CASIO

Quick Set Up Guide
TE-4000/4500
Shared Check Tracking
Floating Clerk
&
Shared Kitchen Printing

November 2003

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TK- 4000 QUICK SET UP GUIDE CHAPTERS

Chapter 1 Hardware and Cable Specifications

Chapter 2 Loading the IPL Via CF Card and PC

Chapter 3 Initialising the Terminal

Chapter 4 Memory Allocation

Chapter 5 Function Keys

Chapter 6 Setting up the In-line network

Chapter 7 Setting up shared check tracking

Chapter 8 Setting up floating clerk

Chapter 9 Setting up shared printing

Chapter 10 Simple time and Attendance

Chapter 11 Downloading graphic logo’s

Chapter 12 CF Card functions and In-line send and receive

Chapter 13 Dallas key set up

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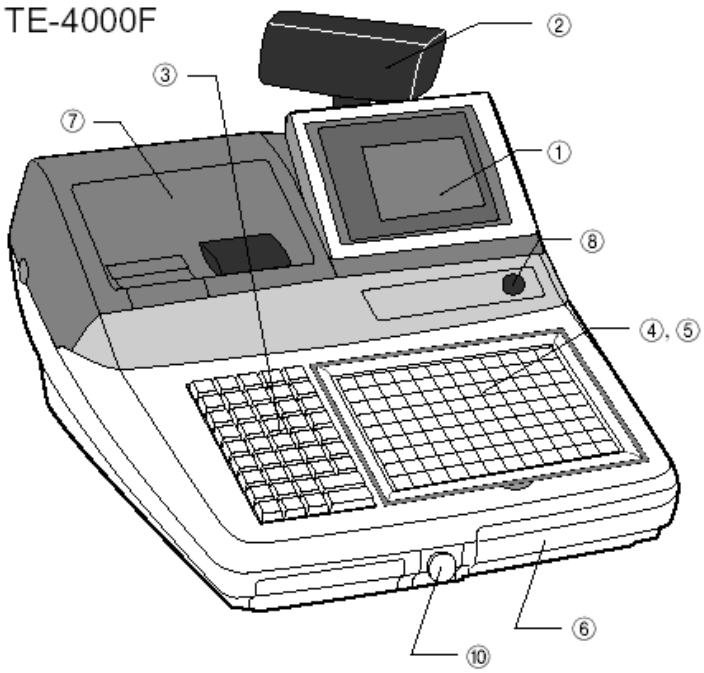
CHAPTER 1

HARDWARE CONFIGURATION



Hardware configuration

General configuration

① Operator display
② Customer display (Popup display)
③ Stroke keyboard
④ Touch keyboard
⑤ Sheet holder
⑥ CF card slot cover
⑦ Printer cover
⑧ Mode switch
⑨ Power switch cover
⑩ Dallas key receiver (option)

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Cable Specifications

There are two types of In-line cables that can be used

(1) Casio In-line (ARCNET Selector switch 1)
(2) Cat-5A (Selector switch 2)

The type of cable being used is decided via the In-line selector switch located on the bottom of the terminal

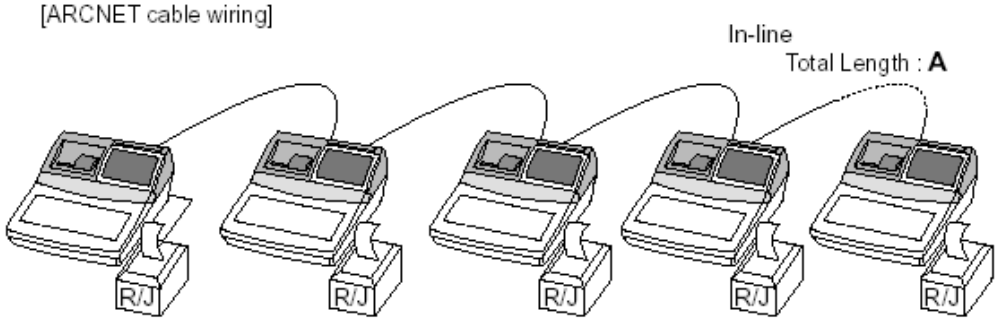
ARCNET Specification

7-1. ARCNET(INLINE1)

① ARCNET connection diagram

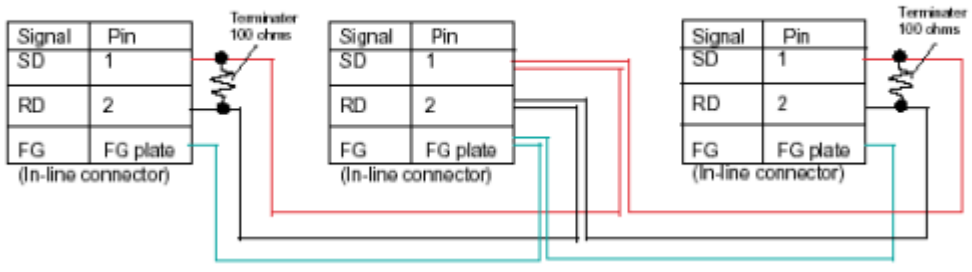
The maximum ARCNET cable length and the maximum connection unit will be varied by the in-line communication speed as shown below list.

[ARCNET cable wiring]

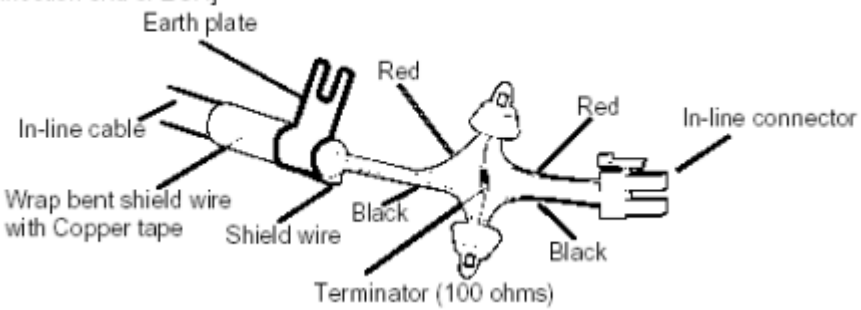


ARCNET communication speed (Baud rate)	Maximum connection unit	Maximum cable length **A** (m)
312.5 K bps	20	430
156.25 K bps	32	890

③ ARCNET Cable connection diagram



[Connection end of ECR]



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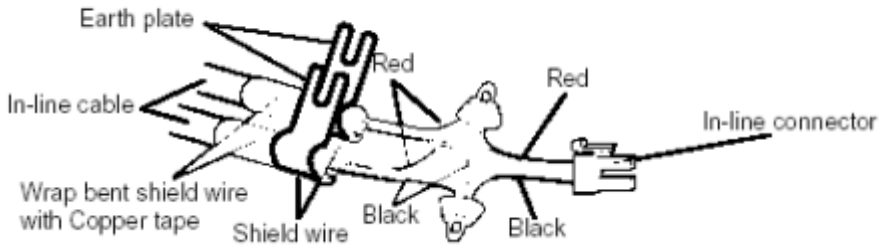
[Connection between ECR and ECR]



NOTE:

1) The earth plate should be fixed to the ground chassis.
2) When using the ARCNET, slide the switch at the bottom of ECR to RS485.

7-2. CATEGORY5 (INLINE2)

① Restrictions

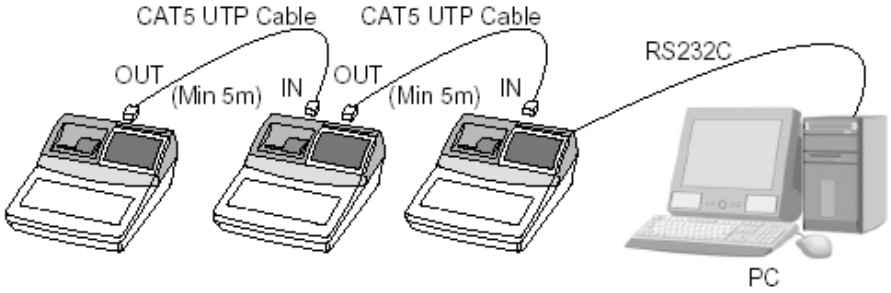
- Maximum number of units that can be connected is 32.
- HUB and rooter cannot be connected.
- With ARCNET simultaneous use impossible.
- Minimum cable length between units is 5 meters.

Maximun total length of the cable
4 units : 450m
8 units : 420m
32 units : 230m

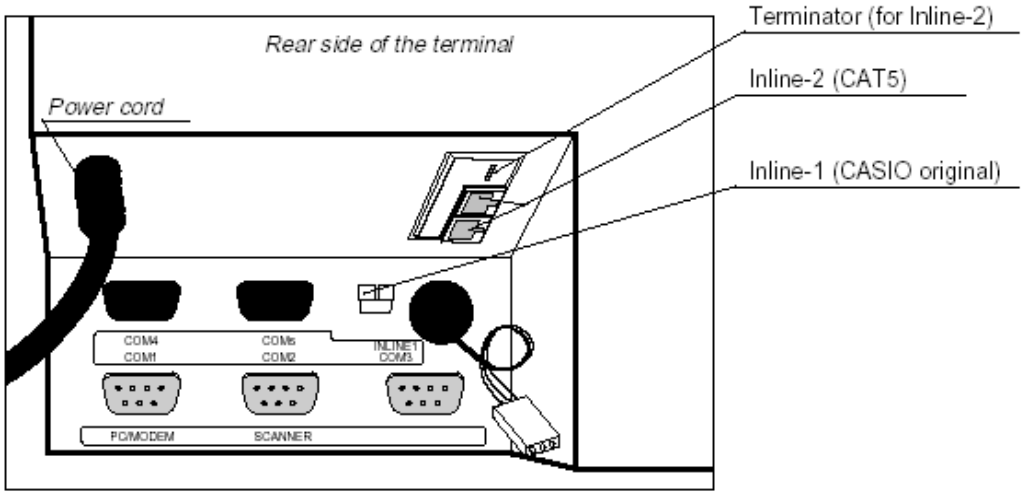
② APPLICATION

- Auto PGM
- Sales Data Collection
- Shared Check Tracking
- Shared Printer
- IPL

③ BLOCK DIAGRAM



④ Connection



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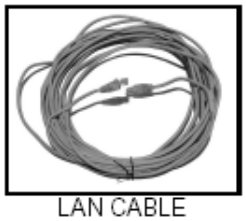
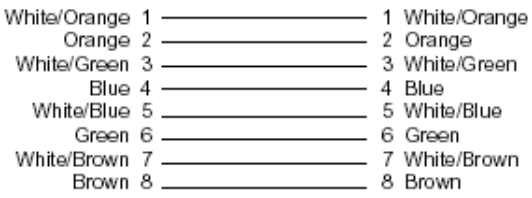
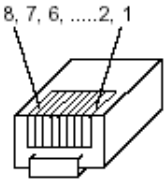


LAN CABLE





⑤ LAN cable specifications

CAT5 UTP Cable (TIA/EIA 568)
0.5mm x 4P Not shielded wire Twist pair cable

NOTE:

1) The power of all units which share the network must be turned on.
   If even one of them is OFF, normal communication cannot be done.
   If any of the units has a failure and its power is turned off, remove the unit from the network.
2) Communication speed of the categoly 5 is fixed 312.5kbps.
3) When using CAT5, slide the switch at the bottom of ECR to CAT5 side.

