Departments and function keys are fixed as follows:

Department 2: Taxable status 1.
Departments 1, 3~20: Non-Taxable status.
Percent key: Taxable status 1.
Minus key: Non-Taxable status.

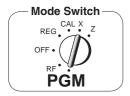
• See page 17 (department key), 18 (percent key), 19 (minus key) to change the fixed tax status.

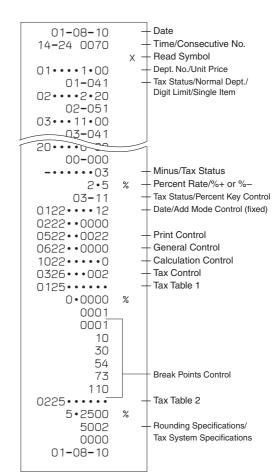
1-11 Printing to read All Preset Data

Operation Printout

= CA/AMT

1-11-1 Printing preset data except PLU settings

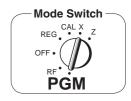




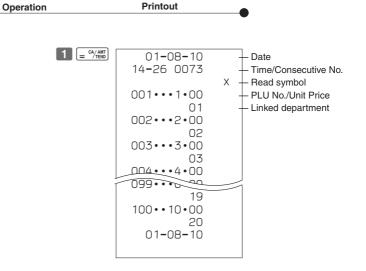
Tax Status

Printout	Meaning	Printout	Meaning	Printout	Meaning
00	Non taxable	06	Taxable 1 & 3	12	Taxable 1, 2 & 4
01	Taxable 1	07	Taxable 1 & 4	13	Taxable 1, 3 & 4
02	Taxable 2	08	Taxable 2 & 3	14	Taxable 2, 3 & 4
03	Taxable 3	09	Taxable 2 & 4	15	All taxable
04	Taxable 4	10	Taxable 3 & 4		
05	Taxable 1 & 2	11	Taxable 1, 2 & 3		

Part-2 CONVENIENT OPERATION



1-11-2 Printing preset PLU settings

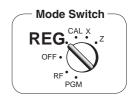


Part-

2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 17)



	3	13-	Оре	eration		Printout	•
Example Unit Price Quantity Depts. Amount Tendered	\$1.00 1 1	\$2.20 2 2 \$50.00	\$11.00 4 3	1 2 2 2 2 2 2 2 2 2	01 02 02 03	•1•00 •2•20 •2•20 •4 •11•00 •44•00 •0•18 •49•58 •50•00 •0•42	Unit Price TX 1 — Unit Price TX 1 — Repeat X — Multiplication Symbol Unit Price TA TX 1 ST CA — Cash Amount Tendered CG — Change

2-2 Single-Item Sales

(Programming: See page 18)

5 0 × 3

Example 1

	•
Status	Single item sale
Unit Price	\$0.50
Quantity	1
Dept.	3

03 • 0 • 50 • 0 • 50 CA — Cash Sales

For this example, Dept. 1 is programmed for a single-item-sale. (Programming: See page 23.)

 Example 2

 Status
 Normal
 Single item sale

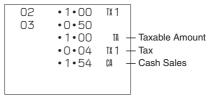
 Unit Price
 \$1.00
 \$0.50

 Quantity
 1
 1

3

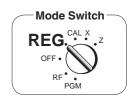
Dept.





Single-item sale cannot be finalized if an item is registered previously.

Part-2 CONVENIENT OPERATION



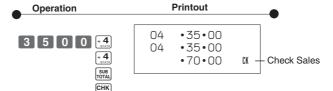
2-3 Check Sales

Example

Unit Price

Quantity

Depts.

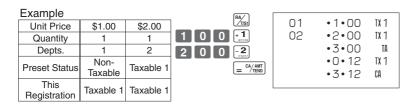


2-4 Change the Tax Status

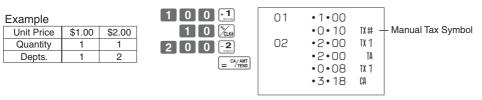
\$35.00

2

4



2-5 Manual Tax



key is programmed to function as a Manual Tax key (see page 19).

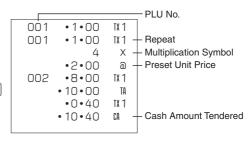
2-6 PLU operation

(Programming: See page 23)

Example

PLU No.	1	2	
Unit Price	\$1.00	\$2.00	
Quantity	2	4	
Link Dept. No.	2	2	
Cash Amount	01	10	
tendered	\$10	0.40	





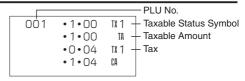
2-7 PLU Single-Item Sale

(Programming: See page 22)

Example

1
Single item sale
\$1.00
1





- For this example, linked department 1 is programmed for a single-item-sale.
- · Single-item sale cannot be finalized if an item is registered previously.

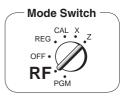
2-8 Split cash/ check sales

Example			
Unit Price	\$30.00	\$25.00	
Quantity	1	1	
Depts.	2	3	
Cash Amount	\$20.00		
tendered	φ20).00	
Check	\$36	5.20	

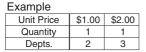
3	0	0	0	- 2
2	5	0	0	× 3
				SUB

02	•30•00	TX 1
03	•25•00	
	•30•00	TA
	•1•20	TX 1
	•56•20	ST
	•20•00	CA
	•36•20	CK

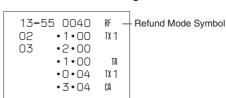
Part-2 CONVENIENT OPERATION











Printout

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

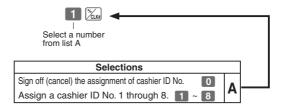
2-10 Cashier Assignment

(Programming: See page 20)

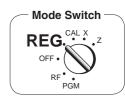
 Mode Switch-In any mode
 REG, RF, CAL, X or Z,
 except PGM

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 20, you can get 8 cashiers (or clerk) sales data.

