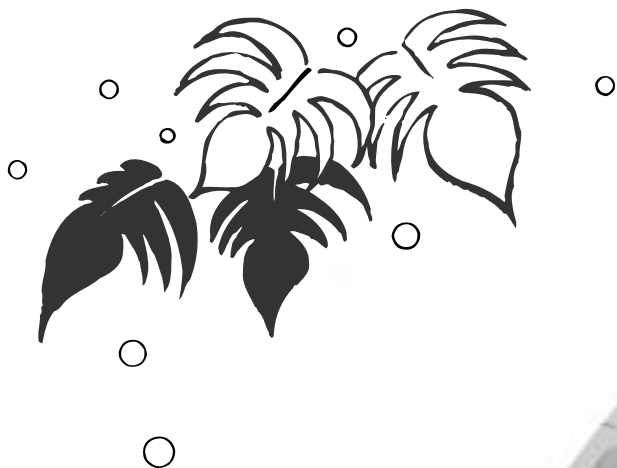


PCR-262/CE-160

Electronic Cash Register



User's Manual

START-UP is QUICK and EASY!
Simple to use!
10 departments and 100 PLUs
Automatic Tax Calculations
Calculator function

CASIO COMPUTER CO., LTD.
6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

CASIO® 


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 quick 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.

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 \bullet 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.

Warning!

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.

- Attempting to repair the register yourself is extremely dangerous. Contact CASIO service representative.

⚠ Warning!



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.



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.



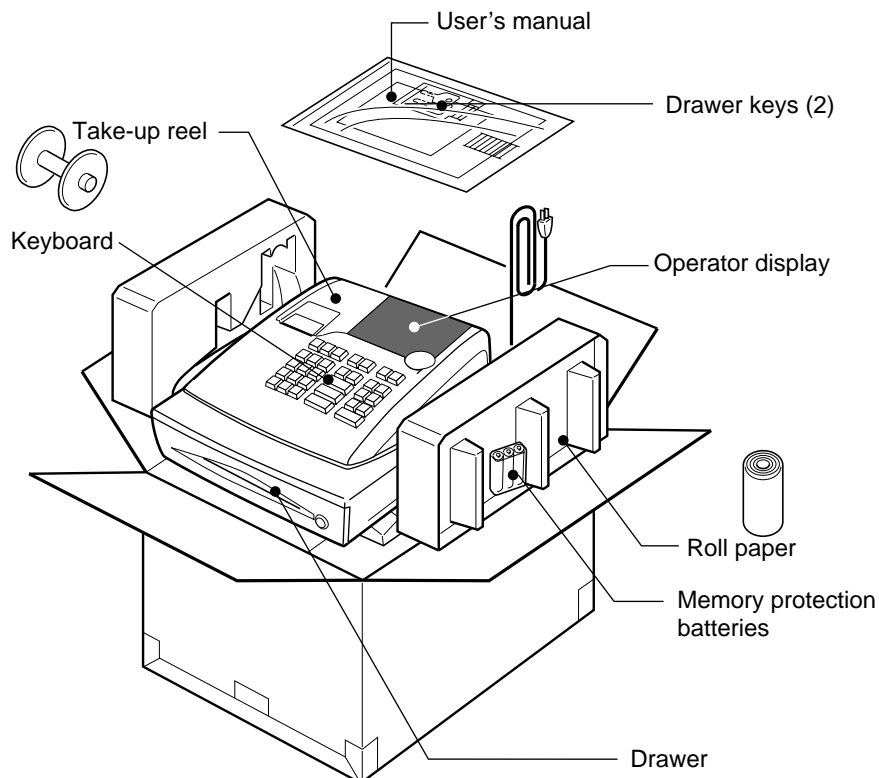
Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

Contents

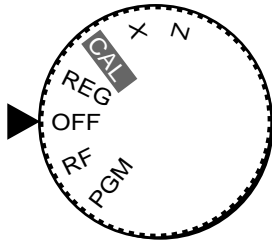
Getting to know your cash register	6
Daily Job Flow	8
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(You can operate this ECR on a basic level by reading the following sections)	
1. Initialization	9
2. Loading Paper	10
3. Basic Programming for QUICK START – TIME/DATE	11
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5. Daily Management Report	20
Part-2 CONVENIENT OPERATION	22
(Please keep these sections to expand your use.)	
1. Various Programming	22
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1. Calculator Mode	38
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Before you start

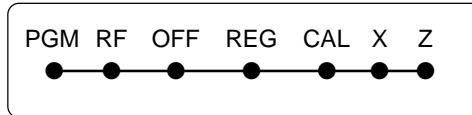
Unpacking



Getting to know your cash register



The position of the Mode Switch controls the type of operations you can perform on the cash register.



Note:

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

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.

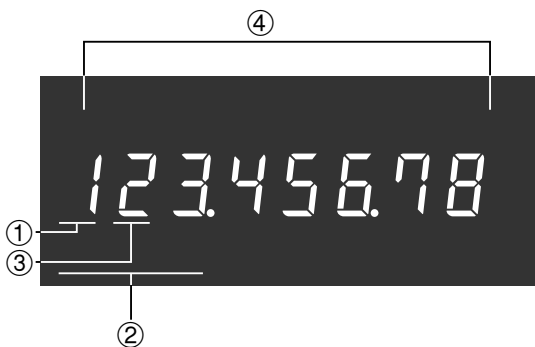
X (Read)

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

Z (Reset)

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

Anytime you perform a PLU registration, the corresponding PLU number appears here.

③ Number of Repeat Display

Anytime you perform "repeat registration" (page 17), the number of repeats appears here.

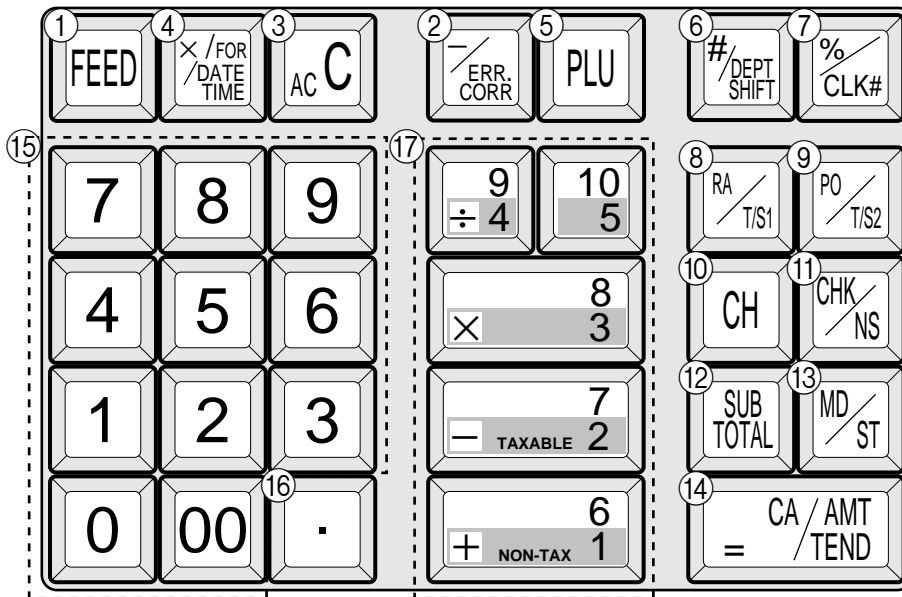
Note that only one digit is displayed for the number of repeats.

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 digits.

This part of the display can be used to show the current time or date between registration (page 35).

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 key
- ② Minus/Error Correction key
- ③ Clear key
- ④ Multiplication/For/Date Time key
- ⑤ PLU (Price Look Up) key
- ⑥ Reference Number/Department Shift key
- ⑦ Percent/Cashier ID No. Assignment key
- ⑧ Received on Account/Tax Status Shift 1 key
- ⑨ Paid Out/Tax Status Shift 2 key
- ⑩ Charge key
- ⑪ Check/No Sale key
- ⑫ Subtotal key
- ⑬ Merchandise Subtotal key
- ⑭ Cash Amount Tendered key
- ⑮ **0**, **1**, ~ **9**, **00**
Numeric keys and 2-zero key
- ⑯ Decimal key

- ⑰ **6**₊₁, **7**₋₂, **8**_{×3}, **9**_{÷4}, **10**₅

Department keys

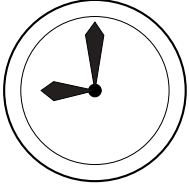
- Department 6 through 10 are specified by pressing the key respectively as follows:

- 6**₊₁ → Department 6 **7**₋₂ → Department 7
- 8**_{×3} → Department 8 **9**_{÷4} → Department 9
- 10**₅ → Department 10

Calculator Mode

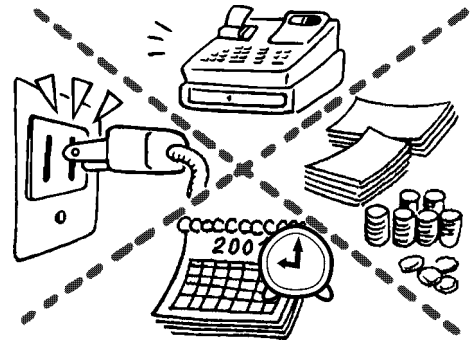
- ③ AC key
- ⑤ Memory Recall key
- ⑦ Percent key
- ⑮ **0**, **1**, ~ **9**, **00**
Numeric keys and 2-zero key
- ⑯ Decimal key
- ⑰ **+**₁, **-**₂, **×**₃, **÷**₄
Arithmetic Operation key
- ⑭ Equal key
- ⑪ Drawer Open key

Daily Job Flow



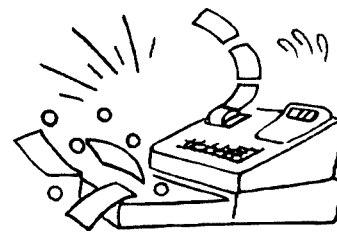
Before Opening The Store

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



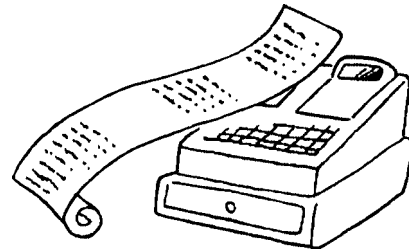
While The Store Is Open

1. Registrations.
2. Issuing latest daily sales total if needed.
(Generating report by Mode Switch to X position.)



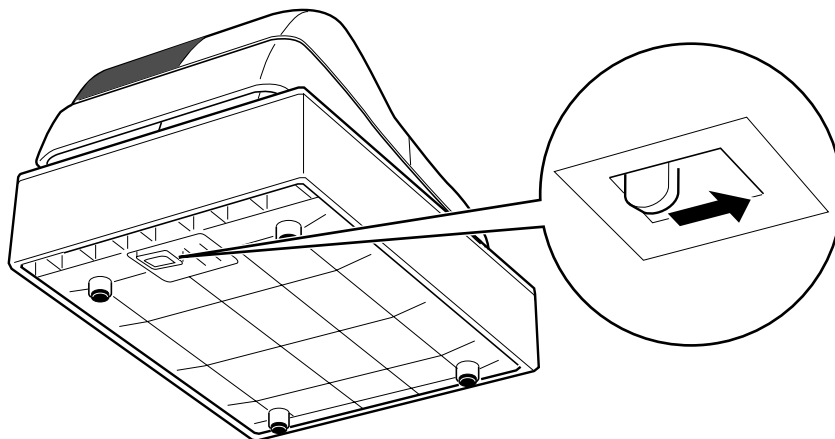
After Closing The Store

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



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.



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

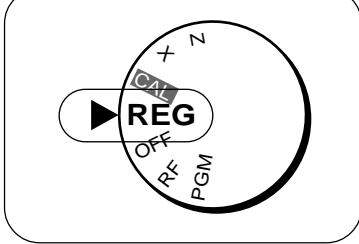
► To load the memory protection batteries

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. Slide 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.

2. Loading Paper Roll And Replacing The Printer's Ink Roll

Mode Switch to REG



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 take-up reel a few turns.



- ⑥ Set the left plate of the take-up reel and place the reel into the register.



- ⑦ Press the **FEED** key to take up any slack in the paper.
- ⑧ 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.
- ② Press the **FEED** key until approximately 20cm of the paper 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.



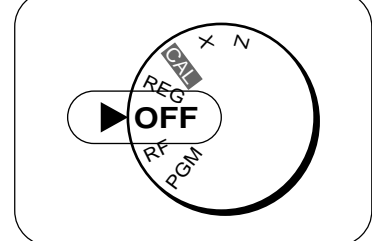
- ⑧ Load new paper following the instructions above, and replace the printer cover.

Default printer setting is for Journal.
To print receipts, please refer to 1-7-3 on page 27 to switch the printer for Receipt or Journal.

▶ To load receipt paper

- 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.

Mode Switch to OFF



▶ To replace the ink roll

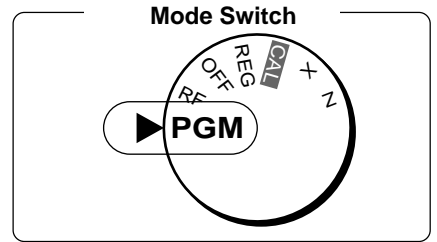
- ① Remove the printer cover.
- ② Lift up the tab on the ink roll marked "PULL UP".