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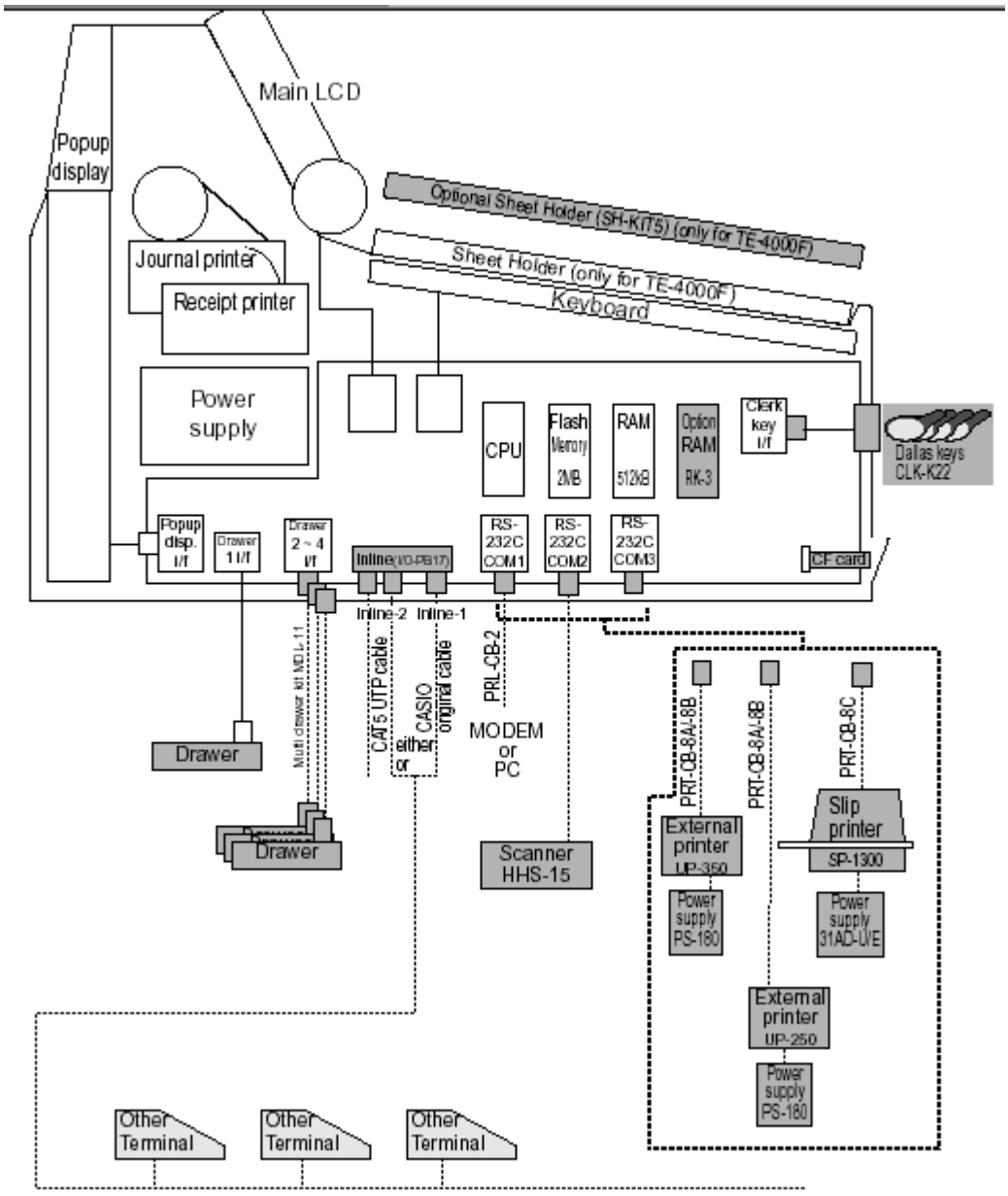
Hardware Specification

This diagram shows the hardware options for the TE-4000/4500

The shared items are all optional



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CHAPTER 2
LOADING THE IPL

QUICK SET UP 1

Required equipment

A PC and a CF card

A PRL-CB2 (RS232 / Laplink cable)

(1) Load the IPL file to the CF card
(2) Initialise the Terminal with 44449999 Sub-Total 0 Sub-total
(3) Insert the CF card into the front of the terminal
(4) Enter 20 Sub-Total

The IPL will now be loaded to your terminal

The next pages will show in detail the procedure of loading the IPL via both a CF card and via PC

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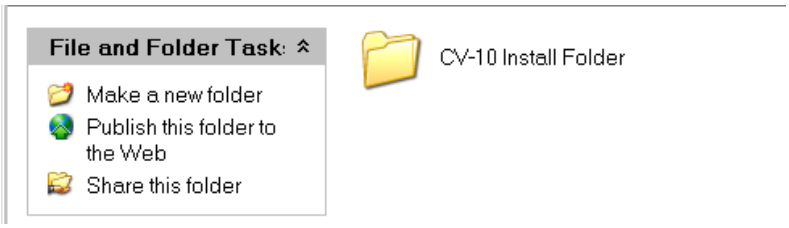
Loading the IPL via the CF card to the terminal

Go to the dealer companion CD

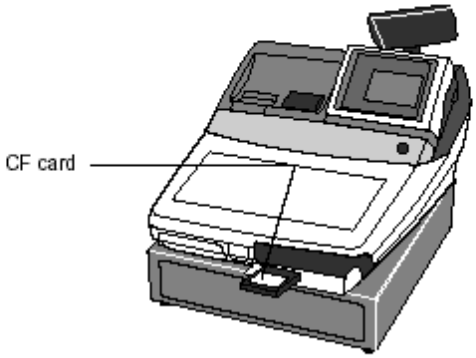
Double click on the TE-3000-4000-4500 IPL folder



Copy the file below to the CF card using a PC

On the cash register

Via CF card (to send the IPL data to register)



Never plug/unplug the CF card during IPL.

Operation

1. Set the mode switch to PGM position and turn off the power switch. (Refer page 14 of this manual for the location of the power switch.)
2. Open the CF card slot door and insert the CF card securely.
3. While holding down the <JOURNAL FEED>, turn on the register.
4. Release <JOURNAL FEED> after the register shows "INIT".
5. Enter "44449999" and press <SUBTOTAL>.
6. Enter "20" and press <SUBTOTAL>.

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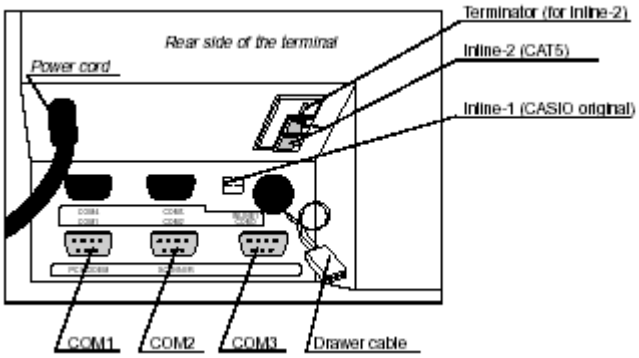
Loading the IPL via PC

Plug your PRL-CB2 RS-232 standard lap link cable in to Com 1



Wiring diagram

② PC Cable wiring

TE-3000S/4000F/4500F (Com1)

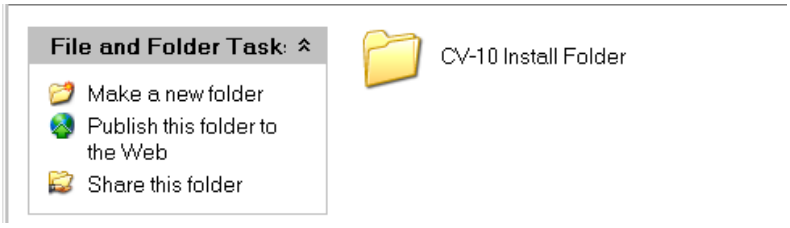
Pin No.	Signal name
3	SD/TXD
2	RD/RXD
7	RS/RTS
8	CS/CTS
1	CD/DCD
4	ER/DTR
6	DR/DSR
9	CI/RI
5	GND

PC

Pin No. (DSUB9)	Pin No. (DSUB25)	Signal name
3	2	SD
2	3	RD
7	4	RS
8	5	CS
1	8	CD
4	20	ER
6	6	DR
-	22	CI
5	7	GND

Load CV-10 to your PC

This file can be found on your Dealer Companion CD



Go in to the CV-10 folder and double click on C_comw Icon

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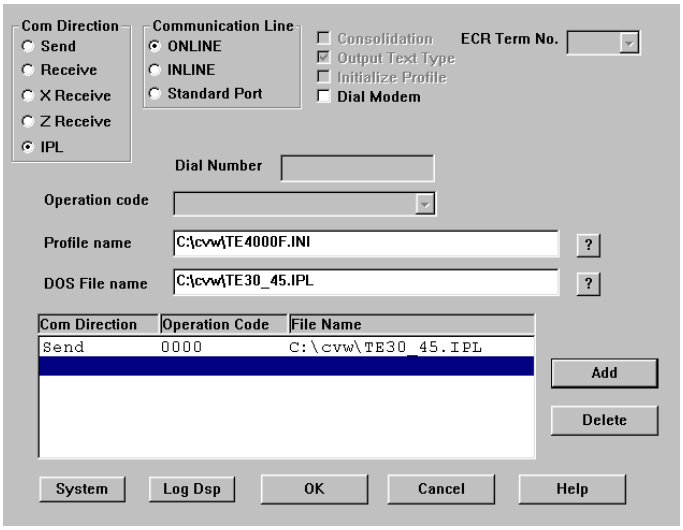
You should see this screen

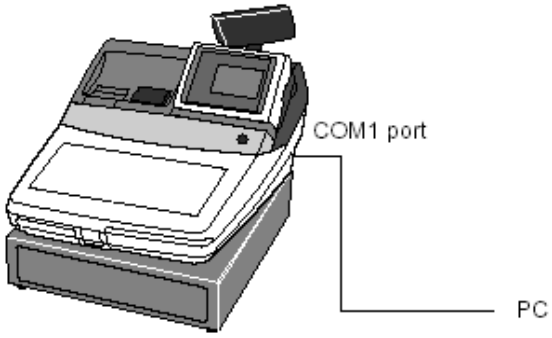


(1) Set the Com direction to IPL
(2) Set Communication line to online
(3) Select profile name TE-4000.ini
(4) Select the dos file name to TE30_45.ipl
(5) Press the add key the screen should look the same as the above

On the cash register

System configuration and procedure

Via COM1 port (to receive IPL data from PC)



Operation

1. Set the mode switch to PGM position and turn off the power switch. (Refer page 14 of this manual for the location of the power switch.)
2. While holding down the <JOURNAL FEED>, turn on the register.
3. Release <JOURNAL FEED> after the register shows "INIT".
4. Enter "44449999" and press <SUBTOTAL>.
5. Enter "0" (communication speed: 38400 bps) and press <SUBTOTAL>.
6. Start the IPL program of the PC.