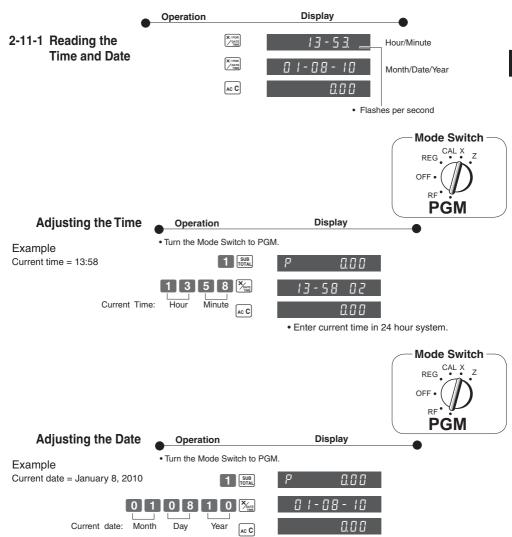
Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.



- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- •The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- •The assigned cashier (or clerk) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.



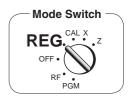
2-11 Other registrations



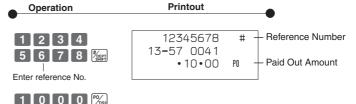
• Enter current date in 6 digits.

• Enter the last 2 digits for year set. (2010 → 10)

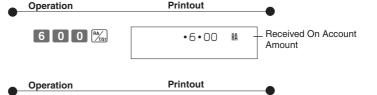
Part-2 **CONVENIENT OPERATION**



2-11-2 Paid out from cash in drawer



2-11-3 Cash received on account



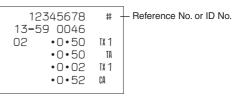
Printout

2-11-4 Registering identification numbers

A reference number or ID number of up to 8 digits can be registered prior to any transaction.

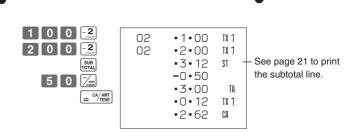


Operation



2-11-5 Reduction on subtotal

Example Amount due reduced by \$0.50.



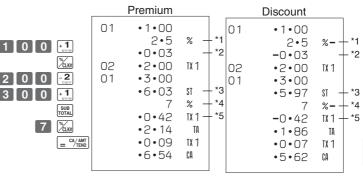
Printout

2-11-6 Premium/ Discount

- •2.5% premium/discount (programmed to Key) applied to first item.
- •Be sure to use [SUB] key when you wish to apply a premium/ discoung to the subtotal.

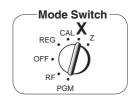
3 0 0

- •7% premium/discount applied to transaction total.
- •For programming the Kuk key as percent minus or percent plus, see page 19.
- •For programming percent rate, see page 17.

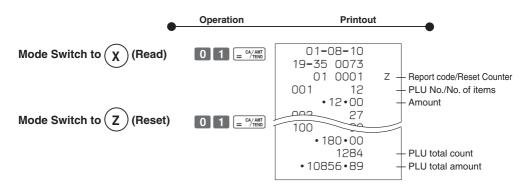


- *1 Premium/ Discount Rate
- *2 Premium/ Discount Amount
- *3 Subtotal
- *4 Premium/ Discount Rate
- *5 Premium/ Disount Amount

2-12 PLU report







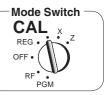


CALCULATOR FUNCTION

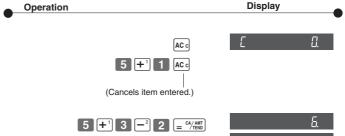
Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.



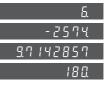


1-1 Calculation examples









•10•00

•20•00 •30•00

•10•00

•10•00

• 10 • 00

•0•00

ST

CA

CA

CA

CG

1-2 Memory recall

Recalls the current amount onto the display.

- during registration:
- current subtotal
- registration has been completed: the last amount

On REG mode



On CAL mode

Example

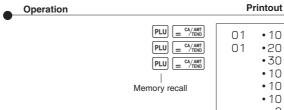
Divide the current subtotal \$30.00 at REG mode by 3 (to divide the bill between 3 people).

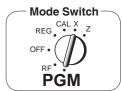
Memory recall Recalls the current result by pressing = "/AMT key at CAL mode on the display.

On REG mode

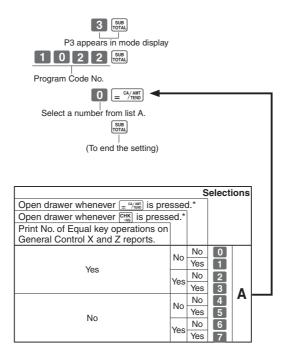
Example

Recall the current result at CAL mode during registration, and register the cash amount due for each person.