- 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 Press the **CHK/INS** key to check for correct operation.

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

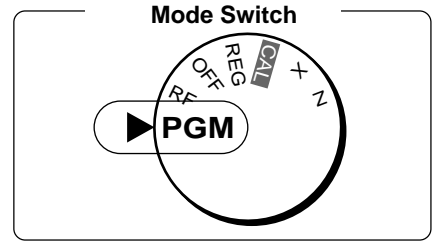
3. Basic Programming for QUICK START



Part-1

Procedure	Purpose																																												
<p>1. Turn the mode switch to PGM position.</p>	Programming																																												
<p>2. Press the following keys to set the current time.</p> <p>Example: 13:18 PM = 1318</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p>1 3 1 8</p> <p>Time Minutes</p> </div> <div style="margin-right: 10px;"> <p>1 SUB TOTAL</p> <p>X / FOR DATE TIME</p> <p>AC C</p> </div> <div> <p>P appears in mode display</p> <p>(to end the time setting)</p> </div> </div> <ul style="list-style-type: none"> • Enter 4 digits • 24-hour time format 	Setting the current time																																												
<p>3. Press the following keys to set the current date.</p> <p>Example: April 19, 2005 = 050419</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p>0 5 0 4 1 9</p> <p>Year Month Date</p> </div> <div style="margin-right: 10px;"> <p>1 SUB TOTAL</p> <p>X / FOR DATE TIME</p> <p>AC C</p> </div> <div> <p>P appears in mode display</p> <p>(to end the date setting)</p> </div> </div> <ul style="list-style-type: none"> • Enter 6 digits • Enter last 2 digits for year set. (2006 → 06) 	Setting the current date																																												
<p>4. For USA</p> <p>Find the tax table for your state on pages 13 through 16 of this manual.</p> <p>Press the following keys to set the tax tables 1 and 2.</p> <p>Example 1: Set Alabama state tax 4%.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;"> <p>0 1 2 5</p> <p>3</p> <p>0</p> <p>1</p> <p>1</p> <p>1 0</p> <p>3 0</p> <p>5 4</p> <p>7 3</p> <p>1 1 0</p> </div> <div style="margin-right: 10px;"> <p>SUB TOTAL</p> <p>SUB TOTAL</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>CA / AMT TEND</p> <p>SUB TOTAL</p> </div> <div> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 1</p> <p>1st code for 4%</p> <p>Last code for 4%</p> <p>(to end the setting)</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 20px; width: fit-content;"> <table border="1"> <thead> <tr> <th colspan="4">ALABAMA</th> </tr> <tr> <th>4%</th> <th>5%</th> <th>6%</th> <th>6%</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td></tr> <tr><td>10</td><td>10</td><td>8</td><td>9</td></tr> <tr><td>30</td><td>29</td><td>24</td><td>20</td></tr> <tr><td>54</td><td>49</td><td>41</td><td>40</td></tr> <tr><td>73</td><td>69</td><td>58</td><td>55</td></tr> <tr><td>110</td><td>89</td><td>70</td><td>90</td></tr> <tr><td></td><td>110</td><td></td><td>109</td></tr> </tbody> </table> </div>	ALABAMA				4%	5%	6%	6%	0	0	0	0	1	1	1	1	1	1	1	1	10	10	8	9	30	29	24	20	54	49	41	40	73	69	58	55	110	89	70	90		110		109	Setting the Tax table 1
ALABAMA																																													
4%	5%	6%	6%																																										
0	0	0	0																																										
1	1	1	1																																										
1	1	1	1																																										
10	10	8	9																																										
30	29	24	20																																										
54	49	41	40																																										
73	69	58	55																																										
110	89	70	90																																										
	110		109																																										

FOR PROGRAMMING ASSISTANCE, PLEASE CALL TOLL FREE 1-800-638-9228



Procedure	Purpose
<p>Example 2: Set Colorado state tax 5.25%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 3 SUB TOTAL </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 0 2 2 5 = CA/AMT TEND </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 5 0 0 2 = CA/AMT TEND </div> <div style="display: flex; align-items: center;"> SUB TOTAL </div> <p>P3 appears in mode display</p> <p>Program set code No. for Tax table 2</p> <p>5.25% tax</p> <p>50 for Round off and 02 for Add On</p> <p>(to end the setting)</p>	<p>Setting the Tax table 2</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">COLORADO</p> <hr/> <p style="text-align: center;">5.25%</p> <hr/> <p style="text-align: center;">5.25</p> <hr/> <p style="text-align: center;">5002</p> </div>
<p>• Tax table 2 programming can set only tax rate, but not for a tax break point.</p> <p>4. For CANADA</p> <p>Find the tax table for your province on page 16 of this manual.</p> <p>Press the following keys to set the tax tables 1 and 2.</p> <p>Example 1: Set Quebec tax 9%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 3 SUB TOTAL </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 0 1 2 5 = CA/AMT TEND </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 9 0 0 2 = CA/AMT TEND </div> <div style="display: flex; align-items: center;"> SUB TOTAL </div> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 1</p> <p>9% tax</p> <p>90 for round up and 02 for Add On.</p> <p>(to end the setting)</p>	<p>Setting the Tax table 1</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">CANADA</p> <hr/> <p style="text-align: center;">QUEBEC</p> <hr/> <p style="text-align: center;">9%</p> <hr/> <p style="text-align: center;">9</p> <hr/> <p style="text-align: center;">9002</p> </div>
<p>• Tax table 1 programming is used for the tax table includes break points and tax rate.</p> <p>Example 2: Set Ontario tax 10%.</p> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 3 SUB TOTAL </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 0 2 2 5 = CA/AMT TEND </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 1 0 = CA/AMT TEND </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> 5 0 0 4 = CA/AMT TEND </div> <div style="display: flex; align-items: center;"> SUB TOTAL </div> <p>P3 appears in mode display</p> <p>Program set code No. for tax table 2</p> <p>10% tax rate</p> <p>50 for Round off and 04 for tax on tax code</p> <p>(to end the setting)</p>	<p>Setting the Tax table 2</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">CANADA</p> <hr/> <p style="text-align: center;">ONTARIO</p> <hr/> <p style="text-align: center;">10%</p> <hr/> <p style="text-align: center;">10</p> <hr/> <p style="text-align: center;">5004</p> </div>
<p>Tax status for the Departments are fixed as follows:</p> <p>Department 2: Taxable status 1 and 2.</p> <p>Departments 1, 3~10: Non-Taxable status.</p> <p>• See page 22 to change the fixed tax status.</p>	

Tax Tables for USA

A

ALABAMA						
4%	5%	6%	6%	6%	7%	8%
			(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						
KENAI	HOMER/SELDOVIA	HAINES	JUNEAU	KENAI	KENAI, SEWARD & SOLDOTNA	
2%	3%	4%	4%	5%	5%	6%
0	0	0	0	0	0	6
1	1	1	1	1	1	2
1	1	1	1	1	1	2
10	4	4	2	1	6	29
25	34	25	19	12	13	29
75	49	34	37	37	25	49
	83	75	62		46	69
	116	127			75	89
	150	155			79	109
	183	177			118	109
	216	227			127	129
					151	159

ARIZONA					
4%	5%	6%	6.5%	6.7%	7%
0	0	0	175	0	156
1	1	1	191	1	171
1	5	9	7	192	7
12	10	10	7	207	7
37	27	22	23	223	22
	47	39	38	238	37
	68	56	53	253	52
	89	73	69	269	67
	109	90	84	284	82
		107	99	299	97
		125	115		111
		141	130		126
		158	146		141

ARKANSAS						
3%	4%	5%	6%	6.8%	7%	7.5%
0	0	0	0	0	0	0
1	1	1	1	1	1	1
1	1	1	1	1	2	1
14	12	10	8	6	7	6
44	37	20	24	19	21	19
74		40	41	33	35	33
114		60	58	46	49	46
		80			64	
		110			78	
					92	
					107	

C

CALIFORNIA																	
6%	6.25%	6.5%	6.75%	7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	LOS ANGELES 10% Parking						
0	141	0	130	0	121	278	7.25	117	7.25	0	7.75	8.25	0	99	0	99	
1	158	1	146	5002	1	135	292	5002	131	5002	1	5002	5002	1	111	1	99
7		7	161	0	8	149	307	0			3			1	123	11	104
10		10	176	10	10	164		10			6			5	135	99	114
22		21	192	20	20	178		20			19			17	147	99	124
39		37	207	34	33	192		32			33			29	158	99	134
56		54	223	48	47	207		46			46			41	170	99	144
73		70	238	64	62	221		60			59			52	182	99	154
90		86	253	80	76	235		74			73			64	194	99	
108		103	269	96	91	249		88						76	205	99	
124		119	284	111	107	264		103						88		99	

COLORADO																								
LOVELAND																								
1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%	4.5%	5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.1%	6.35%	6.4%	6.45%					
0	0	0	0	0	0	264	0	0	0	211	0	0	5.25	0	172	0	168	0	165	0	6.1	6.35	6.4	6.45
1	1	1	1	1	1	291	1	1	1	233	1	1	5002	1	190	1	186	1	182	1	5002	5002	5002	5002
33	24	19	17	17	17	347	16	17	17	277	17	18		17	227	16	222	17	217	17	17			
99	74	59	49	42	41	375	37	37	33	299	29	18		27	245	25	240	26	24	24				
166			83	71	69	63	62	55	49	51				45	263	43	43	43	41	41				
233			116	99	97	77		77		68				63	281	61	60	60	58	58				
			149	128	124	99		99		84				81	299	79	78	78	74	74				
			183	157	152	122		122		118				99		97	95	95						
			185	180	180	144		144						118	115	113	113							
			214	208	208	166		166						136	132	130	130							
			242	236	236	188		188						154	150	147	147							

COLORADO													
6.5%	6.6%	7%	7.01%	7.1%	7.2%	7.25%	7.3%	7.5%	8%				
0	146	6.6	0	135	7.01	7.1	0	131	7.25	0	130	0	0
1	161	5002	1	149	5002	5002	1	145	5002	1	143	1	1
2	176		4	17			2	159		3	157	3	1
17	192		17	21			17	173		6	171	17	6
23	207		21	35			20	187		20	19	18	
38	223		35	49			34	201		34	33	31	
53			49	64			48	215		47	46	43	
69			64				62	229		61	59	56	
84			78				76	243		75	73	68	
99			92				90	256		89		81	
115			107				104			102		93	
130			121				118			116		106	

CONNECTICUT					
5.25%	6%	7%	7.5%	8%	
0	198	0	0	0	0
1	218	1	1	1	1
2		2	1	3	1
16		8	7	6	6
27		24	21	19	18
46		41	35	33	31
65		58	49	46	
84		74	64	59	
103		91	78	73	
122		108	92		
141		124	107		
160					
179					

D

DISTRICT OF COLUMBIA						
D.C. 5%	D.C. 5.75%	D.C. 6%	D.C. 6%	D.C. 8%	D.C. 9%	D.C. 9%
0	5.75	0	0	0	0	105
1	5002	1	1	1	1	116
1	0	1	1	1	1	6
10	8	12	8	12	6	138
22		17	24	16	16	149
42		35	41	27	27	161
82		53	58	39	38	
62		71	74	50	49	
110		89	91	62	61	
		112	108	75	72	
				90	83	
				112	94	

F

FLORIDA											
PANAMA CITY BEACH											
4%	5%	Combined 5.25%	6%	6.2%	7%	7.5%					
0	175	0	5.25	0	6.2	0	107	0	109	0	93
1	209	1	5002	1	5002	1	123	1	1	1	106
5		1		1		1	138	1	1	1	120
9		9		9		9	153	9	9	9	133
25		20		16		15	169	14	13	14	146
50		40		33		30	184	28	26	26	160
75		60		50		46	209	42	40	42	173
109		80		66		61		57	53	53	186
125		109		83		76		71	66	66	209
150				109		92		85	80	80	

G

GEORGIA			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
1	1	1	1
10	10	10	10
35	25	20	20
66	50	40	35
110	75	60	50
	110	80	67
		110	85
			110

H

HAWAII
4%
0
1
1
10
35
66
110

Part-1 QUICK START OPERATION

IDAHO					ILLINOIS												INDIANA						
3%	4%	4.5%	5%	5%	1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%	1%	4%	5%	MARION County	RESTAURANT	
																					5%	6%	
0	0	0	227	0	0	0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	176	5002	1	1	5002	1	5002	1	1	1	1	1
1	2	2	2	2	1	1	1	6	1	1	1	192		1	1	0	1	0	1	1	1	1	1
15	11	15	11	11	49	39	24	12	8	7	7	207		8	6	6	6	5	1	2	1	2	1
42	32	27	25	25	148	119	74	25	24	23	23			22	19	18	18		49	15	9	15	9
72	57	49	45					46	41	38	38			36	33	31	31		148	37	29	37	29
115		71						67	58	53	53			50	46					62		49	49
		93						88		69	69			65								62	49
		115						109		84	84			79								87	69
		137						129		99	99			93								112	89
		160								115	115			108								137	109
		183								130	130												
		205								146	146												