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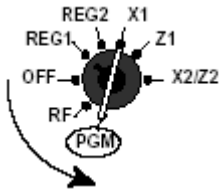
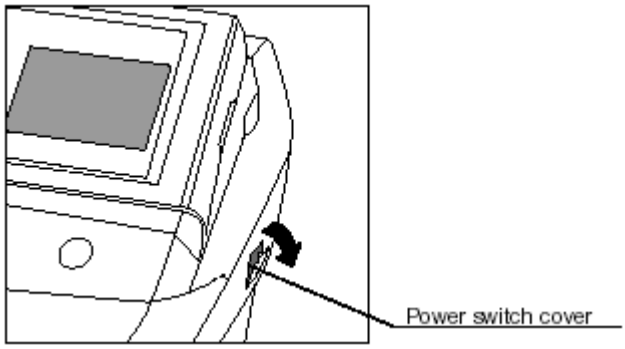
CHAPTER 3
INITIALISING THE TERMINAL

QUICK SET UP 2

Turn the key to program



Switch the power switch off at the side of the terminal



Hold down the journal feed key

Switch the power switch on at the side of the terminal

Keep holding down the journal key until you see 10 zero's

Enter 10820 (clerk buttons) or 10830 (secret numbers) sub-total
Enter zero sub-total or sub-total by itself if the terminal is In-line

The next pages will show you in detail the initialisation process of the TE-4000/4500 Range of terminals

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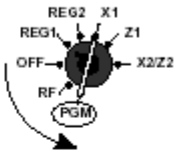
How to Initialises the cash register in detail

Initialization

Machine initialization procedure

1. Plug the power cord into an AC outlet.

2. Set the mode switch to PGM position and turn off the power switch.
(Refer page 14 of this manual for the location of the power switch.)



3. While holding down <JOURNAL FEED>, turn on the register.

4. Release <JOURNAL FEED>.
You should see "0000000000" on the display.
If 10 zeros are not shown or another character are shown, immediately set the mode switch to OFF and restart from the beginning of this procedure.

5. Enter 11-digit program code from the worksheet.
6. Press <SUBTOTAL> to register the program code.
(Wait until beep twice.)

$D_{11}D_{10}D_9D_8 \sim D_3D_2D_1$ [SUB TOTAL]
refer to Worksheet (Initialize 1)

7. In case of installing inline system,
enter 3-digit program code from the worksheet.
8. Press <SUBTOTAL> to register the program code.

$D_3D_2D_1$ [SUB TOTAL]
refer to worksheet (Initialize 2)

After completion of initialization and program loading, initialization receipt is issued.

Please turn on and initialize the register in order, if your registers are connected with inline.
The ID number of registers are defined automatically.
(Do NOT turn off the register(s) until all register has been initialized.)

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Enter 10820 for clerk push down buttons
Enter 10830 for clerk secret numbers

Worksheet (Initialize 1)

Model for U.S. or Canada (Date order: month/day/year) = 2, German (Date order: day/month/year) = 4, Other area (000, Date order: day/month/year) = 1, Other area (0, Date order: day/month/year) = 3		Significant number	D_5
Fixed value: TE-3000S: 15, 20, 30 (dependent upon number of department keys) TE-4000F, TE-4500F: 08		Significant numbers	D_4 D_3
Use ① clerk switch (clerk push switch)/ ② Dallas key or clerk secret number key *	a	① = 0 ② = 1	(a+b) D_2
Initialization pattern: ① For scanning/② For check tracking	b	① = 0 ② = 2	
Use Euro only.		No = 0 Yes = 1	D_1

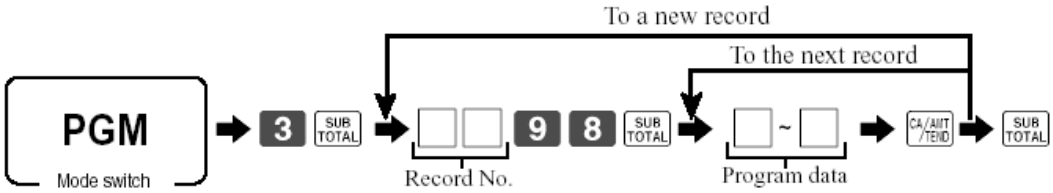
Press sub-total to detect machine number automatically
Or
Enter machine number sub-total to choose the machine number

Worksheet (Initialize 2)

Description	Choice	Program code
Inline baud rate	156 kbps = 1 312 kbps = 0	D_3
Inline physical I.D. (01 ~ 32)	Significant numbers	D_2 D_1

To reprogram the terminal ID after initialisation

Programming procedure



Note: Please perform the following procedure after this program.
1. Power off the register, and connect all peripheral devices to COM ports.
2. Power on all peripheral devices.
3. Flag clear the register.

Program data (Address 04: for inline port)

Description	Choice	Program code
Baud rate: 312 kbps = 0, 156 kbps = 1	Significant number	D_2
Physical ID No. (01 ~ 32)		D_2 D_1

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CHAPTER 4
MEMORY ALLOCATION

Quick set up 3

Setting up the memory allocation for shared clerk interrupt, check tracking and shared printing.

This allocation will give you 20 clerks and 100 tables

Enter 07 SUB TOTAL then enter 20 CA/AMT/TEND

Enter 11 SUB TOTAL then enter 200 CA/AMT/TEND

Enter 15 SUB TOTAL then enter 100 CA/AMT/TEND

Enter 35 SUB TOTAL then enter 800 CA/AMT/TEND

Enter 49 SUB TOTAL then enter 800 CA/AMT/TEND

Enter 60 SUB TOTAL then enter 1500 CA/AMT/TEND

Enter 93 SUB TOTAL then enter 7 CA/AMT/TEND

This completes the simple set up of check tracking files
The next pages will explain the memory allocation in detail

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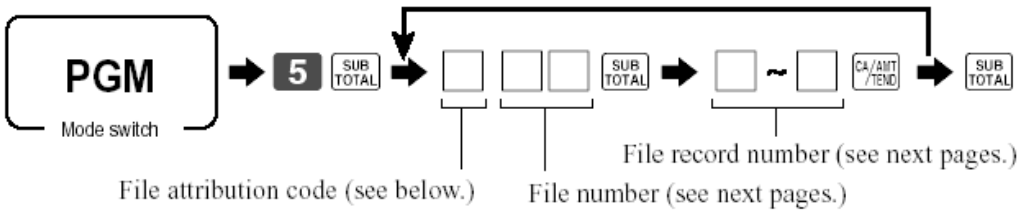
Memory allocation

File definition codes
Enter the file code 1, 2, 3, 4, 5 before the file number

File allocation (Program 5)

File allocation program

Programming procedure



File attribution code	daily sales	Periodic 1	Periodic 2	Consolidation file		
				Daily sales	Periodic 1	Periodic 2
0	✔					
1	✔	✔				
2	✔	✔	✔			
3	✔			✔		
4	✔	✔		✔	✔	
5	✔	✔	✔	✔	✔	✔

The new files in the memory allocation

File 019 Time and Attendance / File 061 Employee File

Time and attendance files							
019	Time and attendance	16	99		Sales	Yes	0
061	Employee	17	99		Program	Yes	10

File 027 Dallas Key ID

027	Dallas key ID	14	200		Program	Yes	10

File 035 Printer Buffer for Remote/Shared Printer

035	Print buffer (for remote printer)	100	1500		Buffer	Yes	0

File 069 LCD Colour Control File

069	LCD backlight color control	5	9		Program	Yes	9

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Memory Allocation sheets

System files

File No.	File description	Record length	Max No. of records	Description	Attribu-tion	Allocat-able	Default Rec. No.
System files							
089	Consecutive number work	6	1		Work	No	1
091	Terminal connection table	12	32		Program	Yes	32
093	Printer connection table	5	7		Program	Yes	3
094	Start date	4	1		Buffer	No	1
095	Initialize code	7	1		Program	No	1
096	AT command	62	2		Program	Yes	2
097	Online password	8	1		Program	Yes	1
098	I/O parameter table	8	4		Program	No	4
099	System error log	11	99		Buffer	Yes	99

Check files

Check files							
015	Check index	300	200		Buffer	Yes	(60)*C
056	Separate check buffer	100	1500	*A	Buffer	Yes	(80)*C
060	Check detail	100	9999		Buffer	Yes	(900)*C

Clerk files

Clerk files							
007	Clerk	38	99		Program	Yes	15
030	Clerk detail link	9	200		Program	Yes	10
011	Clerk detail	10	200 × 99		Sales	Yes	150
---	(periodic total 1)	10	200 × 99		Sales	Yes	150
---	(periodic total 2)	10	200 × 99		Sales	Yes	0
---	(daily consolidation)	10	200 × 99	*A	Sales	Yes	0
---	(periodic 1 consolidation)	10	200 × 99	*A	Sales	Yes	0
---	(periodic 2 consolidation)	10	200 × 99	*A	Sales	Yes	0
027	Dallas key ID	14	200		Program	Yes	10

Scanning files

Scanning PLU files							
016	Scanning PLU	51	25000		Pgm/Sale	Yes	(6000)*B
017	Not found PLU	26	100		Pgm/Sale	Yes	(50)*B
040	Non PLU table	8	100		Program	Yes	(10)*B
051	Mix & match table	30	99		Pgm/Sale	Yes	0
---	(periodic total 1)	10	99		Sales	Yes	0
---	(periodic total 2)	10	99		Sales	Yes	0
---	(daily consolidation)	10	99	*A	Sales	Yes	0
---	(periodic 1 consolidation)	10	99	*A	Sales	Yes	0
---	(periodic 2 consolidation)	10	99	*A	Sales	Yes	0
070	Batch maintenance PLU	40	1000		Program	Yes	(100)*B
071	Direct maintenance PLU	40	1000		Program	Yes	(50)*B
072	Not found PLU batch maintenance	40	400		Program	Yes	(200)*B
075	Not found PLU maintenance work	26	100		Buffer	Yes	(50)*B
076	Scanning PLU index	2	S-PLU + 2		Buffer	Automatic	(6002)*B
077	One touch NLU table	7	999		Program	Yes	(10)*B