1-3 Setting for calculator operation



^{*}Drawer does not open during registration procedures even if you press = (A/AMT) or (PIMS) by turning the mode switch to CAL position.



USEFUL INFORMATION

1. Troubleshooting

	Symptom/Problem	Most common causes	Solutions		
1	E01 appears on the display.	Changing modes without completing transaction.	Return mode switch to where it stops buzzing and press = CA/AMT.		
2	E08 appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press 1 ~ 8 and then %		
3	E94 appears on the display.	Printer paper is jammed.	Remove jammed paper. Turn Mode switch to OFF then turn to ON, or Turn power OFF and then turn power ON.		
4	No date on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.		
5	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.		
6	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.		
7	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries and program again.		
8	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.		

Note: If you cannot resolve your difficulty, please feel free to call your dealer or 1-800-638-9228.

2. Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)

Display (LED): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats

PRINTER

Journal: 14 digits (Amount 10 digits, Symbol 3 digits)

(or Receipt) Automatic paper roll winding (journal)

Paper roll: 58 mm \times 80 mm \varnothing (Max.)

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CALCULATOR FUNCTION

8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:

The effective service life of the memory protection batteries 3 (UM-3, or R6P (SUM-3) type

batteries) is approximately one year from installation into the machine.

Power source/Power consumption: See the rating plate. Operating temperature: 32°F to 104°F (0°C to 40°C)

Humidity: 10 to 90%

Dimensions: $7_{3/8}$ "(H)×13"(W)×14 $_{3/16}$ "(D) with S drawer

(188 mm(H)×330 mm(W)×360 mm(D))

Weight: 9 lbs (4 kg) with S drawer

Specifications and design are subject to change without notice.

Tax Tables for USA

	ALABAMA								
4%	5% 6% 6% 6% 7%								
				(4+1+1)					
0	0	0	0	0	0	0			
1	1	1	1	1	1	1			
1	1	1	1	1	1	1			
10	10	8	9	10	7	6			
30	29	24	20	20	21	18			
54	49	41	40	36	35	31			
73	69	58	55	54	49	43			
110	89		70	70	64	56			
	110		90	85	78	68			
			109	110	92	81			
					107	93			
						106			

	ALASKA								ΙГ	ARIZONA		
		HOMER/					KENAI,SEWARD			lГ	4%	5%
KENAI		SELDOVIA	HAINES	JUNEAU	KE	NAI	& SOLDOTNA					
2%	3%	3%	4%	4%	5	%	5%	6	%		0	0
						₩			₩		1	1
0	0	0	0	0	0	177	0	6	159		1	5
1	1	1	1	1	1	184	1	2	179		12	10
1	4	4	2	1	6	218	1	29	199		37	27
25	34	25	19	12	13		9	29	219			47
75	49	34	37	37	25		29	49	239			68
	83	75	62		46		49	69	259			89
	116	127			75		69	89	259			109
	150	155			79		89	109	279			
	183	177			118		109	109	300			
	216	227			127			129				
					151			159		Ш		
					L				J	١L		

1
1

ARIZONA									
6	%	6.5%		6.7	7%	6.8%	7%		
	₩		₩		•				
0	175	0	♦ 161	0	156	6.8	0		
1	191	1	176	1	171	5002	1		
9		7	192	7	186		1		
10		7	207	7	201		7		
22		23	223	22	216		21		
39		38	238	37	231		35		
56		53	253	52	246		49		
73		69	269	67	261		64		
90		84	284	82	276		78		
107		99	299	97	291		92		
125		115		111			107		
141		130		126					
158		146		141					

								C	
			AR	KANS	AS				_
6	3%	4%	5%	6%	6.8%	7%	7.5%		
	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	6	9
	1	1	1	1	2	1	2		Ī
	14	12	10	8	6	7	6	0	
	44	37	20	24	19	21	19	1	
	74		40	41	33	35	33	7	
5	114		60	58	46	49	46	10	
9			80			64		22	
ļ			110			78		39	
3						92		56	
2						107		73	
7								90	
								108	
								124	

			CA	LIFOR	RNIA		
%							
	6	%	6.25%		6.5%		6.75%
١		₩			•	₩	
١	0	141	0	0	130	299	6.75
١	1	158	1	1	146		5002
:	7		7	7	161		0
:	10		10	10	176		10
١	22		21	20	192		20
١	39		37	35	207		34
١	56		54	51	223		48
١	73		70	67	238		64
١	90		86	83	253		80
١	108		103	99	269		96
١	124		119	115	284		111
١	∟						

					CA	LIFOF	RNIA					
											LOS A	NGELS
											10	1%
	7%		7.2	5%	7.25%	7.5%	7.75%	8.25%	8.	5%	PARI	KING
	₩	₩		₩						*		₩
0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99
1	135	292	5002	131	5002	1	5002	5002	1	111	1	99
8	149	307	0			3			1	123	11	104
10	164		10			6			5	135	99	114
20	178		20			19			17	147	99	124
33	192		32			33			29	158	99	134
47	207		46			46			41	170	99	144
62	221		60			59			52	182	99	154
76	235		74			73			64	194	99	
91	249		88						76	205	99	
107	267		103						88		99	