IOWA			KANSAS																				
4%	5%	6%	2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	5%	5.25%	5.5%	5.65%	5.9%	6%	6.15%	6.4%	6.5%			
0	0	0	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
1	1	1	1	1	5002	1	353	1	1	306	1	5002	1	1	5002	1	209	5002	5002	1	5002	5002	5002
3	1	1	1	1	0	1	384	1	1	333	1	0	1	1	0	1	0	0	7	0	0	0	0
12	9	8	19	16	16	15	415	14	13	359	12	12	11	9	9	8	8	8	8	8	8	7	7
37	29	24	59	49	46	46	415	42	39	386	37	33	29	27	27	24	24	24	24	24	24	24	24
50		41	99	83	76	76	71	66	62	62	55	55	55	45	45	41	41	41	41	41	41	41	41
75		58	139	116	107	107	99	93	87	87	77	77	77	63	63	58	58	58	58	58	58	58	58
		74	179		138	138	128	119	112	112	99	99	99	81	81	74	74	74	74	74	74	74	74
		91			169	169	157	146			122	122	122	105	105	91	91	91	91	91	91	91	91
		108			199	199	185	173			144	144	144	118	118	108	108	108	108	108	108	108	108
					230	230	219	199			166	166	166	136	136	124	124	124	124	124	124	124	124
					261	261	226	205			188	188	188	154	154	141	141	141	141	141	141	141	141
					292	292	253	231			211	211	211	172	172	158	158	158	158	158	158	158	158

KENTUCKY			LOUISIANA										MAINE			MARYLAND						
9.5%	10%	10%	2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%	5%	6%	7%	4%	5%	Meals Tax	5%		
0	110	0	0	0	0	0	0	0	0	161	0	0	0	0	0	0	0	0	0	0	0	0
1	121	1	1	1	1	1	1	1	1	176	1	1	1	1	1	1	1	1	1	1	1	1
1	131	1	2	2	2	1	6	2	17	192	1	2	7	1	1	1	1	1	1	1	1	1
5	142	4	24	16	12	11	10	8	7	207	7	6	4	5	5	5	5	5	5	5	5	5
15	152	14	74	49	37	33	27	24	23	223	21	19	16	16	16	16	16	16	16	16	16	16
26	163	24	124	82	62	55	47	41	38	238	35	33	29	27	27	27	27	27	27	27	27	27
36	173	34	174	116	87	77	67	58	53	253	49	46	42	38	38	38	38	38	38	38	38	38
47	184	44	224	149	112	99	87	74	69	269	64	59	55	49	49	49	49	49	49	49	49	49
57	194	54							122	109	84	84	84	84	84	84	84	84	84	84	84	84
68		64							122	109	99	99	99	99	99	99	99	99	99	99	99	99
78		74							144	129	99	99	99	99	99	99	99	99	99	99	99	99
89		84							166		115	115	115	115	115	115	115	115	115	115	115	115
99		94							188		130	130	130	130	130	130	130	130	130	130	130	130
									211		146	146	146	146	146	146	146	146	146	146	146	146

MASSACHUSETTS			MICHIGAN		MINNESOTA				MISSISSIPPI						
4.625%	5%	5%	4%	6%	6%	6.5%	7%	8.5%	5%	6%	7%	8%	8.5%	9%	9.25%
0	227	0	0	0	0	0	161	0	0	123	0	0	0	0	9.25
1	248	1	1	1	1	1	176	1	1	135	1	1	1	1	5002
13	270	1	7	2	1	1	192	1	1	147	1	1	1	1	0
10	291	9	12	10	8	7	207	7	5	158	11	8	7	6	5
32	313	29	31	24	24	23	21	17	170	26	24	21	18	17	170
54	335		54	41	41	38	35	29	182	47	41	35	31	29	182
75	356		81	58	58	53	49	41	194	68	58	49	43	41	194
97	378		108	74	69	69	64	52	205	88	74	64	56	52	205
118	399		135	91	99	99	78	64		109	91	78	68	64	61
140	421		162	108	99	99	92	76		129	108	92	81	76	72
162	443		187	124	115	107	88				107	93	88	83	83
183					130		99					106	99	94	94
205					146		111						111	105	105

MISSOURI																					
4.225%	4.6%	4.625%	4.725%	4.75%	4.8%	4.975%	5.05%	5.1%	5.225%	5.6%	5.625%	5.725%	6.1%	6.225%	6.3%	6.425%	6.475%				
0	0	0	227	0	0	0	0	211	0	0	5.225	0	187	0	5.725	0	162	0	162	0	162
1	1	1	248	1	1	1	1	1	1	1	5002	1	205	1	184	1	178	1	177	1	177
1	1	13	270	4	3	3	1	5	1	15	223	1	1	2	200	8	198	1	194	13	193
11	10	10	291	10	10	10	10	9	9	8	241	8	8	8	216	7	214	7	210	7	208
35	32	32	313	31	22	31	30	19	29	26	258	26	24	24	232	23	230	23	225	23	223
59	54	54	335	52	43	52	50	39	49	44	276	44	40	40	248	39	246	38	241	38	239
82	76	75	356	74	65	72	70	59	68	62	294	62	57	56	265	55	54	256	54	254	254
	97	97	378	95	86	93	90	79	88	80	312	79	73	72	71	71	70	272	69	270	270
		118	399	116	107	114	110	98	107	98	330	97	90	88	87	85	85	287	84	285	285
		140	421	137	128	135	130	118		115	348	115	104	103	103	101	101	300	100	301	301
		162	443	158	149	156	150	138		133	366	133	120	119	116	116	115	316	115	316	316
		183		179	170	177	170	158		151	383	151	136	134	132	132	131	332	131	332	332
		205		201		190		178		169		168		152	150	147	146		146		

NEBRASKA										NEVADA									
6.55%	6.725%	7.225%	3%	3.5%	4%	4.5%	5%	5.5%	6%	6.5%	3%	3.5%	5.75%	6%	6.25%	6.5%	6.75%	7%	
0	160	6.725	0	0	0	233	0	0	190	0	0	161	0	0	0	161	6.75	0	0
1	175	5002	1	1	1	255	1	1	209	1	1	176	1	1	1	183	1	176	5002
9	190		3	3	2	277	2	2	227	1	1	192	2	2	199	1	192	0	1
7			16	14	14	299	14	14	8	7	207	14	14	14	215	7	207	7	7
22			49	42	37	33	322	29	27										

N

NEW HAMPSHIRE			
Rooms & Meals		Rooms & Meals	
7%	7%	8%	8%
0	129	0	128
1	143	1	142
8	158	8	157
14	172	35	171
26	186	35	185
39	201	38	200
51	215	50	214
63	229	62	228
75	243	74	242
88	257	87	256
101	271	100	270
115	285	114	284

NEW JERSEY			
3%	3.5%	6%	7%
0	0	0	0
1	1	1	1
1	1	1	1
17	14	10	10
41	42	22	21
71	71	38	35
117	100	56	50
	128	72	64
	157	88	78
	185	110	92
	214		107
			121
			135

NEW MEXICO									
3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%	5.75%
0	280	0	247	0	239	0	4,875	5,175	0
1	306	1	270	1	261	1	5,002	5,002	1
6	333	1	294	4	1	11			11
13	359	11	317	11	11	9			9
40	40	35	341	34	33	28			28
67	67	58	364	57	55	47			47
93	93	82	388	79	78	66			66
120	120	105	411	102	100	85			85
146	146	129	435	125	122	104			104
173	173	152	458	148	144	123			123
200	200	176	481	171	167	142			142
226	226	199	504	194	189	161			161
253	253	223	527	217	211	180			180

Part-1

6.187%	6.1875%
0	6,187
1	5002
4	0
9	8
23	
40	
56	
72	
88	
104	
120	
136	
153	

NEW YORK													
4%	5%	5.25%	5.75%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	8%	SUFFOLK County	
0	0	5.25	5.75	0	141	0	0	130	6.75	0	121	7.25	0
1	1	5002	5002	1	158	1	1	146	5002	1	135	5002	1
5	6			7	7	7	7	161	8	149	8	139	10
12	10			10	10	7	7	176	10	164	10	144	10
22	22			22	22	23	23	192	20	178	18	17	17
38	38			38	38	38	38	207	33	192	31	29	29
56	54			56	54	53	53		47	207	45	42	42
72	72			72	70	69	69		62		58	55	54
88	88			88	86	84	84		76		71	67	67
104	104			104	103	99	99		91		85	80	79
120	120			120	119	115	115		107		99	92	92
136	136			136									
153	153			153									

NORTH CAROLINA						
3%		4%		5%		6%
0	0	0	188	0	0	0
1	1	1	211	1	1	1
4	5	6	233	6	2	2
9	9	9	255	8	10	8
35	29	25	277	23	24	24
70	59	53	299	48	41	41
116	84	75	322	67	58	58
149	112	95		85	74	74
183	137	122		109	91	91
216		144		129	108	108
		166			124	124

NORTH DAKOTA									
3%	4%	4%	5%	5.5%	6%	6.5%	7%	8%	
0	0	0	0	0	182	0	0	170	
1	1	1	1	1	200	1	1	185	
3	5	2	2	2	219	3	2	200	
15	15	15	15	15	15	15	15	15	
33	31	25	20	19	17	31	231	15	
67	51	50	40	37	34	47		29	
100	71	75		55	50	62		43	
133	100	100		73	67	77		58	
166	125	125		91	84	93		72	
200				110	108	86		75	
				128	124	100		88	
				146	139	115		100	
				164		154			

O

OHIO									
MEIGS Co.					CUYAHOGA Co.				
5%	5.5%	5.75%	6%	6%	6.25%	6.5%	7%	7%	7.75%
0	0	146	5.75	0	0	134	0	0	123
1	1	164	5002	1	1	1	1	138	1
2	2	182		2	3	153	3	3	3
15	15	200		15	16	15	15	15	15
20	18	218		17	17	16	15	184	15
40	36			34	34	32	30	200	28
	52			50	50	46	215	42	42
	74			67	67	61	230	57	57
	90			83	83	76	71	71	71
	109			100	100	92	85	85	85
	127			117	117	107	100	100	100

OKLAHOMA										
2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.725%
0	0	0	323	0	4.25	0	0	5.25	0	0
1	1	1	353	1	5002	1	1	5002	1	1
1	1	7	384	1		2	1		1	1
24	16	15	415	12		11	9		8	7
74	49	46	446	37		33	29		24	23
	83	76	476			55			41	
	116	107	507			77			58	
		138	538			99				
		169	569			121				
		199	599			144				
		230								
		261								
		292								

P

7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%
0	7.25	7.375	0	0	0	0
1	5002	5002	1	1	1	1
6	0	0	1	1	4	1
8		6	6	6	5	4
22			18	18	16	14
37			31	30	27	24
51				42	37	34
65				54	48	43
79				66	59	
94				78	70	
108				90	81	
122				103	91	

PENNSYLVANIA			
6%	7%		
0	0	150	
1	1	150	
1	5	167	
10	10	184	
17	17	210	
34	34	217	
50	50	234	
67	50	250	
84	67	250	
110	84		
	110		
	117		
	134		

R

RHODE ISLAND			
6%	7%		
0	0	149	
1	1	164	
6	5	178	
9	7	192	
26	21	207	
42	35	221	
57	49	235	
73	64	249	
90	78	264	
106	92		
123	107		
140	121		
	135		

S

SOUTH CAROLINA			
CHARLESTON			
4%	5%	6%	
0	0	0	
1	1	1	
1	1	1	
5	6	2	
10	10	10	
25	20	24	
50	40	41	
75	60	41	
112	80	58	
137	109	74	
	129	91	
		108	
		124	

SOUTH DAKOTA						
4%	5%	5.5%	6%	6.5%	7%	
0	0	0	190	0	0	
1	1	1	210	1	1	
1	1	1		1	1	
12	10	10		9	7	
37	30	28		26	23	
		46		43	38	
		64		60	53	
		82		76	69	
		100		92	84	
		118		109	99	
		136		115	107	
		154		130	121	
		172		146	135	

T

TENNESSEE														
COUNTY TAX														
4.5%	5.5%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	7.75%	8%	8%	8.25%	8.5%	8.75%
0	188	0	154	354	0	0	0	130	0	125	0	121	0	117
1	211	1	172	372	1	1	1	146	1	140	1	1	1	130
1		11	190	390	2	2	2	161	8	155	2	10	144	2
11		10	209		10	10	10	176	10	170	10	10	158	10
33		27	227		24	23	23	192	22	185	21	20	172	19
55		45	245		41	39	38	207	37	199	35	34	185	33
77		63	263		58	55	53	223	51	214	49	48	185	46
99		81	281		74	71	69		66	229	64	61	185	59
122		99	299						81	244	78	75		68
144		119	318						96	259	92	89		81
166		136	336						115	274	107	103		93