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Arrangement file							
038	Arrangement table	11	9999		Program	Yes	0
Program / message / buffer files							
022	General control	5	37		Program	No	37
023	Special character	16	42		Program	No	42
024	Report header	12	26		Program	No	26
025	Tax table	74	10		Program	Yes	4
028	Set menu table	60	999		Program	Yes	(10)*C
029	Batch X/Z	23	10		Program	Yes	4
032	Receipt message	24	42		Program	Yes	4
033	Check endorse message	40	4		Program	Yes	0
034	Slip/local/remote printer message	40	42		Program	Yes	0
035	Print buffer (for remote printer)	100	1500		Buffer	Yes	0
036	Registration buffer	100	1200		Buffer	Yes	80
039	Character recall	40	999		Program	Yes	10
041	Check print	3	9		Program	Yes	0
046	Character key table	6	108		Program	No	108
047	Graphic logo	56	168		Program	Yes	168
049	Print buffer (for local printer)	50	1800		Buffer	Yes	0
054	PLU 2nd @	32	9999		Program	Yes	0
062	Scheduler	22	99		Program	Yes	0
065	Order character	12	99		Program	Yes	0
067	Graphic logo (for local/remote printer)	56	168		Program	Yes	0
068	Watermark print	56	168		Program	Yes	0
069	LCD backlight color control	5	9		Program	Yes	9
073	Bottle link table	4	999		Program	Yes	0
074	Key table	24	150		Program	No	150
078	Miscellaneous message	16	58	*D	Program	Yes	0
079	Printing guidance message	24	85	*D	Program	Yes	0
080	Error message	16	238	*D	Program	Yes	0
081	Registration guidance message	16	23	*D	Program	Yes	0
082	X/Z guidance message	16	48	*D	Program	Yes	0
083	Program guidance message	16	93	*D	Program	Yes	0
086	Slip print buffer	40	500		Buffer	Yes	0

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CHAPTER 5
FREE FUNCTION KEYS

QUICK SET UP 4

The following instructions will allow you to program the function keys needed to use check tracking, clerk interrupt and shared printing.

New Old Check key

Enter 93 then press the key position

New Balance Key
Enter 06 then press the key position

Covers Key

Enter 43 then press the key position

Table Number key

Enter 58 then press the key position

Table Transfer

Enter 14 then press the key position

Add Check

Enter 94 then press the key position

Separate check

Enter 95 then press the key position

The next few pages will explain the function keys in detail

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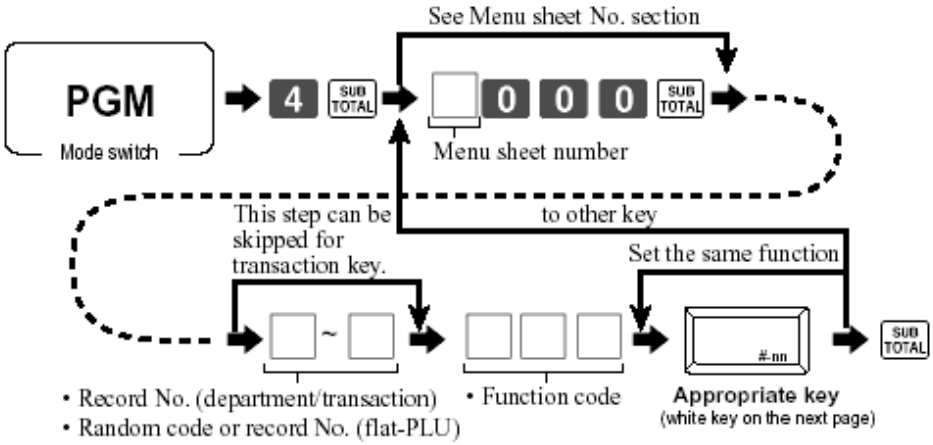
Key allocation (Program 4)

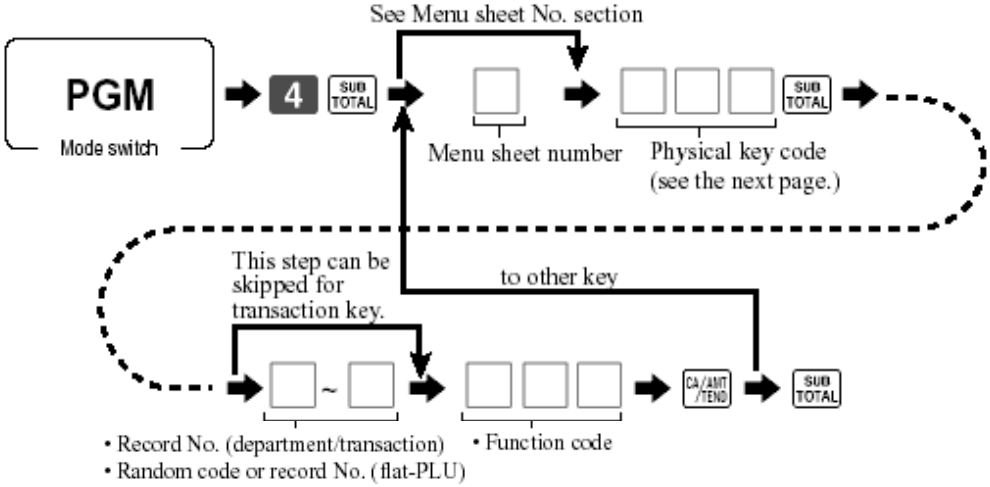
Key allocation program

Programming procedure

By pressing the appropriate key



By entering physical key code



Menu sheet number

Menu sheet number	Description (for transaction key)	Description (for Dept/flat-PLU)
0 or skip entering	Set a function to the 1st ~ 6th menu sheets.	Set a function to the programmed menu sheet.
1	Set a function to the 1st menu sheet.	Set a function to the 1st menu sheet.
2	Set a function to the 2nd menu sheet.	Set a function to the 2nd menu sheet.
3	Set a function to the 3rd menu sheet.	Set a function to the 3rd menu sheet.
4	Set a function to the 4th menu sheet.	Set a function to the 4th menu sheet.
5	Set a function to the 5th menu sheet.	Set a function to the 5th menu sheet.
6	Set a function to the 6th menu sheet.	Set a function to the 6th menu sheet.

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Keyboard Worksheet

Function	Code	Initial character
Add check	094	ADD CHK
Arrangement	044	ARG
Bill copy	047	BILL
Bottle return	053	BR
Cancel	236	CANCEL
Cash amount tendered	001	CASH
Charge	002	CHARGE
Check endorsement	039	CK.E
Check print	012	CHKP
Check tender	003	CHECK
Clerk number	072	CLK#
Clerk transfer	013	CLK TRANS
Clock-in/out	108	CLOCK-IN/OUT
Coupon	023	COUPON
Coupon 2	036	CPN2
Credit	004	CREDIT
Cube	090	XXX
Currency exchange	045	CE
Customer number	043	CT
Decimal point	098	.
Declaration	061	DECLA
Department	nn051	DEPTnn
Deposit	025	DEPOSIT
Discount	028	%
Eat-in	128	EAT-IN
EBT tender	007	EBTTD
Enter	105	ENT
Error correct	034	CORR
Flat PLU	nnnn063	PLUnnnn
Food stamp status shift	059	F/S
Food stamp subtotal	081	FSST
Food stamp tender	005	FSTD
Ketten Bon	113	X/KETTEN
Loan	019	LOAN
Lock out unused key	000	
Manual tax	032	TAX
Media change	118	MEDIA CHG
Menu shift	064	MENU
Merchandise subtotal	080	MDST
Minus	027	-
Multiplication	082	X
New balance	006	NB
New check	091	NEW CHK
New/old check	093	NEW/OLD
Normal receipt	016	NRMRCT
No sale	042	NS
Non-add	040	#
Non-add/No sale	041	#/NS
OBR	103	OBR
Old check	092	OLD CHK
One touch NLU	138	NLU

Function	Code	Initial character
Open	067	OPEN
Open2	068	OPEN2
Open check	117	OPEN CHK
Operator number	078	OPE#
Operator read/reset	073	OPE X/Z
Paid out	021	PD
Pick up	022	P.UP
Plus	029	+
PLU	048	PLU#
Previous balance	026	PB
Previous balance subtotal	079	PBST
Premium	030	%+
Price	049	PRC
Price change	104	PRC CHG
Price inquiry	008	PRCINQ
Price shift	069	PRICE SHIFT
Quantity/for	083	QT
Rate tax	031	TAX
Recall	131	RECALL
Receipt	038	RCT
Receipt on/off	076	RCT ON/OFF
Received on account	020	RC
Red price	060	RED
Refund	033	RF
Review	071	REVIEW
Scale	088	SCALE
Separate check	095	SEP CHK
Slip back feed/release	054	SB/R
Slip feed/release	056	SF/R
Slip print	055	SLIP
Square	084	XX
Stock inquiry	009	STKINQ
Store	130	STORE
Subtotal	075	SUBTOTAL
Table number	058	TBL#
Table transfer	014	TBL TRANS
Takeout	129	TAKE-OUT
Tare	087	TARE
Tax exempt	062	EXEMPT
Tax status shift	057	T/S
Taxable amount subtotal	077	TAST
Text print	011	PRT
Text recall	010	CHAR
Three zero	097	000
Tip	015	TIP
Tray total	074	TRAY TL
Two zero	096	00
Unit weight	089	UNIT WEIGHT
Validation	037	VLD
VAT	046	VAT
Void	035	VOID

New Function Key

CLOCK IN/OUT which is used for the time and attendance function

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Function keys for Pubs and Restaurants

Add Check (94)

This function allows two open checks to be added together

Arrangement key (44)

This function allows you to program sequences of buttons and function for example you can program a cash key to have a preset price for automatic change calculation

Clerk Number key (72)

This function allows you to sign clerks on and off the cash register
You can use one key or multiple keys

Clerk transfer Key (13)

This Function allows you to transfer a balance from one clerk to another

Operation of clerk transfer

Sign on clerk
Enter Clerk number you want to transfer from and hit the clerk transfer key
Enter the clerk number you want to transfer to and hit the operator number key
Press the clerk transfer key

Customer number key (43)

This function allows you to enter the number of covers seating on a table

Ketten Bon (113)

This function allows you to produce individual stubs for each customer
It is used mostly in entrance machines
To use this function the PLU's must be set to go to an order printer

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New Balance (06)

This function is used to temporally finalise or hold a transaction

New / Old Check (93)

This function is used to open Checks / Tables

#/NS (041)

Used to open the drawer and for cash declaration operation

Operator Number Key (078)

This key is used when transferring a check from one clerk to another

Receipt (038)

This function allows you to produce post and guest receipts

Price shift (070)

This function allows you to have a second price for PLU's .
This is usually used for half pints and doubles

Separate Check (095)

This function is used to split a bill in to the number of people sitting at a table or the amount of people paying for the meal. Each Item of the bill can be separated into another temporary check/table for payment

Table Number Key (58)

This function is a table reference number
It can be possible in some applications that you are check/bill number 100 but setting at table number 1

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Table transfer (014)

This function allows you to transfer from one table to another.
If you program the status bit (1000000) to the function key it will allow you to add to a check that is already open.