				COLO	RADO)			
S									
	1.5%	2%	2.5%	3%	3.5%	3.	6%	3.85%	4%
							₩		
	0	0	0	0	0	0	264	0	0
	1	1	1	1	1	1	291	1	1
	1	1	1	3	2	5	319	2	2
ŀ	33	24	19	17	17	17	347	16	17
ŀ	99	74	59	49	42	41	375	37	37
ŀ	166			83	71	69		63	62
ŀ	233			116	99	97			
ŀ				149	128	124			
ŀ				183	157	152			
-					185	180			
					214	208			
					242	236			
-									

										CC	LOR	ADO										
			LOVELAND																			
4.	5%	5%	5%	5.25%	5.5	5%	5.6	6%	5.7	5%	6%	6.1%	6.35%	6.4%	6.45%	6.	5%	6.6%	7	%	7.01%	7.1%
	₩					₩		₩		₩							₩			₩		
0	211	0	0	5.25	0	172	0	168	0	165	0	6.1	6.35	6.4	6.45	0	146	6.6	0	135	7.01	7.1
1	233	1	1	5002	1	190	1	186	1	182	1	5002	5002	5002	5002	1	161	5002	1	149	5002	5002
5	255	2	1		6	209	7	204	8	199	2	0		0	0	2	176		4		17	
17	277	17	18		17	227	16	222	17	217	17	17		17	17	17	192		17		21	
33	299	29	18		27	245	25	240	26		24					23	207		21		35	
55		49	51		45	263	43		43		41					38	223		35		49	
77			68		63	281	61		60		58					53			49		64	
99			84		81	299	79		78		74					69			64			
122			118		99		97		95							84			78			
144					118		115		113							99			92			
166					136		132		130							115			107			
188					154		150		147							130			121			
																L						

													D							F			
		CO	LOR	ADO				C	ONNI	ECTIC	UT			DIST	RICT	OF CO	DLUME	BIA			FLO	RIDA	
							5.2	25%	6%	7%	7.5%	8%	D.C.	D.C.	D.C.	D.C.	D.C.	D	.C.				
7.5	2%	7.25%	7.	3%	7.5%	8%		*					5%	5.75%	6%	6%	8%	9	%				
	·			₩			0	198	0	0	0	0							rv l				
0	131	7.25	0	130	0	0	1	218	1	1	1	1	0	5.75	0	0	0	0	105	4	%	5%	5.25%
1	145	5002	1	143	1	1	2		2	1	3	1	1	5002	1	1	1	1	116		_▲		₩
2	159		3	157	3	1	16		8	7	6	6	1	0	1	1	1	6	127	0	175	0	5.25
17	173		6	171	17	6	27		24	21	19	18	10	8	12	8	12	6	138	1	209	1	5002
20	187		20		19	18	46		41	35	33	31	22		17	24	16	16	149	5		1	
34	201		34		33	31	65		58	49	46		42		35	41	27	27	161	9		9	
48	215		47		46	43	84		74	64	56		62		53	58	39	38		25		20	
62	229		61		59	56	103		91	78	73		82		71	74	50	49		50		40	
76	243		75		73	68	122		108	92			110		89	91	62	61		75		60	
90	256		89			81	141		124	107					112	108	75	72		109		80	
104			102			93	160										90	83		125		109	
118			116			106	179										112	94		150			
			L]			L	J										∟]				l

								G					H							
			FLO	RIDA					G	EORG	IA		HAWAII			I	DAHC)		
		PAN	ANA					3%	4%	5%	6%	7%	4%	3%	4%	4.	5%	5%	6	%
		CI	TY					0	0	0	0	0	0				₩			rv l
		BEA	ACH					1	1	1	1	1	1 1	0	0	0	227	0	0	170
6%	6.2%	6.5	5%	7	%	7.	5%	1	1	1	1	1	1	1	1	1		1	1	
			Tv │		₩		rv l	10	10	10	10	7	12	1	2	2		2	2	
0	6.2	0	107	0	109	0	93	35	25	20	20	21	37	15	11	15		11	11	
1	5002	1	123	1		1	106	66	50	40	35	35		42	32	27		25	20	
1		1	138	1		1	120	110	75	60	50	49		72	57	49		45	37	
9		9	153	9		9	133		110	80	67	64		115		71			53	
16		15	169	14		13	146			110	85	78				93			70	
33		30	184	28		26	160				110	92				115			87	
50		46	209	42		40	173					107				137			103	
66		61		57		53	186									160			120	
83		76		71		66	209									183			137	
109		92		85		80										205			153	
]														L	

						ILLII	NOIS									II.	NDIAN	Α			10\	WA
1%	1.25%	2%	5%	6%	6.25%	6.5	5%	6.75%	7%	7.5%	7.75%	8%	8.75%				MARION	RESTAU-			4%	5%
							*										County	RANT			0	0
0	0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75	1%	4%	5%	5%	6%	7	%	1	1
1	1	1	1	1	1	1	176	5002	1	1	5002	1	5002							·	3	1
1	1	1	6	1	1	1	192		1	1	0	1	0	0	0	0	0	0	0	121	12	9
49	39	24	12	8	7	7	207		8	6	6	6	5	1	1	1	1	1	1	135	37	29
148	119	74	25	24	23	23			22	19		18		1	2	1	2	1	7	149	50	
			46	41		38			36	33		31		49	15	9	15	9	7	164	75	
			67	58		53			50	46				148	37	29	37	29	20	178		
			88			69			65						62		49	49	35	193		
			109			84			79								62	49	49			
			129			99			93								87	69	64			
						115			108								112	89	78			
						130											137	109	92			
						146													107			
						L													L			