E

Part-1 QUICK START OPERATION

TEXAS																								
												HOUSTON (Harris County)												
4%	4%	4.125%		4.625%	5%	5.125%	5.25%		5.375%	5.5%	5.625%		6%	DALLAS (6%)		HOUSTON (6%)		6.125%	6.25%	6.25%	6.75%	7%		
0	0	0	181	424	4,625	0	5,125	0	142	5,375	0	137	0	133	0	0	0	6,125	0	119	6,250	6,750	0	107
1	1	1	206		5,002	1	5,002	1	161	5,002	1	55	1	151	1	1	1	5,002	1	1	5,002	5,002	1	1
1	1	1	230			1		1	12	180	1	173	1	168	1	1	1		1				1	1
12	12	12	254			9		9	9	199	9	191	8	8	9	8	8		7				7	7
37	37	36	278			29		28	219	27	209	26	24	25	24	24	23		23				21	21
	62	60	303			49		47	238	45	44	44	41	42	41	39		39					35	35
	87	84	327			69		66		63	62	62	58	59	58	55		55					49	49
		109	351					85		81	79	79	74		74	71		71					64	64
		133	375					104		99	97	97	91		91	87		87					78	78
		157	399					123		118	115	115			108	103		103					92	92

7.25%	7.5%	7.75%	8%	8.25%	
7.25	0	0	96	0	8.25
5002	1	1	109	1	5002
	1	5	122	1	
	6	6	135	6	
	19	19	148	18	
	33	32	161	31	
	46	45	174		
	59	58	187		
	73	70			
	86	83			

UTAH														
4.75%	5%	5.25%		5.375%	5.5%	5.75%	5.875%	6%	6.125%	6.25%	7%	7.25%		
0	221	0	0	199	0	0	190	5.75	5.875	0	6.125	0	0	7.25
1	242	1	1	219	1	1	209	5002	5002	1	5002	1	1	5002
1	263	1	1	238	1	1			0	2	0	4	2	
10	284	9	9	257	9	9			8	8	7	7		
31	305	29	28	276	27	27			24		23	21		
52	326	47	47	295	46	45			41		27	35		
73	347	66	66	314	65	63			58		47	49		
94	368	85	85	333	83	81			74		63	64		
115	389	104	104	352	102	99						78		
136	410	123	123	371	118	118						92		
157		142	142	390	136	136						107		
178		161	161	409	154	154								
199		180	180	428	172	172								

VERMONT			
3%	4%	5%	8%
0	0	0	0
1	1	1	1
4	2	2	0
13	10	10	18
33	25	20	31
66	50	40	43
100	80	56	68
133	100	68	81
166	120	81	93
200	140	93	100

VIRGINIA																					
ARLINGTON COUNTY			FAIRFAX CITY			HAMPTON RESTAURANT		LEESBURG MEAL TAX		RICHMOND RESTAURANT		ALEXANDRIA		NEWPORT NEWS		RICHMOND RESTAURANT		ROANOKE CITY VA BEACH			
4%	4%	4.5%	5.5%	6.5%	7%	7%	7%	7%	7.5%	7.5%	7.5%	8%	8.5%	9%							
0	214	484	0	0	188	0	149	0	124	0	0	7.5	0	116	0	0	0	114	0	99	9
1	234	512	1	1	211	1	166	1	144	1	1	5002	1	122	1	1	1	114	1	112	5002
21	259	537	2	5	233	4	188	1	166	13	149	1	1	144	2	5	134	1	122	0	1
14	284		12	15	255	11	211	11	174	14	159	7	14	11	149	6	14	134	11	137	
34	314		37	33	277	14	233	24	188	29	184	21	14	16	166	19	34	159	12	144	
59	334		62	55	299	33	249	33	211	34	184	35	34	33	183	33	44		33	162	
84	359		87	77		55	255	55		44	214	49	59	49	188	46	44		37	166	
114	384		112	99		77		74		59	214	64	59	55	211	59	59		55	187	
134	414		137	122		99		77		74	234	78	84	77		59	59		62	188	
159	434		144	122		99		84	249	92	249	92	84	83		84	84		77	211	
184	459		166	144		122		114	259	107	259	107	114	99		84	84		87		

VIRGINIA					
NORFOLK CITY			CITY OF RICHMOND		
Meal tax 9%			Food tax 9.5%		
0	99	211	0	89	205
1	99	233	1	99	
6	122	233	1	110	
11	122		5	121	
33	144		15	131	
44	144		26	142	
44	166		36	152	
55	166		47	163	
55	188		57	173	
77	188		68	184	
77	211		78	194	

WASHINGTON																	
7%	7.2%	7.3%	7.5%	7.55%	4.125%		7.8%	7.9%	8%	8.1%	Combined		8.7%				
0	0	131	0	129	0	126	0	0	124	282	7.8	0	0	0	117	8.1	0
1	1	1	1	143	1	139	1	1	138		2	1	1	1	129	2	1
1	1	1	1	156	1	153	2	3	151		0	2	1	14	141	0	1
7	6	6	6	170	6	166	7	6	164		7	6	6	6	154	6	5
21	20	19	19	184	19	179	19	19	177		19	18	18	18	166	18	17
35	34	33	33	198	33	193	33	32	190		32	31	31	30	179	30	28
49	48	47	47	211	46	206	46	46	203		44	44	44	43	191	43	
64	62	61	61	225	59	59	59	59	217		57	56	55	55	203	55	
78	76	74	74	239	73	72	72	72	230		70	70	67	67		67	
92	90	88	88	252	86	85	85	85	243		83		80	80		80	
107	104	102	102	269	99	98	98	98	256				92	92		92	
	118	115	115		113	111	111	111	269				104				

WEST VIRGINIA				
2%	3%	4%	5%	6%
0	0	0	0	0
1	1	1	1	1
2	2	1	2	2
25	5	12	5	5
50	35	37	20	16
100	70		40	33
	100		50	50
	135		67	84
			100	116

WISCONSIN			
4%	5%	5.5%	5.6%
0	0	0	190
1	1	1	209
1	1	1	1
12	10	9	8
37	21	27	26
	41	45	44
	61	63	62
	81	81	80
	110	99	98
		118	116
		136	133
		154	
		172	

WYOMING			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
2	2	2	3
24	24	24	24
49	37	29	24
83	62	49	34
116	69	51	34
149	89	68	34
	109	84	

Tax Table for CANADA

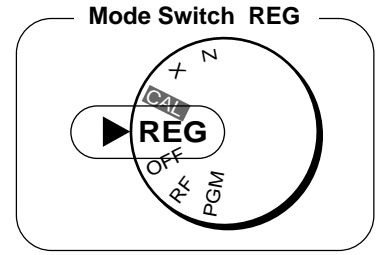
CANADA										
NOVA SCOTIA ¹	ONTARIO ²	QUEBEC ²	NEWFOUNDLAND ²	ONTARIO ¹	BRITISH COLUMBIA ¹	SASKACHEWAN	MANITOBA	ONTARIO	N.B. & P.E.I. ¹	QUEBEC
10%	10%	10%	12%	12%	6%	6%	7%	8%	8%	9%
10	10	10	12	0	0	6	7	0	9	9002
5004	5004	5004	5004	1	1	5002	5002	1	1	
				4	2			3		
				25	14			25		
				25	24			25		
				25	41			31		
				29	58			43		
				37	74			56		
				45						
				54						

*1 Must be programmed into Tax Table 1.
 *2 Must be programmed into Tax Table 2.

4. Basic Operation after Basic Programming

Note:

Whenever an error is generated (E01 displayed), the input figures reset to 0. All printout samples are receipt images and the header (date, time and consecutive no.) are eliminated from the samples.

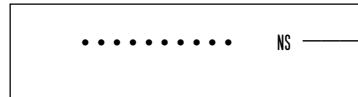


Part-1



4-1 Open the drawer without a sale

CHK / NS

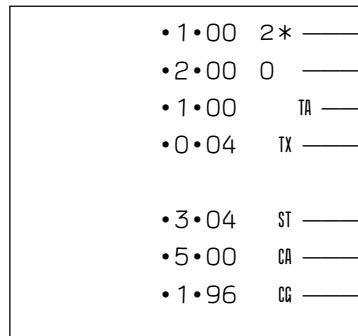
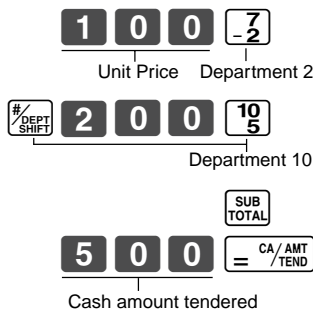


No Sales Symbol

4-2 Basic operation

Example

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

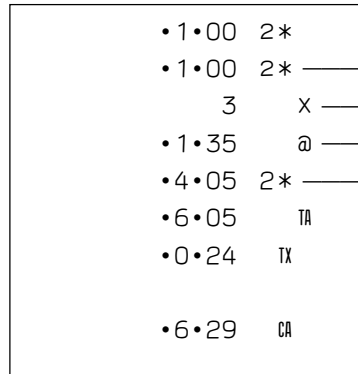
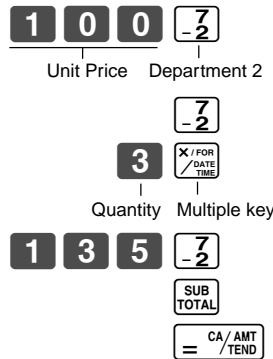


Departments 6 through 10 can also be registered in combination with the $\frac{\#}{\text{SHIFT}}$ and $\frac{6}{+1}$, $\frac{7}{-2}$, $\frac{8}{\times 3}$, $\frac{9}{+4}$ or $\frac{10}{5}$ keys, respectively. The $\frac{\#}{\text{SHIFT}}$ key should be entered just before entering unit price manually.

4-3 Multiple registration on the same items

Example

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

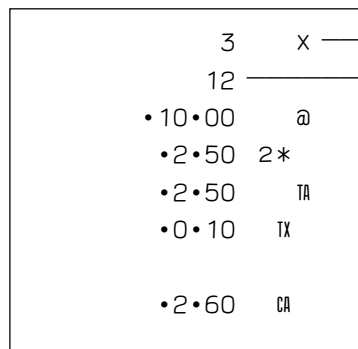
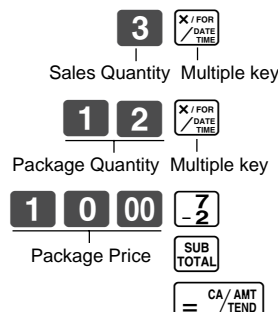


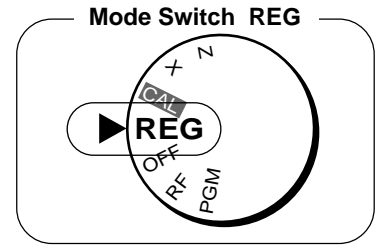
Note that repeated registration can be used with unit prices up to 6 digits long.

4-4 Split sales of packaged items

Example

Unit price	12/\$10.00
Quantity	3
Dept.	2

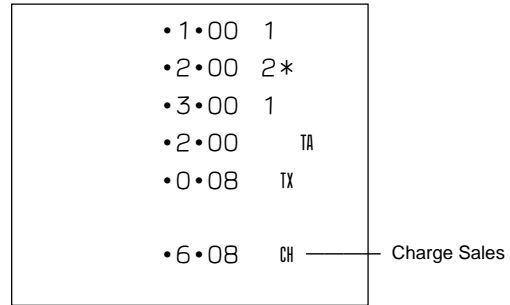
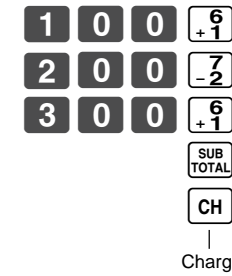




4-5 Charge sales

Example

Unit Price	\$1.00	\$2.00	\$3.00
Quantity	1	1	1
Dept.	1	2	1

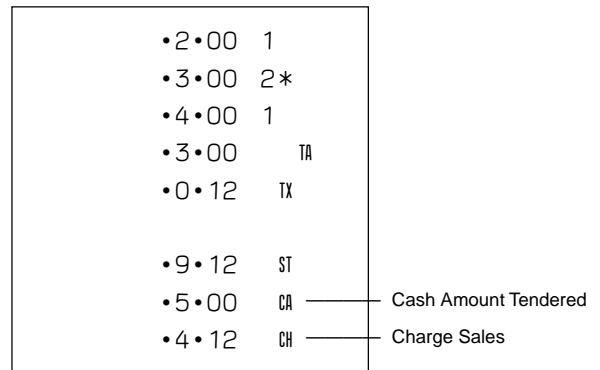
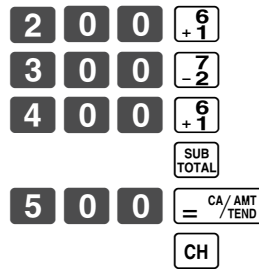


You cannot perform the amount tendered operation using the **CH** key.