This function can also be used to transfer sub-total balances for simple hotel specifications

Text Recall (010)

This function allows you to register pre-determined text

Tray Total (074)

This function allows you to get a sub-total of each tray in a canteen application

Notes

If you want to use clerk interrupt please make sure you have a NB key on the keyboard.

If you want to use a Slip printer please make sure you have a Slip print key on the keyboard.

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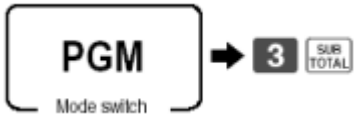
CHAPTER 6
SETTING UP THE IN-LINE NETWORK

QUICK SET UP GUIDE 5

This set up is designed for four terminals
Make sure all terminals have the correct Terminal ID's after initialisation

Master terminal



0191 SUB TOTAL 1100 CA/AMT/TEND

1200 CA/AMT/TEND

1200 CA/AMT/TEND

1200 CA/AMT/TEND

Send In-Line connection table to all terminals

Command code = 091

Your network is now configured to allow shared check tracking

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Setting up the In-Line network in detail

To set up the in-line network you must install the I/O PB-17 boards into each terminal.

There are 2 types of In-line network selectable via a selector switch, which can be found on the underside of the cash register

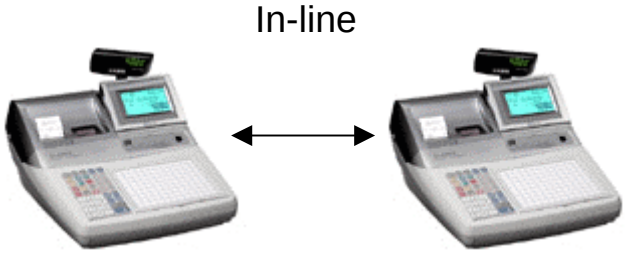
Selector switch position 1 = Casio In-Line (ARCNET)
Selector switch position 2 = Cat-5A Cable

Initialise the first terminal and the machine number will be MC#01connect the Casio or Cat-5 cable to the white Casio connector or the OUT port of Cat-5 board.

Master

Add the second cash register and plug the In-line cable into the white Casio connector or the IN port of the Cat-5 board

Initialise the cash register and check that the terminal has been recognised in the In-line network by checking that the MC# number is MC#02



Master Satellite

Add the third cash register to the network and plug the In-line cable into the white Casio connector or the OUT port of machine 2 to the IN port of the Cat-5 board.

Initialise the cash register and check that the terminal has been recognised in the In-line network by checking that the MC# number is MC#03

Copy the above for machine 4 looking for MC#04 after initialisation

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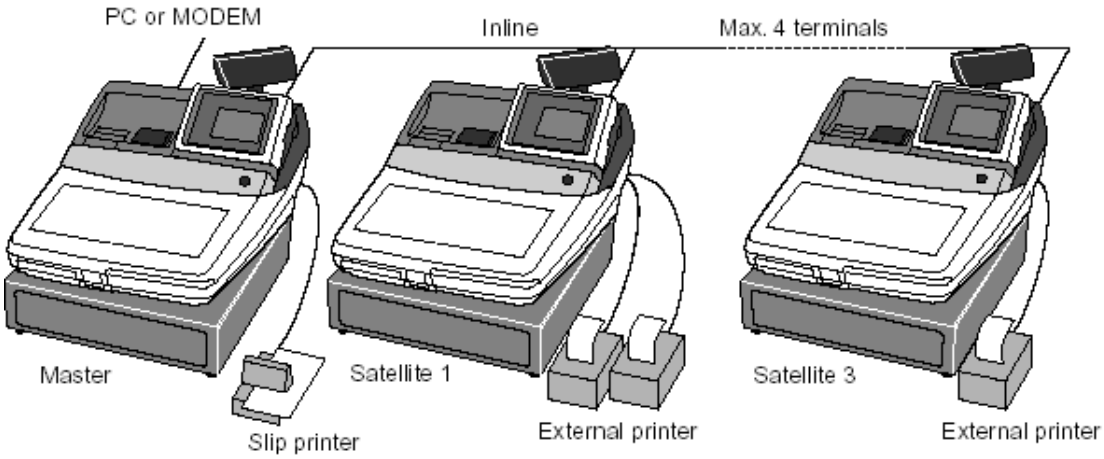
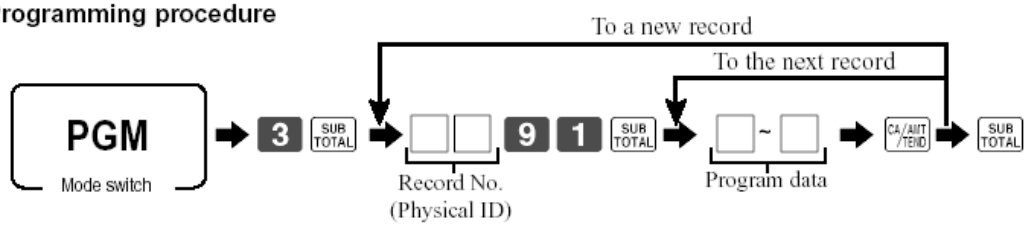


After all the terminals have MC#1, MC#2, MC#3, MC#4
You need to program the system connection table in each terminal to tell each machine what job it will be doing (Master/Slave)

Terminal connection table programming

Programming procedure



Note: Please follow step 1 and 2, after this program.
1. Send this (terminal connection table) file to all terminals.
2. Perform flag clear operation of all terminals.

Program data

Description	Choice	Program code
Terminal condition: Active = 1, Inactive * = 0	Significant number	D_4
Check tracking master: (program value) Self master = 0, Master = 1, Satellite = 2	Significant number	D_3
Check tracking master: (current status) Behaves as D_3 program = 0, Behaves as self master (master is cutoff).		D_2
Inline group No. (0 ~ 9) ("0" means no group link.)	Significant number	D_1

* Inactive: No data is sent/received from/to other terminal(s).

Program the records for each cash register on the master terminal
Please follow the procedure on the following page

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Example

For a 4 terminal system you would program the following in the In-Line connection table

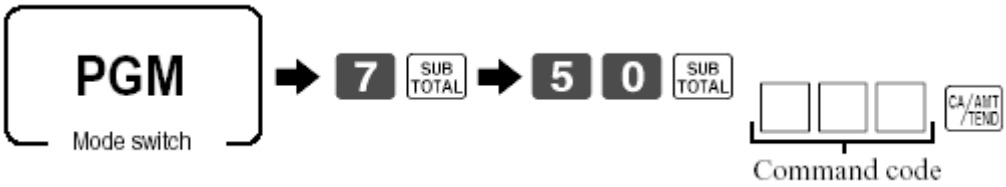
Record 1-91 Master Terminal = 1100
Record 2-91 1st Slave Terminal =1200
Record 3-91 2nd Slave Terminal =1200
Record 4-91 3rd Slave Terminal =1200

After programming these records make sure you flag Mac the Master terminal.

Sending the In-line connection table across the network

Follow the procedure below to send the In-line connection table across the network

Command code = 091



Your network is now configured to allow shared check tracking and floating clerk interrupt.

Please read the next three chapters to set up the flags to allow the use of Floating check, clerk and shared printing.

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Explanation of different types of check tracking systems

Master and Satellite/Slave system

Master Satellite Satellite

In this type of system the check tracking the detail is kept in the Check Tracking master.

This type of system allows you to float checks and clerks and share printers

Self Master System

Self Master Self Master Self Master

In this type of system the check tracking detail is kept in each cash register terminal

This type of system still allows you to consolidate sales figures at the end of the day, but does not allow the floating of Checks and Clerks

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CHAPTER 7
SETTING UP SHARED CHECK TRACKING

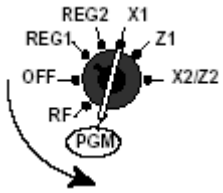
QUICK SET UP GUIDE 6

Make sure files 15 and 60 are allocated in memory allocation

Make sure you have at least a New/Old Check key and a New Balance function on the keyboard

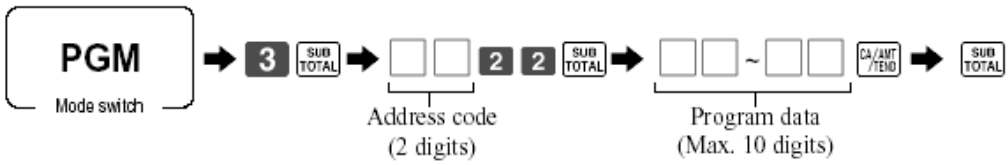
Setting the terminal up for Table Tracking

Turn the key to program



General control program

Programming procedure



Program data (by address code)

2622 SUB TOTAL 100000 CA/AMT /TEND

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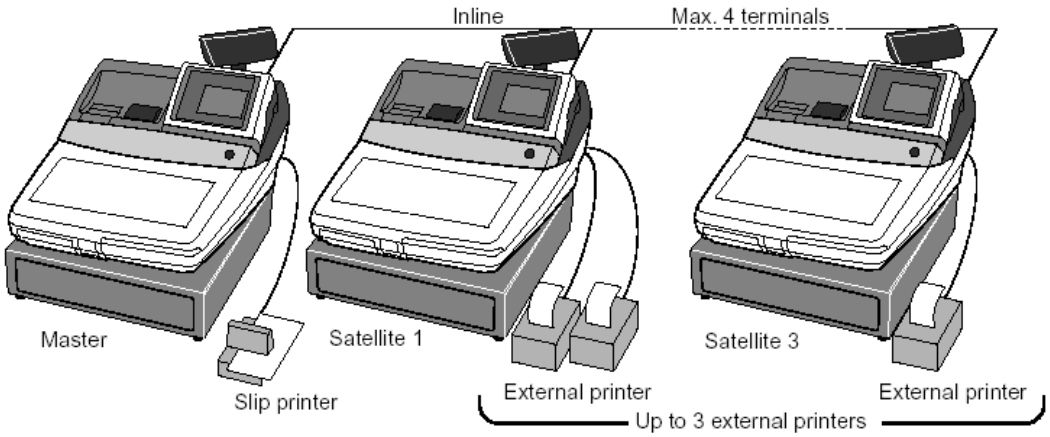
Setting up Shared check tracking in detail

Shared check tracking system

- Maximum 4 terminals
- Maximum 3 external printers
- Any terminal of this cluster can be used to recall a temporary closed check for additional registration or finalization.



If you plan to use clerk interrupt and check tracking you must follow the procedures below

In order to open a check you must first remove the clerk interrupt buffers from the clerks you wish to open checks.

Please note that clerks who can open checks can not do clerk Interrupt.