OWA											K	ANSA	S										
6%	2.5%	3%	3.1%	3.2	25%	3.5%	3.7	75%	4%	4.1%	4.5%	5%	5.25%	5.	5%	5.65%	5.9%	6%	6.15%	6.4%	6.5%	9.	5%
0					Ī₩			₩							*								₩
1	0	0	3.1	0	323	0	0	279	0	4.1	0	0	5.25	0	190	5.65	5.9	0	6.15	6.4	6.5	0	110
1	1	1	5002	1	353	1	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002	1	121
8	1	1	0	1	384	1	1	333	1	0	1	1		1		0	0	7	0	0	0	1	131
24	19	16	16	15	415	14	13	359	12	12	11	9		9		8	8	8	8	7	7	5	142
11	59	49		46		42	39	386	37		33	29		27				24				15	152
58	99	83		76		71	66	413	62		55			45				41				26	163
74	139	116		107		99	93		87		77			63				58				36	173
91	179			138		128	119		112		99			81				74				47	184
08				169		157	146				122			99				91				57	194
				199		185	173				144			118				108				68	
				230			199				166			136				124				78	
				261			226				188			154				141				89	
				292			253				211			172				158				99	
							l ∟																

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KANSAS	KENT	UCKY					I	LOUIS	IANA	ı						MAINE			MAF	RYLAND	
10%	5%	6%	2%	3%	4%	4.5%	5%	6%	6	%	7%	7.5%	8%	9%	5%	6%	7%			Meals Tax	
	0	0								₩					0	0	7	4%	5%	5%	6%
0	1	1	0	0	0	0	0	0	0	161	0	0	0	0	1	1	2	0	0	0	0
1	6	2	1	1	1	1	1	1	1	176	1	1	1	1	1	1	0	1	1	1	1
1	10	8	2	2	2	1	6	2	17	192	1	2	7	1	10	9	7	2	2	7	3
4	25	24	24	16	12	11	10	8	7	207	7	6	4	5	20	16	21	24	19	99	19
14	46	41	74	49	37	33	27	24	23	223	21	19	16	16	40	33	35	25	20	99	20
24	67	58	124	82	62	55	47	41	38	238	35	33	29	27	60	50	49	50	40	99	33
34	88	74	174	116	87	77	67	58	53	253	49	46	42	38	80	66	64			99	50
44	109		224	149	112	99	87	74	69	269	64	59	55	49	110	83	78			99	66
54	129					122	109		84	284			67	61		109	92			100	83
64						144	129		99	299			80	72			100			120	100
74						166			115	315			93	83						140	116
84						188			130	330			106	94							
94						211			146					105							
									L	J											

MAS	SACHU	SETTS	MIC	HIGAN				MINN	ESOT	Α				N	IISSIS	SIPP	ı				MISSO	URI	
4.6	25%	5%	4%	6%	69	6	6.5	5%	7%	8.	5%	5%	6%	7%	8%	8.	5%	9%	9.25%	4.225%	4.6%	4.62	25%
	□		0	0							→						□						₩
0	227	0	1	1	c		0	161	0	0	123	0	0	0	0	0	123	0	9.25	0	0	0	227
1	248	1	7	2	1		1	176	1	1	135	1	1	1	1	1	135	1	5002	1	1	1	248
13	270	1	12	10	1		1	192	1	1	147	6	1	1	1	1	147	1	0	1	1	13	270
10	291	9	31	24	8		7	207	7	5	158	11	8	7	6	5	158	5	5	11	10	10	291
32	313	29	54	41	2	4	23		21	17	170	26	24	21	18	17	170	16		35	32	32	313
54	335		81	58	4	1	38		35	29	182	47	41	35	31	29	182	27		59	54	54	335
75	356		108	74	5	3	53		49	41	194	68	58	49	43	41	194	38		82	76	75	356
97	378		135	91	Ш		69		64	52	205	88	74	64	56	52	205	49			97	97	378
118	399		162	108	Ш		84		78	64		109	91	78	68	64		61				118	399
140	421		187	124	Ш		99		92	76		129	105	92	81	76		72				140	421
162	443						115		107	88				107	93	88		83				162	443
183					Ш		130			99					106	99		94				183	
205					Ш		146			111						111		105				205	
L																L	J						

											MISS	SOURI												
4.725%	4.75%	4.8%	4.9	75%	5.05%	5.1%	5.225%	5.6	6%	5.625%	5.725%	6.1%	6.22	25%	6.3	3%	6.4	25%	6.47	75%	6.5	5%	6.725%	7.225%
				₩					₩					*		₩		₩		₩		•		
0	0	0	0	211	0	0	5.225	0	187	0	5.725	0	0	168	0	166	0	163	0	162	0	160	6.725	7.225
1	1	1	1		1	1	5002	1	205	1	5002	1	1	184	1	182	1	178	1	177	1	175	5002	5002
4	3	3	1		5	1		15	223	1		1	2	200	8	198	1	194	13	193	9	190		
10	10	10	10		9	9		8	241	8		8	8	216	7	214	7	210	7	208	7			
31	22	31	30		19	29		26	258	26		24	24	232	23	230	23	225	23	223	22			
52	43	52	50		39	49		44	276	44		40	40	248	39	246	38	241	38	239	38			
74	65	72	70		59	68		62	294	62		57	56	265	55		54	256	54	254	53			
95	86	93	90		79	88		80	312	79		73	72		71		70	272	69	270	68			
116	107	114	110		98	107		98	330	97		90	88		87		85	287	84	285	83			
137	128	135	130		118			115	348	115			104		103		101		100	301	99			
158	149	156	150		138			133	366	133			120		119		116		115	316	114			
179	170	177	170		158			151	383	151			136		134		132		131	332	129			
201			190		178			160		168			152		150		147		146		145			
			L												Ш		L		L					