4-6 Split cash/charge sales

Example

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



4-7 Corrections

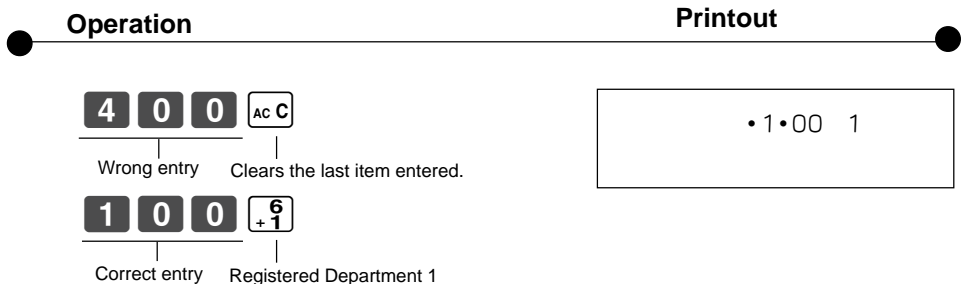
Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

4-7-1 Before you press a department key

AC C key clears the last item entered.


Example

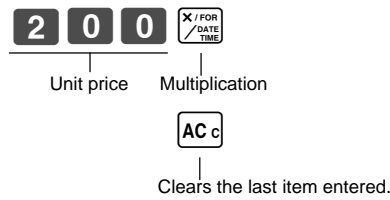
- Entered 400 for unit price by mistake instead of 100.



Operation

Printout

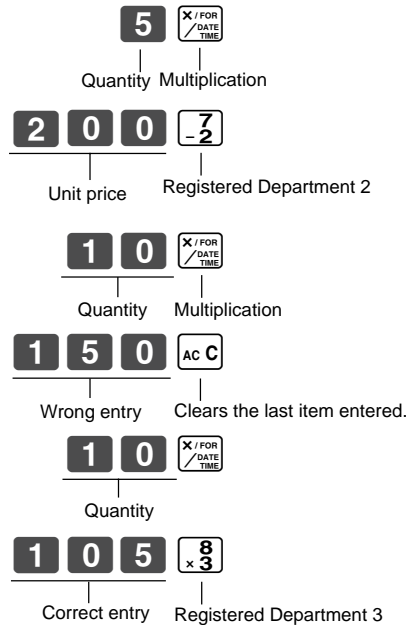
2. Entered unit price first instead of quantity and then pressed .



```

      5    X
    •2•00 @
    •10•00 2*
    
```

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



```

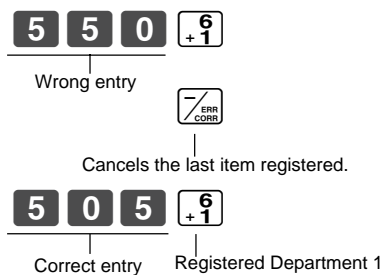
      10   X
    •1•05 @
    •10•50 3
    
```

4-7-2 After you pressed a department key

 key cancels the last registered item.

Example

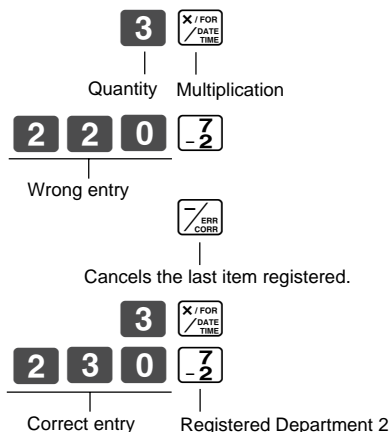
1. Entered unit price 550 by mistake instead of 505 and pressed a department key.



```

    •5•50 1
   -5•50 ①
    •5•05 1
    
```

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



```

      3    X
    •2•20 @
    •6•60 2*
   -6•60 ①
      3    X
    •2•30 @
    •6•90 2*
    
```

Part-1

5. Daily Management Report

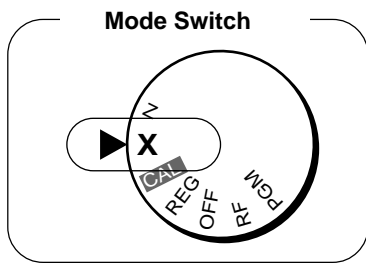
This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

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.

5-1 Financial Report

Operation



Printout

04-19-05	_____	Date
14-27 0072	_____	Time/Consecutive No.
	X	Read Symbol
67	*	Gross Sales No. of Items
•270•48	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount
•197•57	CA #	Cash Total in Drawer
•18•19	CH #	Charge Total in Drawer
•45•18	* CK	Check Total in Drawer

5-2 General Control Read/Reset Report

Operation

5-2-1 Daily Read/Reset Report

Mode Switch to **X**
(Read)



Mode Switch to **Z**
(Reset)



Printout

Z (Reset) report

04-19-05	_____	Date
19-35 0073	1	Time/Consecutive No. /Clerk No.
0001	Z	Non-resettable Sales No. of Resets/RESET Symbol*1
48	1	No. of Items/Dept. No.
•50•10		Amount
28	2	
•76•40		
17	3	
•85•80		
4	4	
•76•00		
1	5	
•6•50		
0	6	
•0•00		
0	9	
•0•00		
10	0	
•22•00		
108	*	Gross Sales No. of Items
•316•80	*	Gross Sales Amount

•0•50	-	Reduction Amount
•0•66	% +	Premium/Discount Amount
•105•10	TA	Taxable Amount for Tax Table 1
•4•20	TX	Tax Amount for Tax Table 1
•75•60	* TA	Taxable Amount for Tax Table 2
•3•97	TX 2	Tax Amount for Tax Table 2
46	NT	Net Sales No. of Customers
•325•13	NT	Net Sales Amount
•325•13	1	Clerk Sales Amount/ Clerk No.
44	CA	Cash Sales Count
•203•91	CA	Cash Sales Amount
3	CH	Charge Sales Count
•16•22	CH	Charge Sales Amount
2	CK	Check Sales Count
•105•00	CK	Check Sales Amount
•6•00	RA	Received On Account Amount
•10•00	PO	Paid Out Amount
3	VD	Error Correction Count
1	RF	Refund (by MODE operation) Count
•3•00	RF	Refund (by MODE operation) Amount
5	CA X	No. of $\left[\frac{CA}{AMT} \right]$ key operation
1	NS	No-sales Count
•199•91	CA #	Cash in Drawer
•16•22	CH #	Charge in Drawer
•105•00	* CK	Check in Drawer
000000		Non-resettable Grand Sales Total
0325•13		(printed only on RESET report)* ²

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

5-2-2 Periodic Read/Reset Report

Operation

Printout

Mode Switch to **X** or **Z**

1 0 $\left[\frac{CA}{AMT} \right]$ / TEND

04-19-05		Date
19-50 0074		Time/Consecutive No.
10	••••	X — Read Symbol
		X —
67	*	Gross Sales No. of Items
•270•73	*	Gross Sales Amount
38	NT	Net Sales No. of Customers
•271•24	NT	Net Sales Amount



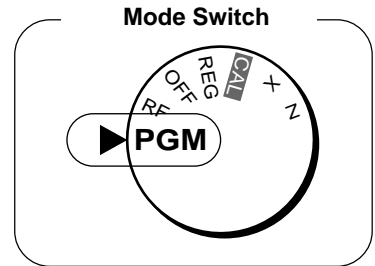
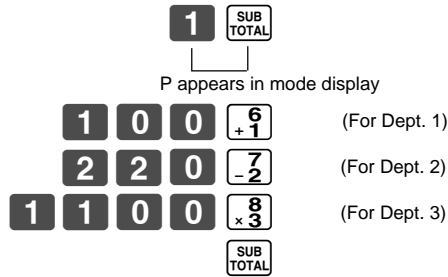
CONVENIENT OPERATION

1. Various Programming

1-1 Unit price for Departments

Example

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

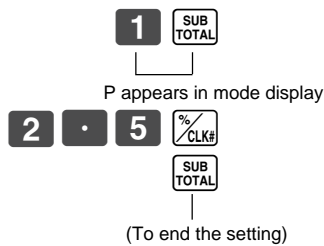


• Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate	2.5%
---------------	------



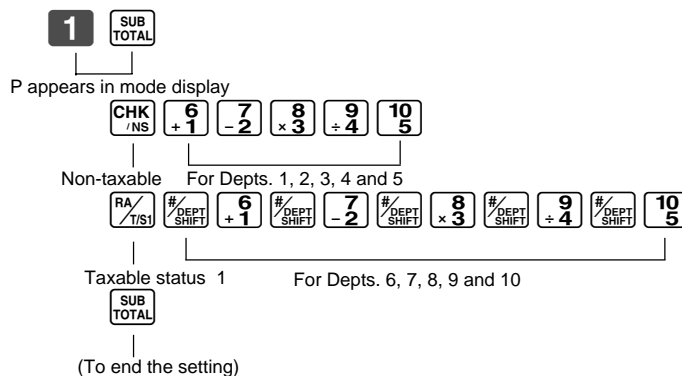
• The rate within the range of 00.01 to 99.99%.

1-3 To change tax status for Departments

Tax status for the Departments are fixed as follows:
 Department 2: Taxable status 1 and 2.
 Departments 1, 3~10: Non-Taxable status.

Example

Status	Non-taxable	Taxable 1
Depts.	1~5	6~10



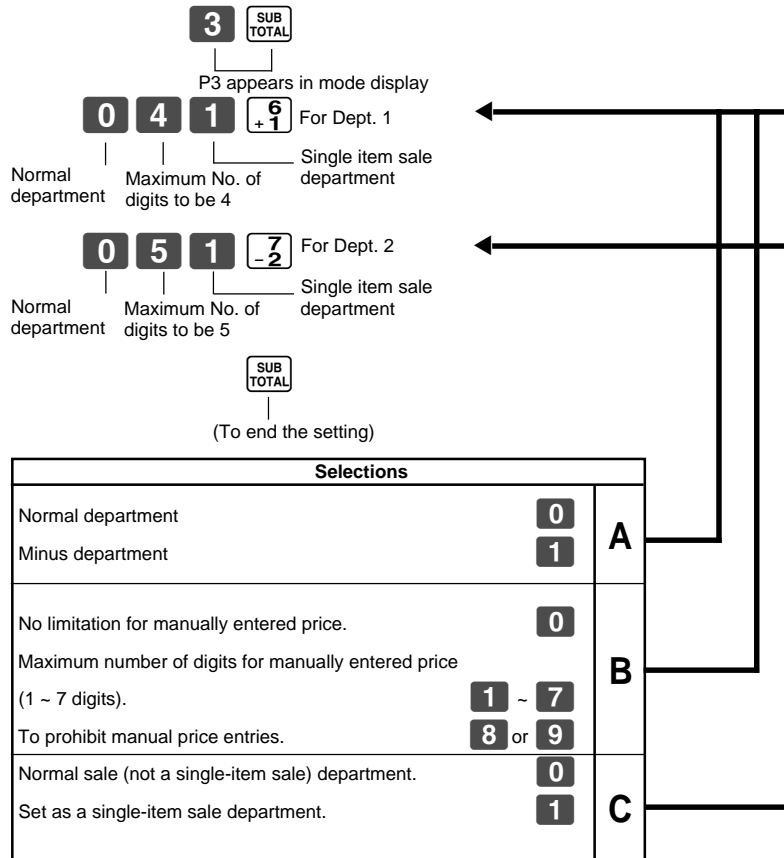
Selections	
Taxable status 1	RA /T/S1
Taxable status 2	PO /T/S2
Taxable status 1 and 2	RA /T/S1 PO /T/S2
Non-taxable status	CHK /NS

A

1-4 Status for Department

Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1



Part-2

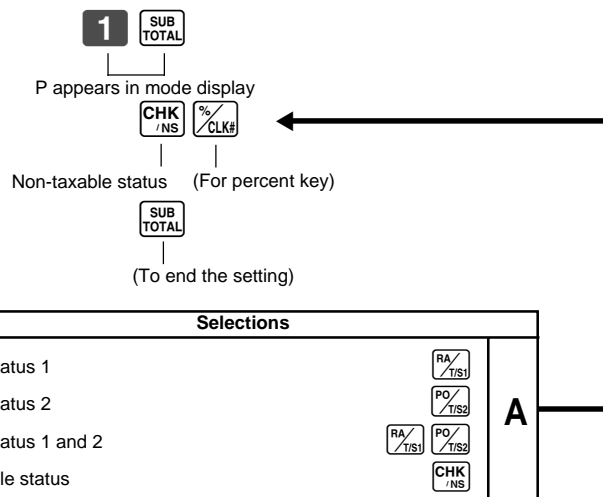
1-5 Status for percent key

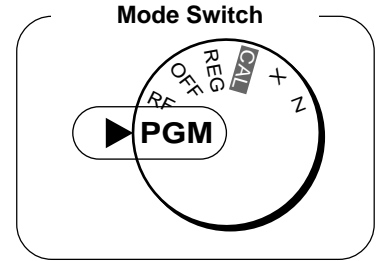
1-5-1 To change taxable status for the percent key

Taxable status 1 and 2 are fixed for the percent key.

Example

Change Percent key registration as a Non-taxable.