For the UK style of check tracking please change the 2622 code digit 6 to the table tracking method (1)

Address code 26 (check tracking)

Description		Choice	Program code	Initial value
Check tracking method: ① Check No., ② Table No.	a	① – 0 ② – 1	□ (a+b+c) D_6	0 (a+b+c) D_6
Enable to use auto new balance. (only effective for magnetic Dallas key)	b	No – 0 Yes – 2		
Maximum digit of check number: ① 6-digit, ② 12-digit (If you use "table analysis" or "table range", select ①.)	c	① – 0 ② – 4		
Tax calculation by new balance (Calculation result is not saved into totalizer.)		No – 0 Yes – 1	□ D_5	0 D_5
Enable to perform <NEW/OLD> during check tracking/clerk interrupt.	a	No – 0 Yes – 1	□ (a+b) D_4	0 (a+b) D_4
Print previous balance amount, when registration begins 0 with old check.	b	Yes – 0 No – 2		
Always "000"			0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

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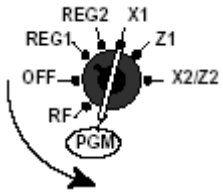
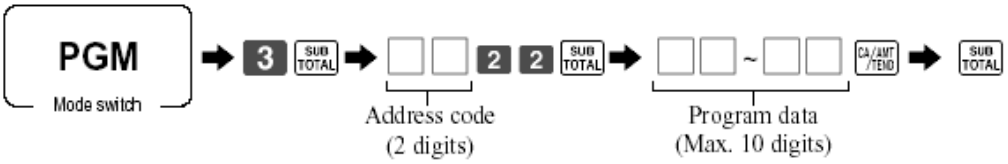
Turn the key to program



General control program

Programming procedure



Program data (by address code)

2622 SUB TOTAL 100000 CA/AMT /TEND

Master recovery procedure to reconnect the network

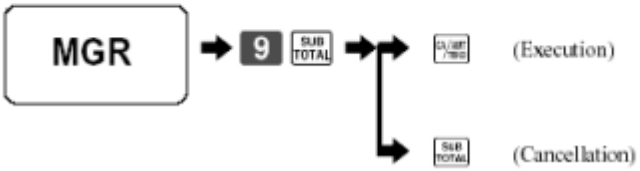
Note: MGR Mode is X position

Master re-connection

This operation is used for re-connection the master with the satellite that activates this command.

Procedure

1. Issue open check reset report from this satellite.
2. Follow this step.

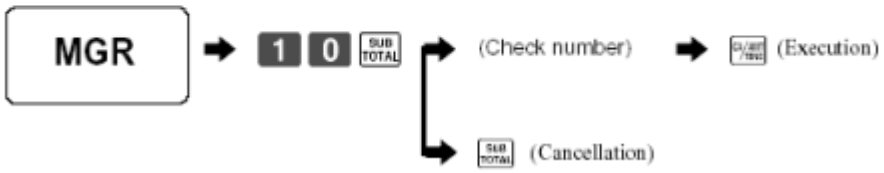


Busy check reset procedure

Resetting the busy flag of the check

This operation is used for resetting the busy flag of the check in check tracking or clerk interrupt.

Procedure



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If you are using clerk interrupt and check tracking

If you are using clerk interrupt and check tracking together

For example

You sign on a clerk interrupt clerk and transfer a round of drinks to a table or check

The Table/Check can then be recalled by a Table Clerk
(A clerk with no interrupt buffer)

In order to do this operation you have to make sure that the table clerk has the presetting that he/she can open checks that belong to or have been opened by other clerks.

Please follow the procedure below in order to program the table clerks to pick up tables/checks

Address code 67 (Clerk control)

Description		Choice	Program code
Check number compulsory		No = 0 Yes = 4	D_{10}
Table number compulsory	a	No = 0 Yes = 1	(a+b+c) D_9
Number of customer compulsory	b	No = 0 Yes = 2	
Guest receipt compulsory (at finalization)	c	No = 0 Yes = 4	
Guest receipt compulsory (at new balance)	a	No = 0 Yes = 1	(a+b+c) D_8
Slip auto-batch print compulsory (at finalization)	b	No = 0 Yes = 2	
Slip auto-batch print compulsory (at new balance)	c	No = 0 Yes = 4	
Clerk attribution: Cashier = 0, Clerk = 1, Manager = 2		Significant number	D_7
Training clerk	a	No = 0 Yes = 1	(a+b) D_6
Affect stock quantity even if assigning a training clerk	b	No = 0 Yes = 4	
Enable to open clerk created by other clerk	a	No = 0 Yes = 1	(a+b+c) D_5
Disable to sign on	b	No = 0 Yes = 2	
Sign off at finalization (secret number only)	c	No = 0 Yes = 4	
Always "0"			0 D_4
Compulsory Eat-in/Takeout operation		No = 0 Yes = 2	D_3
Always "00"			0 0 D_2 D_1

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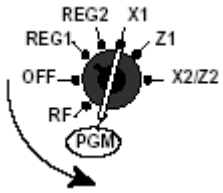
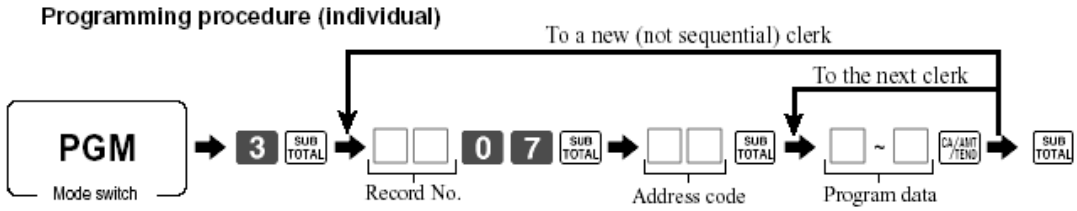
Use the procedure below to program the Table Clerk

Turn the key to program





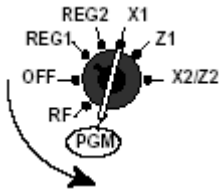
Enter Clerk Number (Record Number) followed by 07 then enter 67 Sub-total for the address code

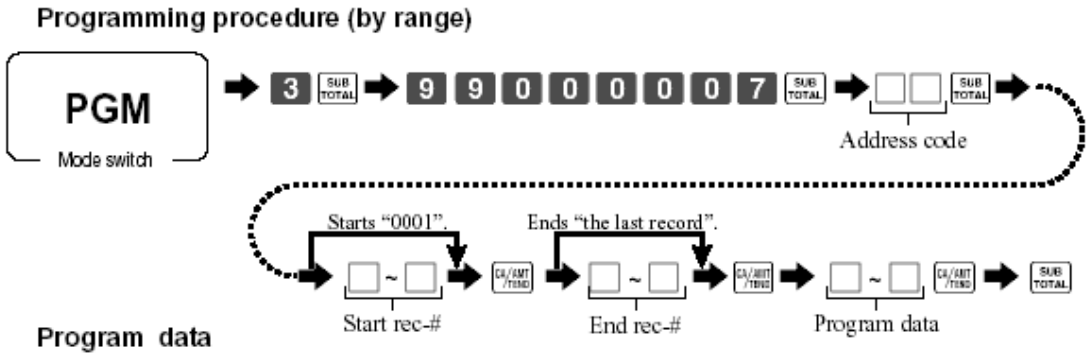
Make sure digit 5 = 1 (Allow clerks to open other peoples checks)

Press the cash key to finish the procedure

To Program to a range of clerks

Turn the key to program





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To add to a check/table more than once

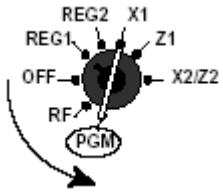
To be able to add to an occupied or used check you must set the Table Transfer key status digit 7 = 1

<TABLE TRANSFER>

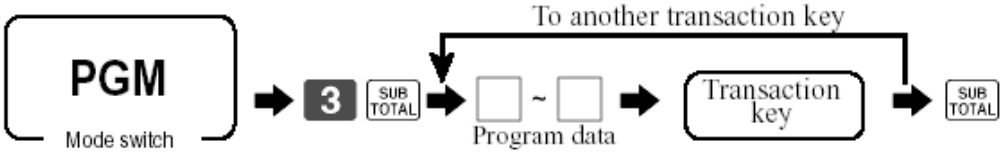
Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	(a+b+c) D_3
Disable operation in REG2 mode.	b	No = 0 Yes = 2	
Disable operation in REG1 mode.	c	No = 0 Yes = 4	
Always "0"			0 D_4
Allow to add checks while table transferring.		No = 0 Yes = 1	 D_2
Always "000000"			0 0 0 0 0 0 D_6 D_5 D_4 D_3 D_2 D_1

Use the procedure below to program the table transfer key

Turn the key to program



Programming procedure



Enter 1000000 and hit the Table Transfer key

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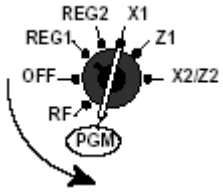
CHAPTER 8
SETTING UP FLOATING CLERK INTERRUPT

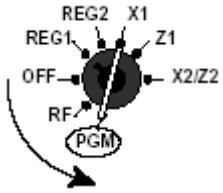
QUICK SET UP 7

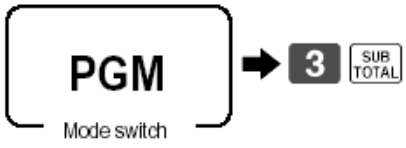
Setting up the 2722 code to allow clerk interrupt

Switch the terminal to the program position



2722 SUB TOTAL 1000000000 CA/AMT /TEND





2622 SUB TOTAL 100000 CA/AMT /TEND

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How to set up floating clerk Interrupt in detail

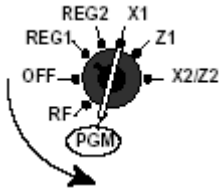
Make sure you have set up the In-line network from the above notes, Also please make sure that you have not removed the clerk interrupt buffers

Enable Clerk Interrupt in the 2722 code

Address code 27 (clerk control)

Description		Choice	Program code	Initial value
Enable clerk/cashier interrupt.	a	No – 0 Yes – 1	□ (a+b) D_{10}	0 (a+b) D_{10}
Print of clerk/cashier's name on receipt following sign back on at D_{10} – 1. (enable clerk/cashier interrupt)	b	No – 0 Yes – 4		
Use ① Dallas key, ② Magnet Dallas key		① – 0 ② – 1	□ D_9	0 D_9
Always "000000"			0 ~ 0 D_8 ~ D_3	0 ~ 0 D_8 ~ D_3
Auto sign-off timer. (in second) ("00" means no auto sign-off.)		Significant numbers	□ □ D_2 D_1	0 0 D_2 D_1