				NEE	BRASI	(A									N	EVAD	Α				
3%	3.5%	4%	4.	5%	5%	5.	5%	6%	6.5	5%	3%	3.5	5%	5.75%	6%	6.2	5%	6.5	5%	6.75%	7%
				4			4			T♥			₩				₩		₩		
0	0	0	0	233	0	0	190	0	0	161	0	0	299	5.75	0	0	167	0	161	6.75	0
1	1	1	1	255	1	1	209	1	1	176	1	1	326	5002	1	1	183	1	176	5002	1
3	3	2	6	277	2	2	227	1	1	192	2	6	357		2	2	199	1	192	0	1
16	14	14	14	299	14	14		8	7	207	14	14			8	7	215	7	207	7	7
49	42	37	33	322	29	27		24	23		49	38			24	23		23		22	21
83	71	62	55		49	45		41	38		83	64			41	39		38		37	35
116	99		77			63		58	53		116	88			58	55		53			49
149	128		99			81			69		149	118			74	71		69			64
183	157		122			99			84			157				87		84			78
	185		144			118			99			185				103		99			92
	214		166			136			115			214				119		115			107
	242		188			154			130			242				135		130			
	271		211			172			146			271				151		146			
			l∟								1										

Г		NE	W HA	MPSH	IIRE		NEW	JERS	SEY							NE	W ME	XICO					
Γ			Rooms	& Meals	Rooms & Meals	3%	3.5%	6%	7	%	3.7	5%	4.2	15%	4.37	75%	4.5%	4.875%	5.175%	5.2	5%	5.375%	5.575%
L	7	%	7	%	8%					┌┰		-		T₩		₩					Ū		
Г		₩		·		0	0	0	0	150	0	280	0	247	0	239	0	4.875	5.175	0	199	5.375	5.575
	0	129	0	128	0	1	1	1	1	164	1	306	1	270	1		1	5002	5002	1	217	5002	5002
	1	143	1	142	1	1	1	1	8	178	6	333	1	294	4		1			11			
	8	158	8	157	4	17	14	10	10	192	13	359	11	317	11		11			9			
-	14	172	35	171	35	41	42	22	21	207	40		35	341	34		33			28			
12	26	186	35	185	35	71	71	38	35		67		58	364	57		55			47			
;	39	201	38	200	35	117	100	56	50		93		82	388	79		78			66			
!	51		50		37		128	72	64		120		105	411	102		100			85			
1	63		62		50		157	88	78		146		129		125		122			104			
1:	75		74		62		185	110	92		173		152		148		144			123			
18	88		87				214		107		200		176		171		167			142			
1	01		100						121		226		199		194		189			161			
1	15		114						135		253		223		217		211			180			
L			L						<u> </u>	J		J	L	J						L	l		

NE\	N MEX	(ICO										NEV	V YOF	RK									
5.75%	6.187%	6.1875%																		SUF	FOLK		
																		EF	RIE	Cou	unty		
5.75	0	6.187	4%	5%	5.25%	5.75%	6	%	6.25%	6.	5%	6.75%	7	%	7.25%	7.	5%	8	%	8	%	8.25%	8.5%
5002	1	5002						—			□•			-			-		-		-		
	4	0	0	0	5.25	5.75	0	141	0	0	130	6.75	0	121	7.25	0	113	0	105	0	106	8.25	8.5
	9	8	1	1	5002	5002	1	158	1	1	146	5002	1	135	5002	1	126	1	119	1	118	5002	5002
	23		5	6			7		7	1	161		8	149		8	139	10	131	9	131		
	40		12	10			10		10	7	176		10	164		10		10	144	10			
	56		33	27			22		22	23	192		20	178		18		17		17			
	72		58	47			38		38	38	207		33	192		31		29		29			
	88		83	67			56		54	53			47	207		45		42		42			
	104		112	87			72		70	69			62			58		55		54			
	120		137	109			88		86	84			76			71		67		67			
	136			129			108		103	99			91			85		80		79			
	153						124		119	115			107			99		92		92			
										[_			🗀			L		L					

																				0			
			NORT	Н СА	ROLINA							1	NORT	H DA	KOTA						OH	-IIO	
					CHEROKEE				3%	4%	4%	5%	5.5	5%	6%	6.	5%	7%	8%				
					Reservations									₩			□₩						
3%	4%	4.	5%	5%	6%	6%	6.	5%	0	0	0	0	0	182	0	0	170	0	0	5%	5.5	5%	5.75%
			₩					₩	1	1	1	1	1	200	1	1	185	1	1			—	
0	0	0	188	0	0	0	0	130	3	5	2	2	2	219	3	2	200	2	3	0	0	146	5.75
1	1	1	211	1	1	1	1	146	15	15	15	15	15		15	15	216	15	15	1	1	164	5002
4	5	6	233	6	2	2	1	161	33	31	25	20	19		17	31	231	15	15	2	2	182	
9	9	9	255	8	10	8	7	179	67	51	50	40	37		34	47		29	25	15	15	200	
35	29	25	277	23	24	24	22	192	100	71	75		55		50	62		43	38	20	18	218	
70	59	53	299	48	41	41	38	207	133	100	100		73		67	77		58	50	40	36		
116	84	75	322	67	58	58	53		166	125	125		91		84	93		72	63		54		
149	112	95		85	74	74	69		200				110			108		86	75		72		
183	137	122		109		91	84						128			124		100	88		90		
216		144		129		108	99						146			139		115	100		109		
		166				124	115						164			154					127		
		l ∟	J				<u> </u>	J						J		l ∟]	