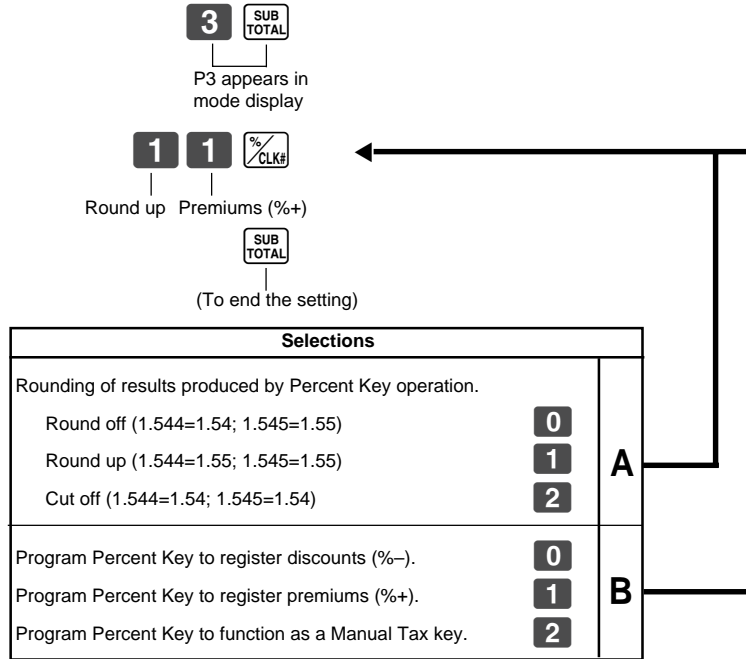




1-5-2 Status for percent key

Example

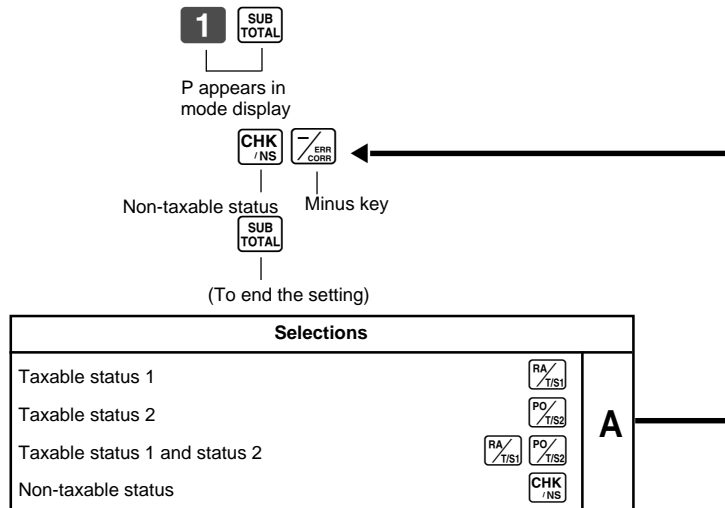
Round	Up
Percent	%+



1-6 Taxable Status for minus key

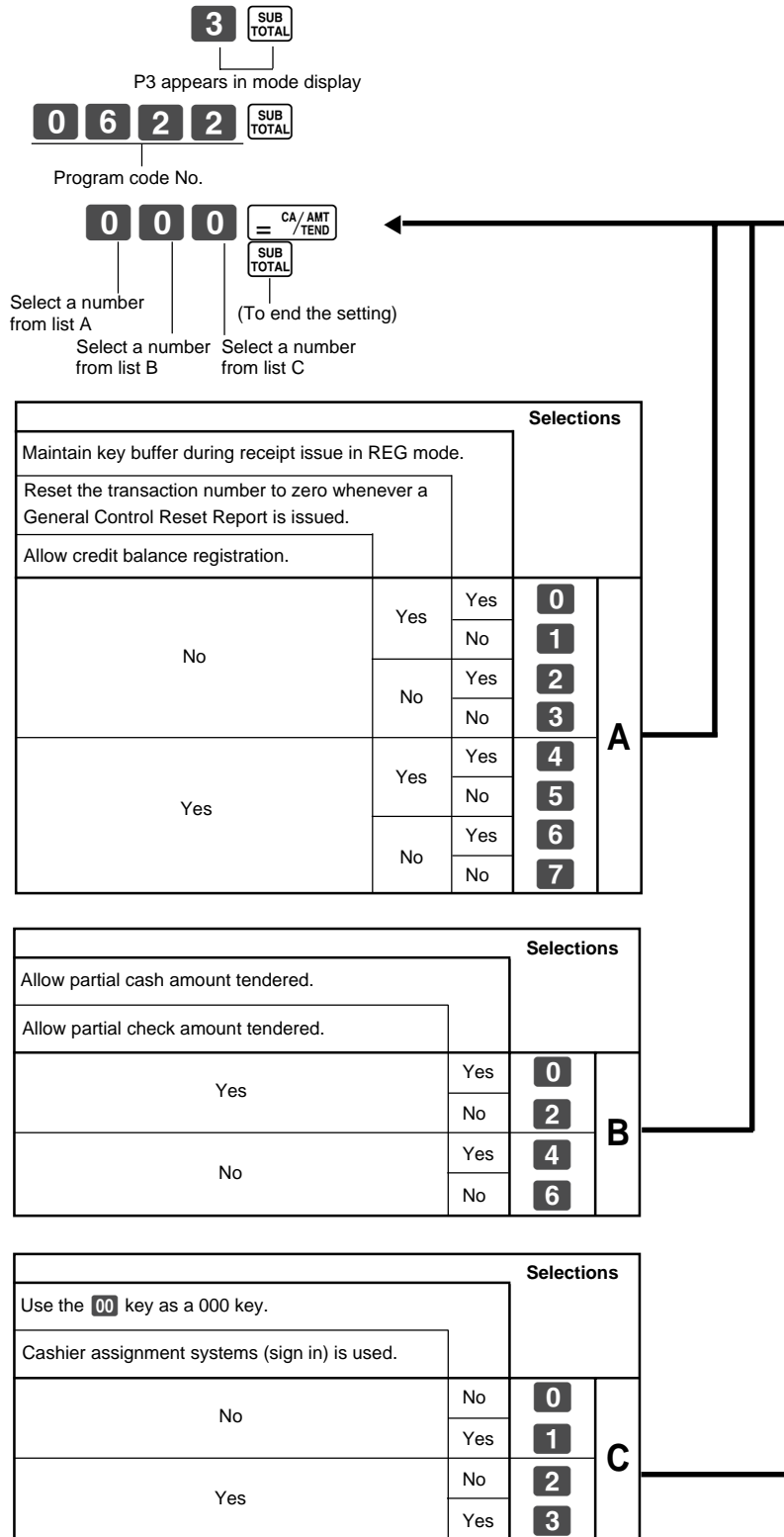
Example

Change minus key registrations
Non-taxable status.

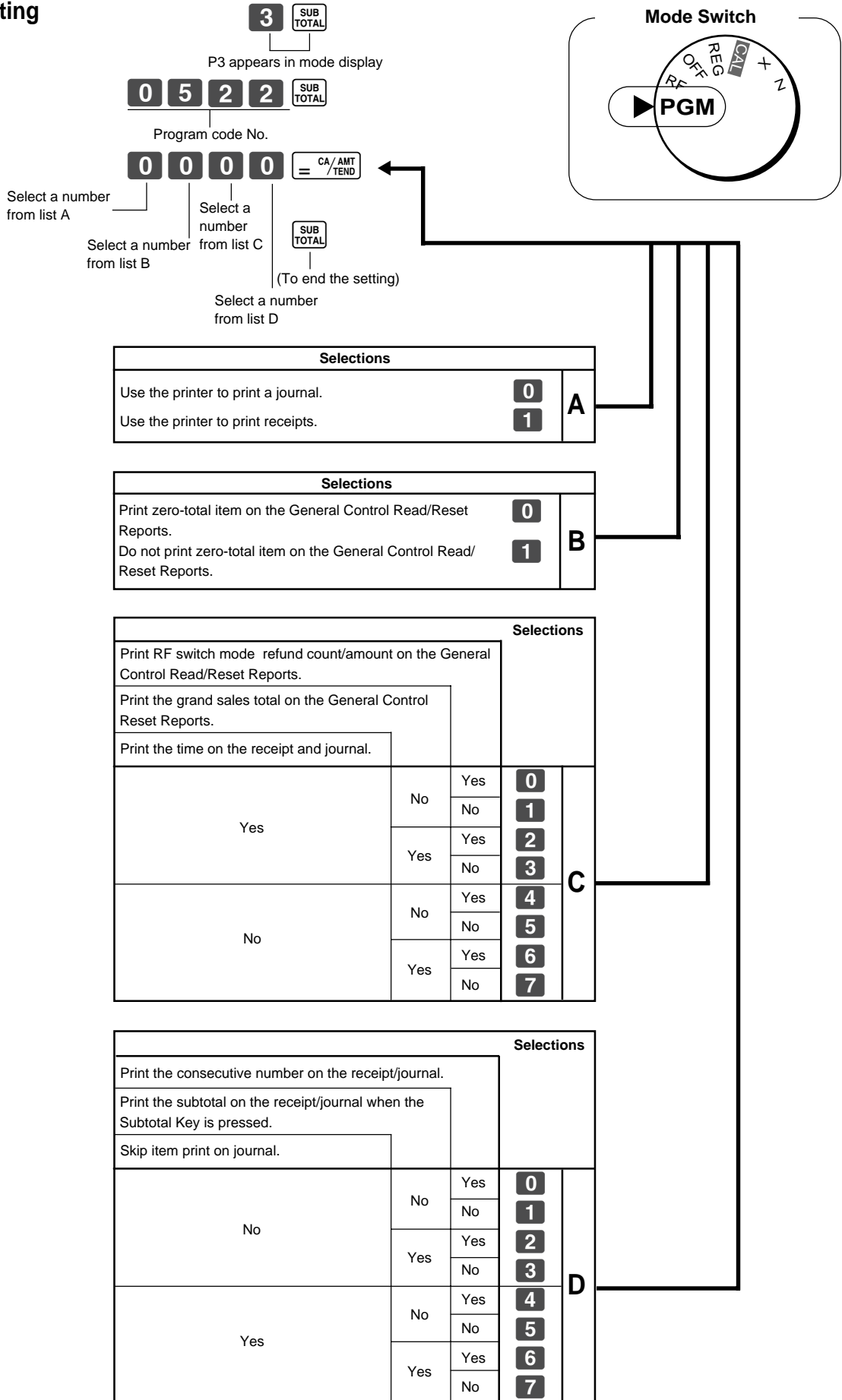


1-7 General features

1-7-1 To set general controls



1-7-2 To set printing controls

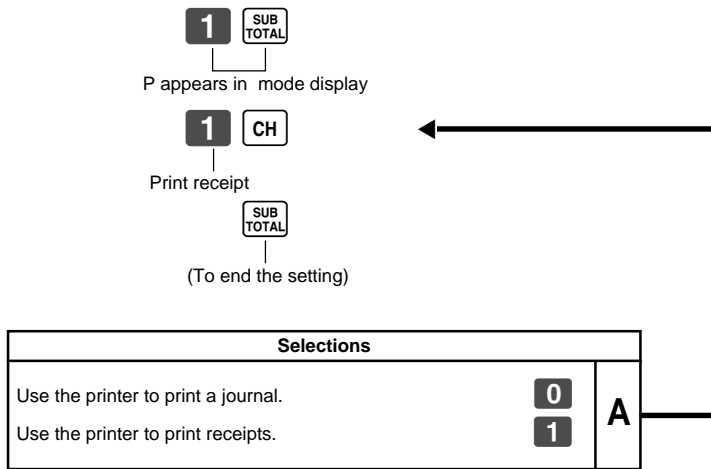


1-7-3 Printer switch for Receipt or Journal

The printer is fixed as journal after initialized operation.

Example

To print a receipt.



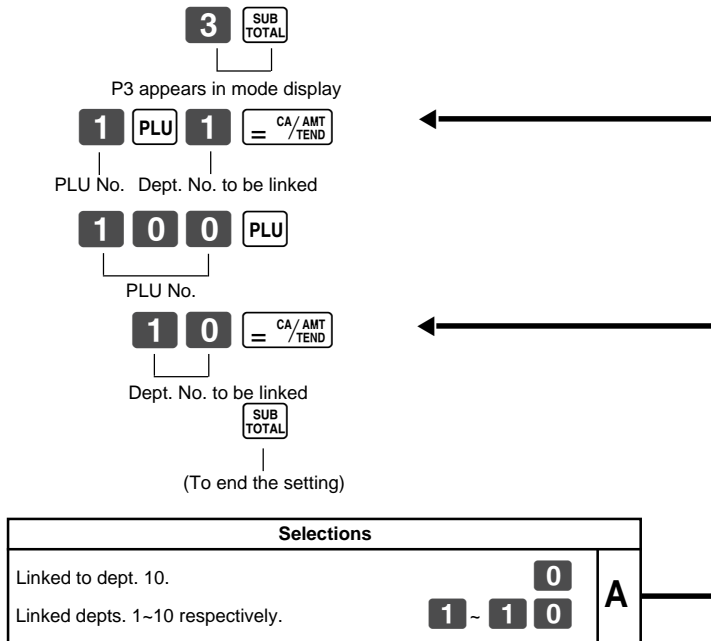
- Printer selection to print a journal or receipts can also be set on procedures 1-7-2 “To set printing controls”.