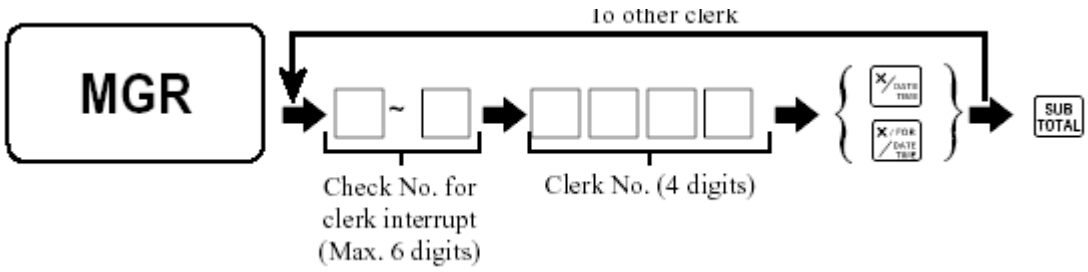
Switch to the program position



2722 SUB TOTAL 1000000000 CA/AMT /TEND

If you need to assign the Clerk Interrupt buffers use the worksheet below

Note: MGR Mode is X position



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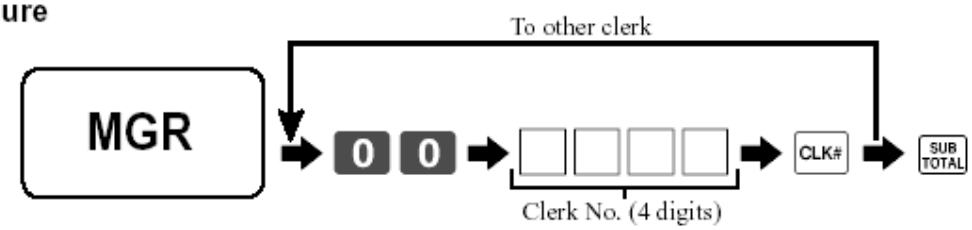
Note: The clerk interrupt buffers are set for the first 15 clerks when you initialise the cash register terminal with 10820/10830

How to assign a clerk number to a clerk key

Procedure



This setting is very Important when using floating clerk interrupt

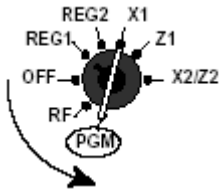
When using clerk interrupt you must change to the table method of Check tracking

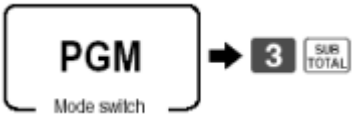
Changing the 2622 code digit 6 to table tracking method

Address code 26 (check tracking)

Description		Choice	Program code	Initial value
Check tracking method: ① Check No., ② Table No.	a	① – 0 ② – 1	□ (a+b+c) D_6	0 (a+b+c) D_6
Enable to use auto new balance. (only effective for magnetic Dallas key)	b	No – 0 Yes – 2		
Maximum digit of check number: ① 6-digit, ② 12-digit (If you use "table analysis" or "table range", select ①.)	c	① – 0 ② – 4		
Tax calculation by new balance (Calculation result is not saved into totalizer.)		No – 0 Yes – 1	□ D_5	0 D_5
Enable to perform <NEW/OLD> during check tracking/clerk interrupt.	a	No – 0 Yes – 1	□ (a+b) D_4	0 (a+b) D_4
Print previous balance amount, when registration begins 0 with old check.	b	Yes – 0 No – 2		
Always "000"			0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

Switch to the program position





2622 SUB TOTAL 100000 CA/AMT /TEND

If you are using clerk interrupt and check tracking together please read pages 32, 33 and 34

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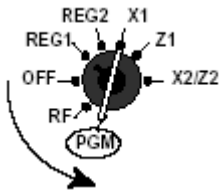
CHAPTER 9
SETTING UP SHARED PRINTING

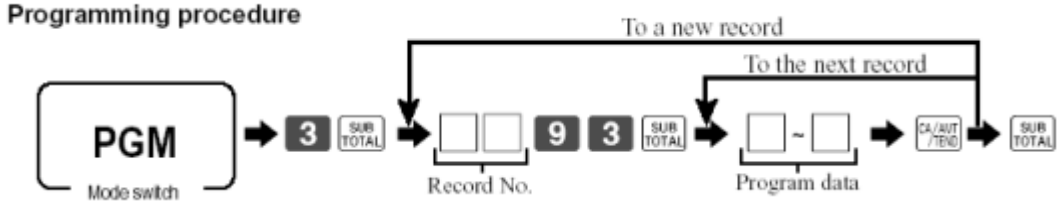
Quick set up 8

Make sure files 35, 49, 93 are allocated

35 (remote printer buffer) (800 records)
49 (Local printer buffer) (800 records)
93 (Printer connection table) (7 records)

Programming of the printer connection table





Record number for setting up Order/Kitchen Printer = 4

Enter 0493 SUB TOTAL 2001010100 CA/AMT/TEND

Flag Mac the terminal

The next pages will show in detail how to set up the shared printing options and back up's

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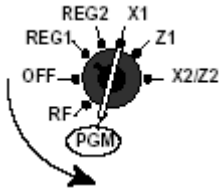
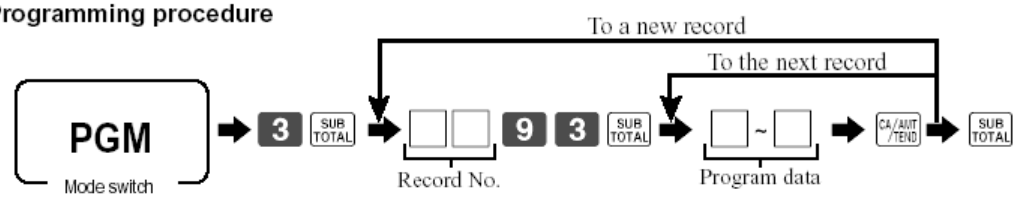
How to set up shared printing in detail

Turn the key to program



Printer connection table programming

Programming procedure



Program data

Description	Choice	Program code
Printout type: Receipt (1) = 00, Receipt (2) = 01, Receipt (3) = 02, Report* = 10, Order (1) = 20, Order (2) = 21, Order (3) = 22	Significant numbers	D_{10} D_9
Inline ID of main printout destination: (01 ~ 32) ("00" means R/J printer.)	Significant numbers	D_8 D_7
Printout destination (Main): R/J printer – 00, External printer 1 – 01, External printer 2 – 02	Significant numbers	D_6 D_5
Inline ID of backup printout destination: (01 ~ 32) ("00" means R/J printer.)	Significant numbers	D_4 D_3
Printout destination (Backup): R/J printer – 00, External printer 1 – 01, External printer 2 – 02	Significant numbers	D_2 D_1

* Reports can be issued only by its own R/J printer or by the external printer connected to the activated terminal (local printer).

Note the first three records of file 93 should not be changed unless you are connecting a remote receipt printer.

If you are adding a kitchen / Order printer please use record number 4-93

Example to set up a Kitchen / Order printer on terminal number 1 And you are using External printer number 1 and the back up printer is terminal number 1's internal receipt printer

You would program this

Program 3 4-93 SUB TOTAL 2001010100 CA/AMT /TEND

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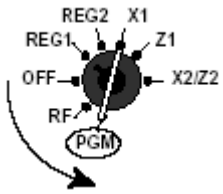
Setting up Com port 2/3 for External printing

Program data (Address 03: for COM 3 port)

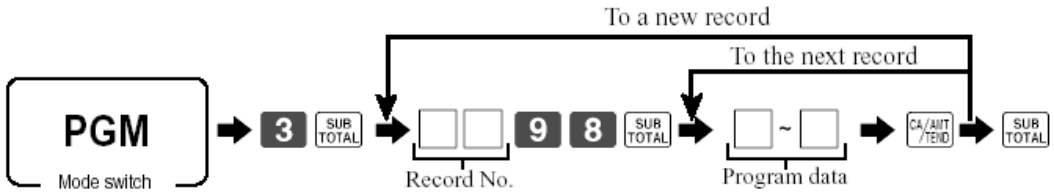
Description	Choice	Program code
External printer/slip printer/scale: • External printer (D_4D_3 = 80, 81): UP-350 = 00, UP-250 = 01 • Slip printer (D_4D_3 = 70): SP-1300 = 00	Significant numbers	D_6 D_5
Connected device: Scale = 10, Slip printer = 70, External printer (as external printer 1 in printer connection table) = 80, External printer (as external printer 2 in printer connection table) = 81	Significant numbers	D_4 D_3
Baud rate: Refer to the baud rate/device table.	Significant number	D_2
Always"0"		0 D_1

D_{16} ~ D_7: refer to the worksheet of the address 01.

Turn the key to program



Programming procedure



Note: Please perform the following procedure after this program.

1. Power off the register, and connect all peripheral devices to COM ports.
2. Power on all peripheral devices.
3. Flag clear the register.

Program 0198 for Com 1
Program 0298 for Com 2
Program 0398 for Com 3

External printer 1

To set up an Epsom TM-T88 you need to enter 008010
To set up an Epsom TM-U210 you need to enter 018020

External printer 2

To set up an Epsom TM-T88 you need to enter 008110
To set up an Epsom TM-U210 you need to enter 018120

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CHAPTER 10
SETTING UP TIME & ATTENDENCE

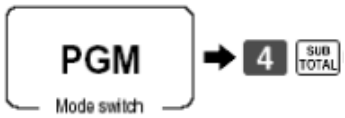
Quick set up 8

Make sure you have allocated files 19 and file 61

File 19 is the time and attendance file
File 61 is the employee file

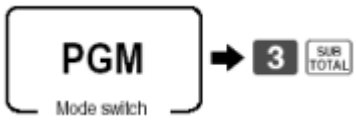
Maximum number of records is 99 for both files

Assign a clock In/Out key to the keyboard



108 (clock in/out) press the function key

Assigning employee numbers



0161 SUB TOTAL Employee Number CA/AMT/TEND

Operation

Press clock IN/OUT key
Enter employee number and press the clock IN/OUT key
Press the cash key

The next few pages will show you how to set up time and attendance in detail

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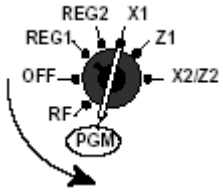
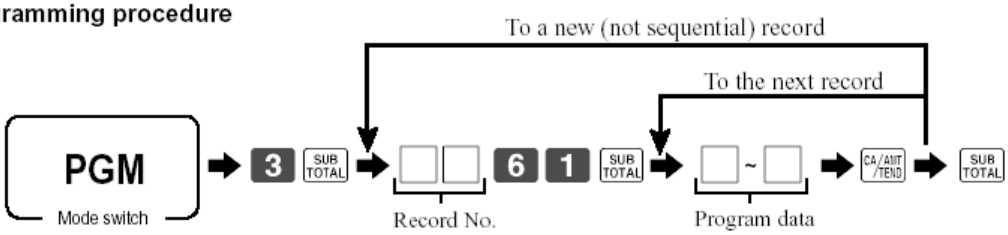
Time and attendance in detail

First program the employee file from the worksheet below

Turn the key to program



Programming procedure



Program data

Description	Choice	Program code
Employee number (0000000001 ~ 9999999999)	Significant numbers	D_{10} D_9 ~ D_2 D_1

Operation of time and attendance

Time and attendance

You can control your employees' working time.
For this function, the employee file (file 061), the time and attendance file (file 019) and the <CLOCK-IN/OUT> key is necessary.

Note: Use this function by one fixed terminal, even if the system has other terminals. Since the employee file and time & attendance file cannot be collected or consolidated.