						OH	1IO											01	KLAHO	AMC				
	ME	IGS								CUYA	HOGA			2%	3%	3.2	25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%
	С	0.								С	Ю.						-							
6%	69	%	6.25%	6.5	5%	6.7	5%	7	%	7	%	7.35%	7.75%	0	0	0	323	0	4.25	0	0	5.25	0	0
	- 1	₩			□v		₩		₩		₩			1	1	1	353	1	5002	1	1	5002	1	1
0	0	134	0	0	123	0	118	0	115	0	115	0	7.75	1	1	7	384	1		2	1		1	1
1	1		1	1	138	1	133	1	128	1	128	1	5002	24	16	15	415	12		11	9		8	7
2	3		2	3	153	3	148	3		3		3		74	49	46	446	37		33	29		24	23
15	16		15	15	169	15	162	15		15		15			83	76	476			55			41	
17	17		16	15	184	15	177	15		15		15			116	107	507			77			58	
34	34		32	30	200	29	192	28		28		27				138	538			99				
50	50			46	215	44		42		42		41				169	569			121				
67	67			61	230	59		57		57		55				199	599			144				
83	83			76		74		71		71		68				230								
100	100			92		88		85		85		82				261								
117	117			107		103		100		100		96				292								

								Р			R			S							
			OKLA	HOMA	1			PENN	ISYLV	ANIA	ROHI	DE ISL	AND	SOU	TH C	AROLINA		SOUT	H DA	KOTA	
6.725%	7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%	6%	7	%	6%	7	%			CHARESTON	4%	5%	5.	5%	6%
										┍┰┈			·	4%	5%	6%				₩	
6.725	0	7.25	7.375	0	0	0	0	0	0	150	0	0	149	0	0	0	0	0	0	190	0
5002	1	5002	5002	1	1	1	1	1	1	150	1	1	164	1	1	1	1	1	1	210	1
	6		0	1	1	4	1	1	5	167	6	5	178	5	6	2	1	1	1		1
	8		6	6	6	5	4	10	10	184	9	7	192	10	10	10	12	10	10		9
	22			18	18	16	14	17	17	210	26	21	207	25	20	24	37	30	28		26
	37			31	30	27	24	34	34	217	42	35	221	50	40	41			46		43
	51				42	37	34	50	50	234	57	49	235	75	60	41			64		60
	65				54	48	43	67	50	250	73	64	249	112	80	58			82		76
	79				66	59		84	67	250	90	78	264	137	109	74			100		92
	94				78	70		110	84		106	92			129	91			118		109
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SO	UTH	DAK	OTA										TE	NNES	SEE									
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1	192	4		0	188	0	154	354	0	0	0	130	0	125	0	121	0	117	0	7.75	0	0	106	8.25
7	207	7		1	211	1	172	372	1	1	1	146	1	140	1		1	130	1	5002	1	1	118	5002
23		21		1		11	190	390	2	2	2	161	8	155	2		10	144	2		2	2		
38		35		11		10	209		10	10	10	176	10	170	10		10	158	10		10	10		
53		49		33		27	227		24	23	23	192	22	185	21		20	172	19		18	18		
69		64		55		45	245		41	39	38	207	37	199	35		34	185	33		31	31		
84		78		77		63	263		58	55	53	223	51	214	49		48		46		43	43		
99		92		99		81	281		74	71	69		66	229	64		61		59			56		
115		107		122		99	299			87	84		81	244	78		75					68		
130		121		144		119	318				99		96	259	92		89					81		
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TE	NNES	SEE											TEXAS	S									
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2	123		1	1	1	206		5002	1	5002	1	161	5002	1	155	1	151	1	1	1	5002	1	
10	135		1	1	1	230			1		12	180		1	173	1	168	1	1	1		1	
17	147		12	12	12	254			9		9	199		9	191	8		8	9	8		7	
29	158		37	37	36	278			29		28	209		27	209	26		24	25	24		23	
41	170			62	60	303			49		47			45		44		41	42	41		39	
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		1			1	5	122	1		52	326		47	295	46	45				41		27	35
		7			6	6	135	6		73	347		66	314	65	63				58		47	49
		21			19	19	148	18		94	368		85	333	83	81				74		63	64
		35			33	32	161	31		115	389		104	352	102	99							78
		49			46	45	174			136	410		123	371		118							92
		64			59	58	187			157			142	390		136							107
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	0	0	0	6	0				COUNTY					FAIF	RFAX	Mea	ls tax	Re	estaur	ant	Meal tax	Restaurant
7.25	1	1	1	5002	1		4%		4%	4.	5%	5	%	5.	5%	6.	5%		7%		7%	7%
5002	4	2	2	10	0		₩	₩			₩		₩		₩		·		₩	₩		
	13	10	10	10	18	0	214	484	0	0	188	0	169	0	149	0	124	0	114	284	0	0
	33	25	20	16	31	1	234	512	1	1	211	1		1	166	1	144	1	134		1	1
	66	50	40	33	43	21	259	537	2	5	233	1		4	188	1	166	13	149		1	1
	100		80	50	56	14	284		12	15	255	9		11	211	11	174	14	159		7	14
	133		100	66	68	34	314		37	33	277	29		14	233	24	188	29	184		21	14
	166		120	83	81	59	334		62	55	299	49		33	249	33	211	34	184		35	34
	200		140	100	93	84	359		87	77		69		55	255	55		44	214		49	59
				116	100	114	384		112	99		89		77		74		59	214		64	59
				133		134	414		137	122		109		99		77		74	234		78	84
				150		159	434			144		129		122		99		84	249		92	84
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	NEW	PORT				ROANO	KE CITY		NOR	FOLK	CITY	CITY (OF RICH	MOND			
ALEXANDRIA	NE	WS	RICHMOND	Resta	aurant	VA B	EACH		N.	leal ta	ax	F	ood ta	ax			
7.5%	7.5	5%	7.5%	8	%	8.9	5%	9%		9%			9.5%			9.5%	
7.5	0	▼ 116	0	0	▼ 114	0	▼ 99	9	0	▼ 99	¥ 211	0	▼ 89	▼ 205	0	▼ 89	▼ 209
5002	1	122	1	1	114	1	112	5002	1	99	233	1	99		1	99	
	1	144	2	5	134	1	122		6	122	233	1	110		1	109	
	11	149	6	14	134	11	137		11	122		5	121		9	122	
	16	166	19	34	159	12	144		33	144		15	131		11	129	
	33	183	33	44		33	162		44	144		26	142		29	144	
	49	188	46	44		37	166		44	166		36	152		33	149	
	55	211	59	59		55	187		55	166		47	163		49	166	
	77			59		62	188		55	188		57	173		55	169	
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W				
	WAS	HING	TON	
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0	0	▼ 131	0	▼ 129
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21	20		19	184
35	34		33	198
49	48		47	211
64	62		61	225
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92	90		88	252
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WASHINGTON												
										Combined		
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1	139	1	1	138		2	1	1	1	129	2	1
1	153	2	3	151		0	2	1	14	141	0	1
6	166	7	6	164		7	6	6	6	154	6	5
19	179	19	19	177		19	18	18	18	166	18	17
33	193	33	32	190		32	31	31	30	179	30	28
46	206	46	46	203		44	44		43	191	43	
59		59	59	217		57	56		55	203	55	
73		72	72	230		70			67		67	
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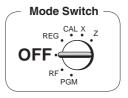
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WYOMING							
3%	4%	5%	6%				
0	0	0	0				
1	1	1	1				
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24	24	24	24				
49	37	29	24				
83	62	49	34				
116		69	51				
149		89	68				
		109	84				