1-8 PLU setting

1-8-1 Linkage with Departments

Example

PLU No.	1	100
Link Dept. No.	1	10

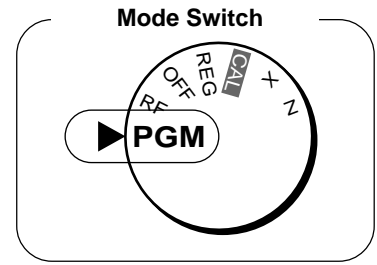
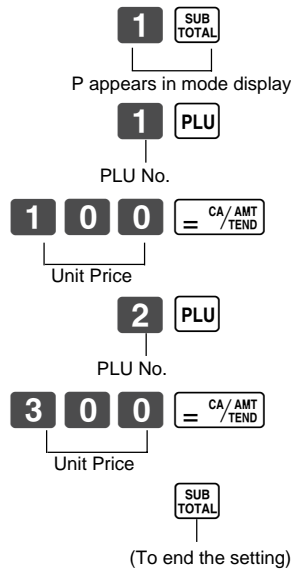


- 100 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 10.
- Status for a single-item sale and tax status are followed the specified linked department.

1-8-2 Unit Prices for PLUs

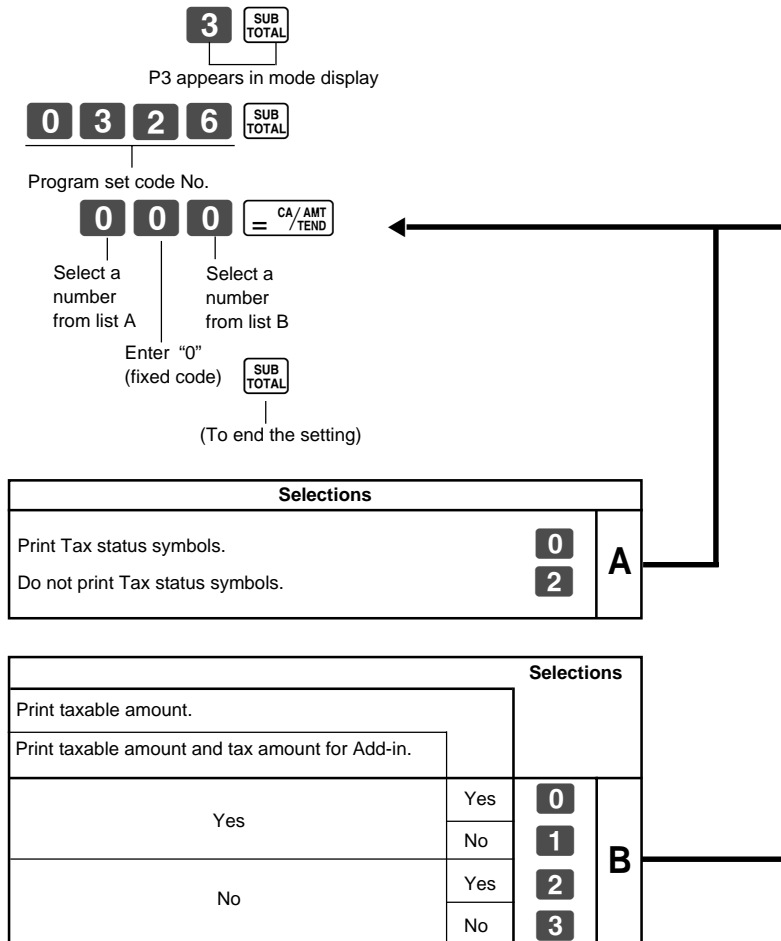
Example

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



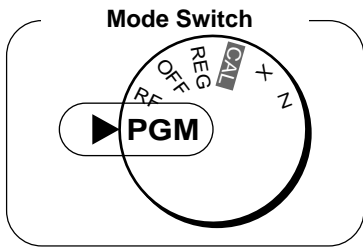
• Unit prices within the range of \$0.01~999.99.

1-9 To control Tax Status printing



1-10 Printing to read All Preset Data

1-10-1 Printing preset data except PLU settings



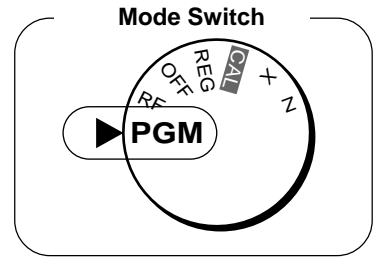
Operation

Printout

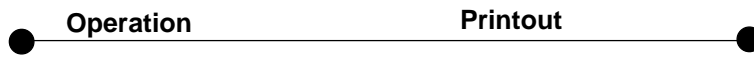
CA/AMT/TEND

04-19-05	_____	Date
14-24 0070	_____	Time/Consecutive No.
	X	Read Symbol
1.....1.00	*	Dept. No./Unit Price/Tax Status
.041		Normal Dept./Digit Limit/Single Item
2.....2.20	*	
.051		
3.....11.00	*	
.000		
0.....0.00	*	
.000		
-.....	#	Minus/Tax Status
2.5	%	Percent Rate/%+ or %-
.11	#	Percent Key Control/Tax Status
0122.....12		Date/Add Mode Control (fixed)
0522...1022		Print Control
0622...0000		General Control
1022.....0		Calculation Control
0326...0002		Tax Control
0125.....		
0.0000	%	Tax Table 1
0001		Break Points Control
10		
30		
54		
73		
110		
0225.....		Tax Table 2
5.2500	%	Rounding Specifications/ Tax System Specifications
5002		
0000		
04-19-05		

Part-2



1-10-2 Printing preset PLU settings



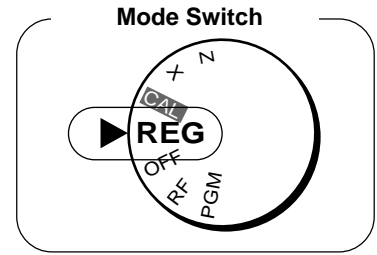
1 = CA/AMT /TEND

04-19-05	—	Date
14-26 0073	—	Time/Consecutive No.
	X	Read symbol
001•••1•00	1	PLU No./Unit Price/ Linked department
002•••2•00	2	
003•••3•00	3	
004•••4•00	4	
005•••5•00	5	
006•••6•00	6	
007•••7•00	7	
099•••00	0	"0" means department 10.
100••10•00	1	
04-19-05		

2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 22)



Example

Unit Price	\$1.00	\$2.20	\$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered	\$52.00		

Operation	Printout
------------------	-----------------

6 + 1
7 - 2
7 - 2
4 X / FOR / DATE / TIME 8 x 3
SUB TOTAL
5 2 0 0 = CA / AMT / TEND

• 1•00	1*	—	Unit Price Programmed to Department 1
• 2•20	2*	—	Unit Price Programmed to Department 2
• 2•20	2*	—	Repeat
4	X	—	Multiplication Symbol
• 11•00	@	—	Unit Price Programmed to Department 3
• 44•00	3*	—	
• 49•40	TA	—	
• 1•98	TX	—	
• 51•38	ST	—	
• 52•00	CA	—	Cash Amount Tendered
• 0•62	CG	—	Change

Part-2

2-2 Single-Item Sales

(Programming: See page 23)

Example 1

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

5 0 6 + 1

• 0•50	1*	—	Taxable Amount
• 0•50	TA	—	Taxable Amount
• 0•02	TX	—	Tax
• 0•52	CA	—	Cash Sales

For this example, Dept. 1 is programmed for a single-item-sale.

(Programming: See page 23.)

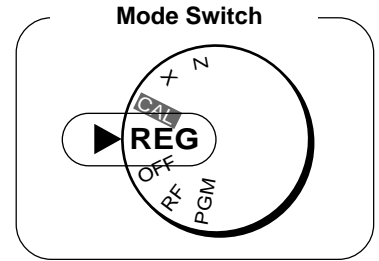
Example 2

Status	Normal	Single item sale
Unit Price	\$1.00	\$0.50
Quantity	1	1
Dept.	2	1

1 0 0 7 - 2
5 0 6 + 1
SUB TOTAL
= CA / AMT / TEND

• 1•00	2*	—	Taxable Amount
• 0•50	1*	—	Taxable Amount
• 1•50	TA	—	Taxable Amount
• 0•06	TX	—	Tax
• 1•56	CA	—	Cash Sales

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



2-3 Check Sales

Example

Unit Price	\$35.00
Quantity	2
Dept.	4

Operation	Printout
------------------	-----------------

3 5 0 0 **9** \div **4**

9 \div **4**

SUB
TOTAL

CHK
/NS

•35•00 4*

•35•00 4*

•70•00 TA

•2•80 TX

•72•80 CK — Check Sales

2-4 Change the Tax Status

(Programming: See page 22)

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2
Preset Status	Taxable 1	Taxable 1
This Registration	Non-taxable	Taxable 1

1 0 0 **RA**
/TS

6 \div **1**

2 0 0 **7** $-$ **2**

= **CA** / **AMT**
TEND

•1•00 1

•2•00 2 TX

•2•00 TA

•0•08 TX

•3•08 CA

2-5 Manual Tax

Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Depts.	1	2

1 0 0 **6** \div **1**

1 0 **%**
CL#

2 0 0 **7** $-$ **2**

= **CA** / **AMT**
TEND

•1•00 1*

•0•10 TX # — Manual Tax Symbol

•2•00 2*

•3•00 TA

•0•12 TX

•3•22 CA

% **CL#** key is programmed to function as a Manual Tax key (see page 24).

2-6 PLU operation

(Programming: See page 27)

Example

PLU No.	1	2
Unit Price	\$1.00	\$2.00
Quantity	2	4
Link Dept. No.	1	1
Cash Amount tendered	\$10.40	

1 PLU
PLU
4 X / FOR DATE TIME
2 PLU
= CA / AMT TEND

001	•1•00	*	PLU No.
001	•1•00	*	Repeat
	4	X	Multiplication Symbol
	•2•00	@	Preset Unit Price
002	•8•00	*	
	•10•00	TA	
	•0•40	TX	
	•10•40	CA	Cash Amount Tendered

2-7 PLU Single-Item Sale

(Programming: See page 27)

Example

PLU No.	1
Status	Single item sale
Unit Price	\$1.00
Quantity	1

1 PLU

001	•1•00	*	PLU No.
	•1•00	TA	Taxable Status Symbol
	•0•04	TX	Taxable Amount
	•1•04	CA	Tax

- For this example, linked department 1 is programmed for a single-item-sale. (Programming: See page 23)
- Single-item sale cannot be finalized if an item is registered previously.

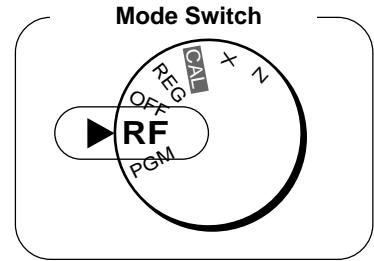
2-8 Split cash/ check sales

Example

Unit Price	\$30.00	\$25.00
Quantity	1	1
Depts.	2	3
Cash Amount tendered	\$20.00	
Check	\$37.20	

3 0 0 0 - 2
2 5 0 0 x 8
SUB TOTAL
2 0 0 0 = CA / AMT TEND
CHK / NS

•30•00	2*
•25•00	3*
•55•00	TA
•2•20	TX
•57•20	ST
•20•00	CA
•37•20	CK

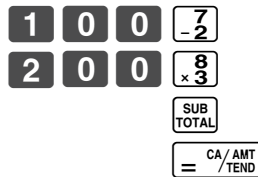


2-9 Refund



Example

Unit Price	\$1.00	\$2.00
Quantity	1	1
Dept.	2	3



13-55 0040	RF	Refund Mode Symbol
•1•00	2*	
•2•00	3*	
•3•00	TA	
•0•12	TX	
•3•12	CA	

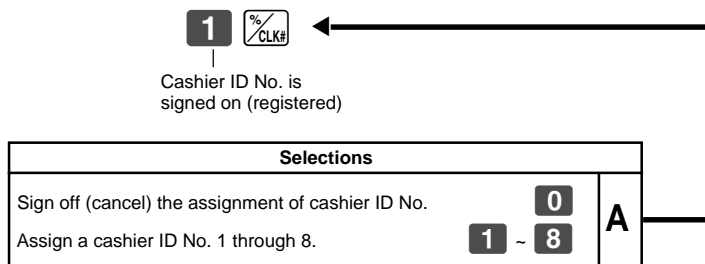
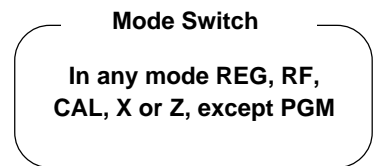
After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-10 Cashier Assignment

(Programming: See page 25)

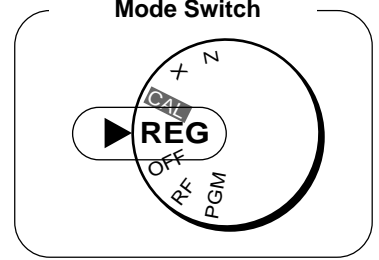
Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 25, you can get 8 cashiers (or clerk) sales data.

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



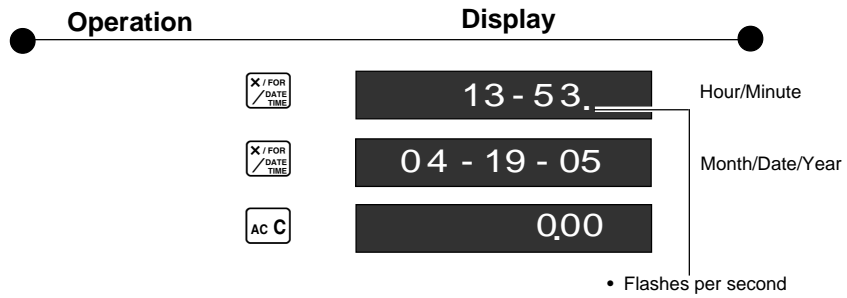
- Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- The assigned cashier (or clerk) sales totals with ID number are printed on the receipt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

Mode Switch

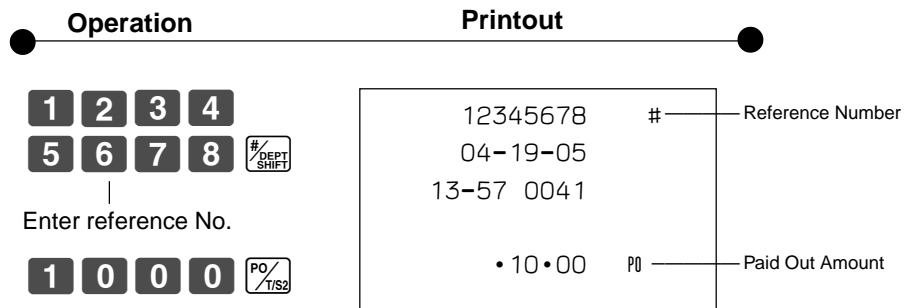


2-11 Other registrations

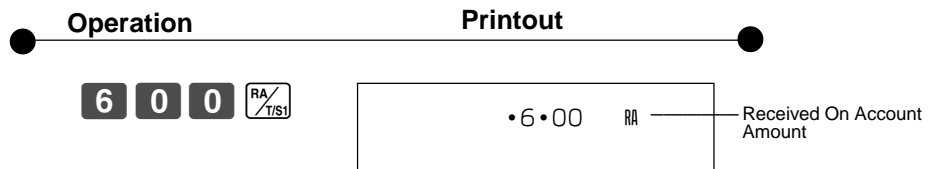
2-11-1 Reading the Time and Date



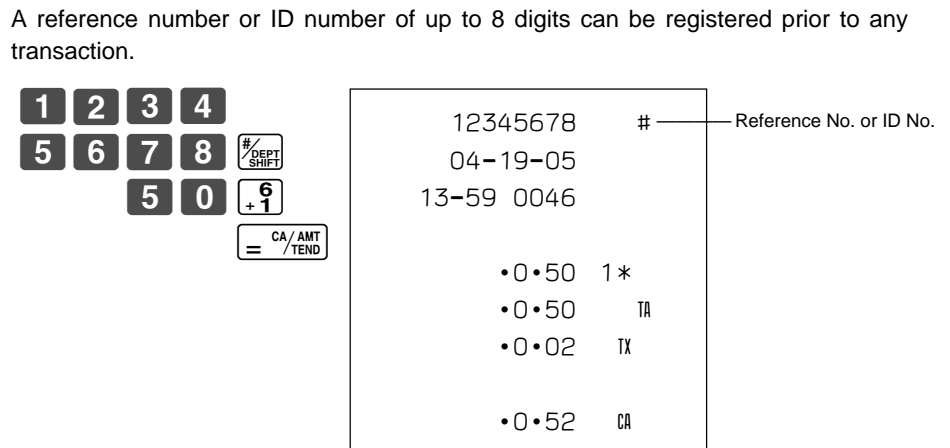
2-11-2 Paid out from cash in drawer



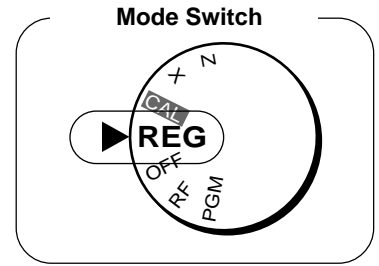
2-11-3 Cash received on account



2-11-4 Registering identification numbers



Part-2



2-11-5 Reduction on subtotal

Operation

Printout

Example
Amount due reduced by \$0.50.

1 0 0 6
+ 1
2 0 0 9
÷ 4
 SUB
 TOTAL
5 0 ERR
— CORR
 = CA/AMT
 /TEND

•1.00	1*
•2.00	4*
•3.12	ST
-0.50	
•3.00	TA
•0.12	TX
•2.62	CA

See page 22 to print the subtotal line.

2-11-6 Premium/Discount

- 2.5% premium/discount (programmed to $\frac{\%}{\text{CLK}}\#$ key) applied to first item.
- Be sure to use $\frac{\text{MD}}{\text{ST}}$ key when you wish to apply a premium/discount to the subtotal. You cannot use the $\frac{\text{SUB}}{\text{TOTAL}}$ key.
- 7% premium/discount applied to transaction total.
- For programming the $\frac{\%}{\text{CLK}}\#$ key as percent minus or percent plus, see page 24.
- For programming percent rate, see page 22.

1 0 0 6
+ 1
 $\frac{\%}{\text{CLK}}\#$
2 0 0 7
- 2
3 0 0 6
+ 1
 $\frac{\text{MD}}{\text{ST}}$
7 $\frac{\%}{\text{CLK}}\#$
 = CA/AMT
 /TEND

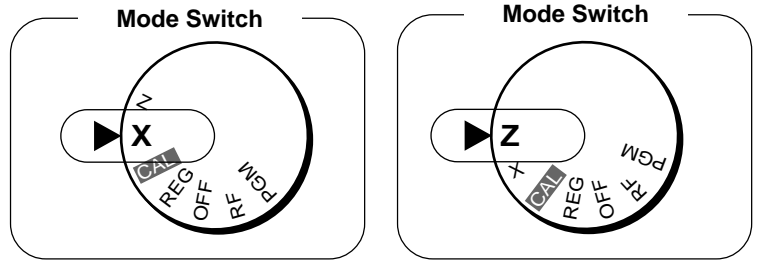
Premium

•1.00	1*
2.5	% — Premium Rate
•0.03	* — Premium Amount
•2.00	2*
•3.00	1*
•6.03	ST — Subtotal
7	% — Premium Rate
•0.42	* — Premium Amount
•6.03	TA
•0.24	TX
•6.69	CA

Discount

•1.00	1*
2.5	% — Discount Rate
-0.03	* — Discount Amount
•2.00	2*
•3.00	1*
•5.97	ST — Subtotal
7	% — Discount Rate
-0.42	* — Discount Amount
•5.97	TA
•0.24	TX
•5.79	CA

2-12 PLU report



Operation **Printout**

Mode Switch to **(X)**
(Read)

Mode Switch to **(Z)**
(Reset)

0 1 = CA/AMT / TEND

```

04-19-05
19-35 0073

01 0001 Z
001 12
  •12•00
002 27
100
  •180•00

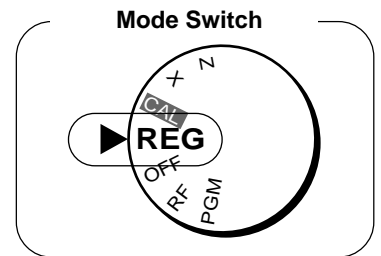
1284
•10856•89
    
```

Z — Report code/Reset Counter
 — PLU No./No. of items
 — Amount
 — PLU total count
 — PLU total amount

Part-2

2-13 About the daylight saving time

It is possible to set the internal clock forward/backward by 1~9 hour(s) for the daylight saving time.



Operation **Display**

• Forward by 1 hour

/ FOR DATE TIME

12 - 34

* **1**

12 - 34 (blinking)

/ FOR DATE TIME

13 - 34

Set forward by 1 hour.

AC **C**

0.00

• Backward by 1 hour

/ FOR DATE TIME

12 - 34

- 7 / 2

12 - 34 (blinking)

* **1**

12 - 34 (blinking)

/ FOR DATE TIME

11 - 34

Set backward by 1 hour.

AC **C**

0.00

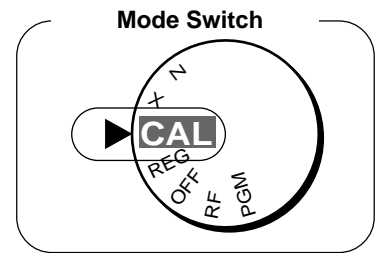
*Put **2 ~ 9**, in case of set the clock by 2~9 hours.

Part 3

CALCULATOR FUNCTION

1. 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

Operation	Display
$5 + 3 - 2 =$ $(23 - 56) \times 78 =$ $(4 \times 3 - 6) \div 3.5 + 8 =$ 12% on 1500	<div style="border: 1px solid black; background-color: #333; color: white; padding: 5px; margin-bottom: 5px;">C 0</div> <div style="border: 1px solid black; background-color: #333; color: white; padding: 5px; margin-bottom: 5px;">6.</div> <div style="border: 1px solid black; background-color: #333; color: white; padding: 5px; margin-bottom: 5px;">-2574.</div> <div style="border: 1px solid black; background-color: #333; color: white; padding: 5px; margin-bottom: 5px;">9.7142857</div> <div style="border: 1px solid black; background-color: #333; color: white; padding: 5px;">180.</div>
$5 +_1^6 3 -_2^7 2 =$ CA/AMT/TEND $2 3 -_2^7 5 6 \times_3^8 7 8 =$ CA/AMT/TEND $4 \times_3^8 3 -_2^7 6 \div_4^9 3 \cdot 5 +_1^6 8 =$ CA/AMT/TEND $1 5 0 0 \times_3^8 1 2 =$ %CLK#	

1-2 Memory recall

Recalls the current amount onto the display.

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

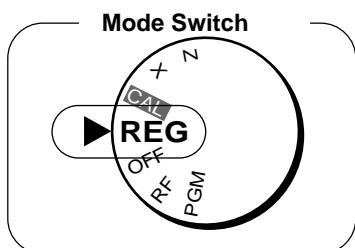
On CAL mode

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

Operation	Display
$PLU \div_4^9 3 =$ CA/AMT/TEND Memory recall	<div style="border: 1px solid black; background-color: #333; color: white; padding: 5px;">10.</div>

On REG mode

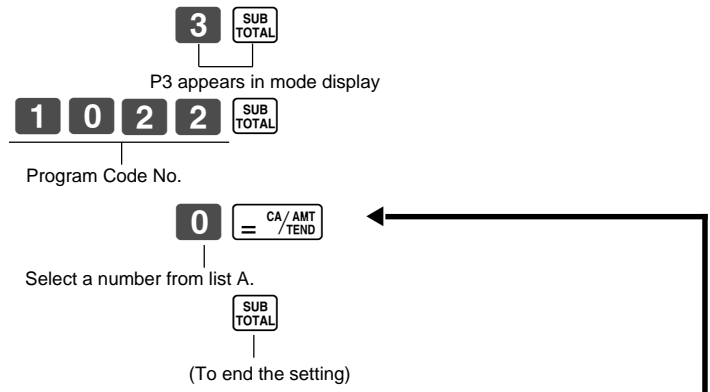
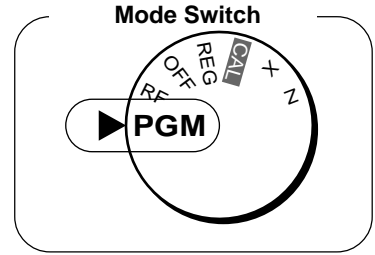
Recalls the current result by pressing $=$ CA/AMT/TEND key at CAL mode on the display.



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

Operation	Printout
$PLU =$ CA/AMT/TEND $PLU =$ CA/AMT/TEND $PLU =$ CA/AMT/TEND Memory recall	<pre> •10.00 1 •20.00 2 •30.00 ST •10.00 CA •10.00 CA •10.00 CA •0.00 CG </pre>

1-3 Setting for calculator operation



			Selections	
Open drawer whenever = CA/AMT /TEND is pressed.*				
Open drawer whenever CHK HS is pressed.				
Print No. of Equal key operations on General Control X and Z reports.				
Yes	No	No	0	A
		Yes	1	
	Yes	No	2	
		Yes	3	
No	No	No	4	
		Yes	5	
	Yes	No	6	
		Yes	7	

* Drawer does not open during registration procedures even if you press = CA/AMT
/TEND by turning the mode switch to CAL position.

Part-3



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 .
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 or time 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.
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

Receipt: 14 digits (Amount 10 digits, Symbol 3 digits)
 (or journal) Automatic paper roll winding (journal)
 Paper roll: 58 mm × 80 mm Ø (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, R6P (SUM-3) or LR6 (AM-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: 8"(H)×13"(W)×14 3/16"(D) with S drawer
 (203 mm(H)×330 mm(W)×360 mm(D))

Weight: 9 lbs (4.1 kg) with S drawer

Specifications and design are subject to change without notice.

**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

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