▶ To replace the ink roll

- Turn to the OFF mode and remove the printer cover.
- ② Lift up the tab on the ink roll marked "PULL UP".
- ③ Install a new Ink Roll and press it down firmly but gently until it snaps into place.
- ④ Replace the printer cover onto the cash register.
- (5) Turn to the REG mode and press the





GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (Not applicable to other areas)

WARNING: 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.

FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

This product, except the battery, is warranted by Casio to the original purchaser to be free from defects in material and workmanship under normal use for a period, from the date of purchase, of one year, of one year, upon proof of purchase, the product will be repaired or replaced (with the same or a similar model) at Casio's option, at a Casio Authorized Service Center without charge for parts. Labor will be provided without charge for parts of days. The terminal resident software and programmable software, if any, included with this product or any programmable software which may be licensed by Casio or one of its authorized dealers, is warranted by Casio to the original licensee for a period of innet (90) days from the date of license to conform substantially to published specifications and documentation provided it is used with the Casio hardware and software for which it is designed.

For a period of ninety (90) days, upon proof of license, Casio will, at its option, replace defective terminal resident software or programmable software, correct significant program errors, or refund the license fee for such software. Significant program errors will be significant deviations from written documentation or specifications. These are your sole remedies for any breach of warranty. In no event will Casio's liability exceed the license fee, if any, for such software. This warranty will not apply if the product has been misused, abused, or altered.

Without limiting the foregoing, battery leakage, bending of the unit, a broken display tube, and any cracks or breaks in the display will be presumed to have resulted from misuse or abuse. To obtain warranty service you must take or ship the product, freight prepaid, with a copy of the sales receipt or other proof of purchase and the date of purchase, to a Casio Authorized Service Center. Due to the possibility of damage or loss, it is recommended when shipping the product to a Casio Authorized Service Center that you package the product securely and ship it insured. CASIO HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHATABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES RESULTING FROM MATHEMATICAL INACCURACY OF THE PRODUCT OR LOSS OF STORED DATA. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific rights, and you may also have other rights which vary from state to state

CASIO, INC.

570 MOUNT PLEASANT AVENUE, P. O. BOX 7000, DOVER, NEW JERSEY 07801 U.S.A.

Model:	Serial Number:	Date of Purchase:	
Your Name:			
Address:			
Dealer's Name:			
Address:			