Clock-in operation

1. Press the <CLOCK-IN/OUT> key, enter employee number and press the <CLOCK-IN/OUT> key. And then press the <CASH> key.
   If you enter the employee number who has clocked in already, this operation is treated as clocked-out.

Clock-out operation

1. Press the <CLOCK-IN/OUT> key, enter employee number and press the <CLOCK-IN/OUT> key. And then press the <CASH> key.
   If you enter the employee number who does not have clocked in yet, this operation is treated as clocked-in.

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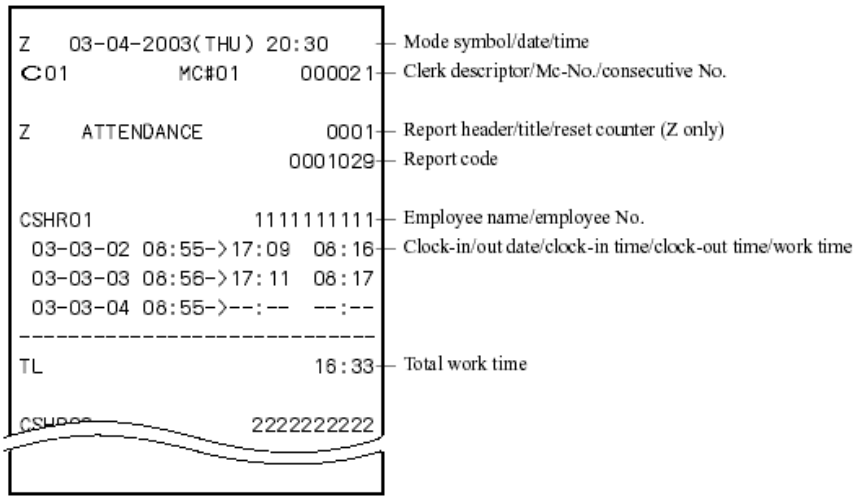
Clock In/Out function worksheet

<CLOCK-IN/OUT>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No – 0 Yes – 1	(a+b+c) D_9
Disable operation in REG2 mode.	b	No – 0 Yes – 2	
Disable operation in REG1 mode.	c	No – 0 Yes – 4	
Always "00"			0 0 D_8 D_7
High digit limitation (00 ~ 10), "00" means no limitation.		Significant numbers	D_6 D_5
Always "00"			0 0 D_4 D_3
Usage: Both CLOCK-IN and CLOCK-OUT – 0, CLOCK-IN only – 1, CLOCK-OUT only – 2		Significant number	D_2
Issue receipt during CLOCK-IN/OUT.		Yes – 0 No – 1	D_1

To take the time and attendance report

Time & attendance report



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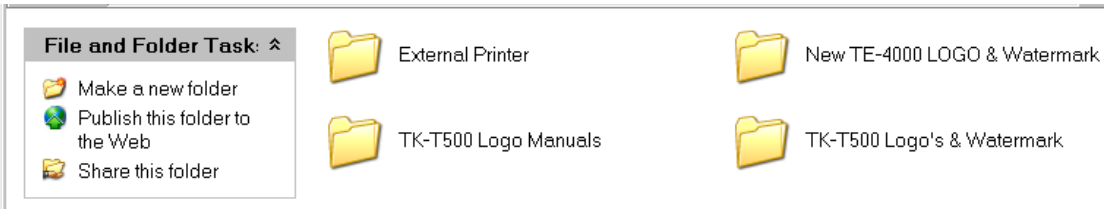
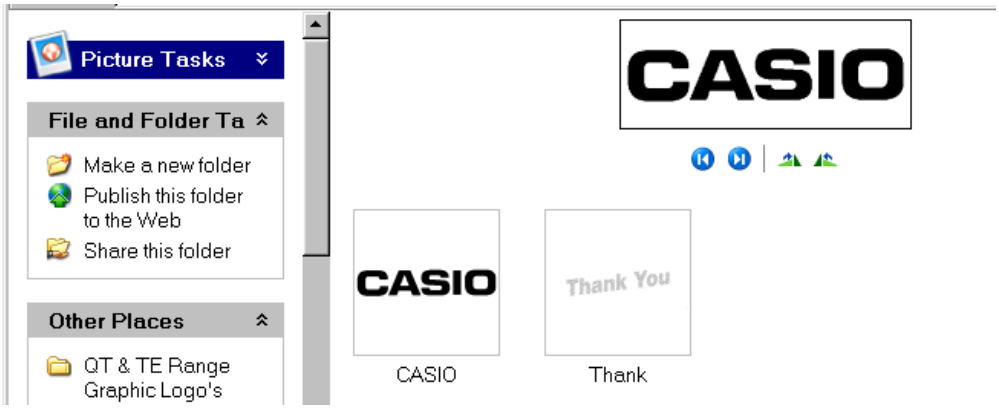
CHAPTER 11
SETTING UP GRAPHIC LOGO'S

Go to the dealer companion CD

Double click on the QT & TE Range Graphic Logo's folder



Double click the new TE-4000 Logo & Watermark folder



Copy the Casio and Thank logo's to the logo folder of the store you have created for your customer in CV-10

Double click the store you have just created

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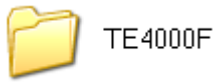
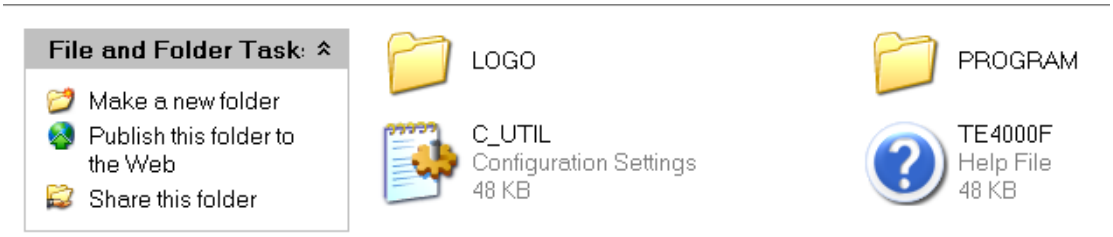
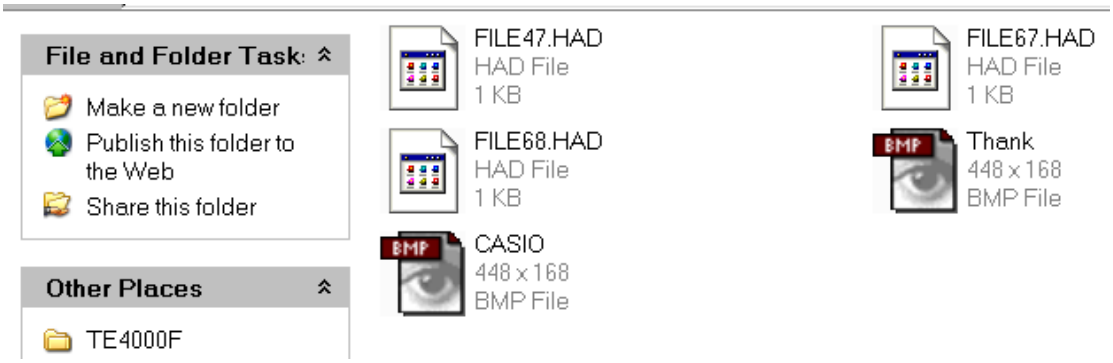
Double click the TE4000F or TE-4500 folder



Inside this folder you will see the following files
Double click the logo folder



Paste the Casio graphic logo and the Thank watermark files to the logo folder



Go back to your CV-10 folder and double click on the icon below

The CV-10 program will now be loaded and you should see the following screen

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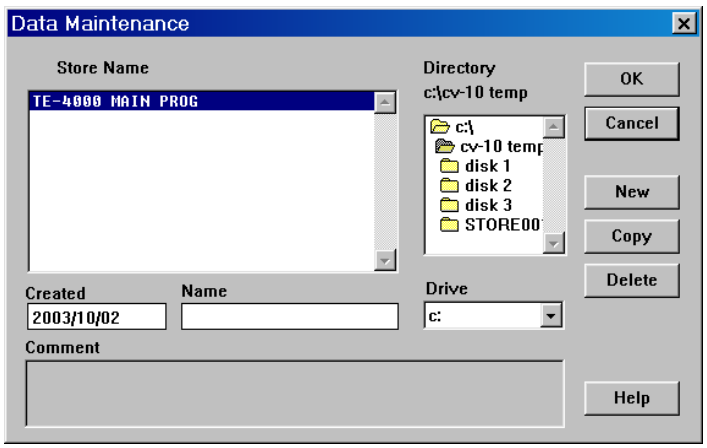
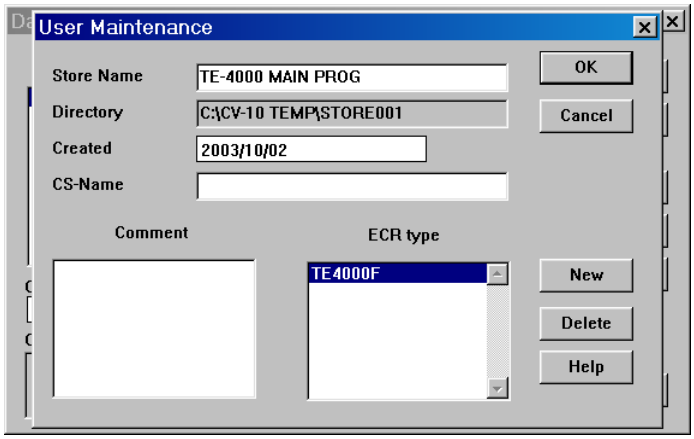
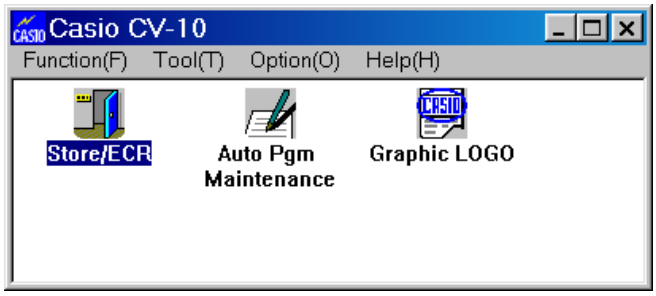
Click on the OK button on the data maintenance screen



Click on the OK button on the user maintenance screen



You should now see this screen



Double click on the Graphic Logo Icon
And proceed to the next page

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You should now see the two logo's that you pasted to the logo folder

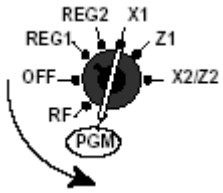
Set the file number on the software you wish to send down to the cash register

File 47 External printer logo
File 67 Internal printer graphic logo
File 68 Watermark logo

Double click the logo you wish to send.
This logo will then be sent to the cash register terminal.

To download the logo from the Cash Register to an External printer follow procedure below

Turn the key to program



Set the graphic logo to the external printer

Before executing this command, you should connect UP-350.

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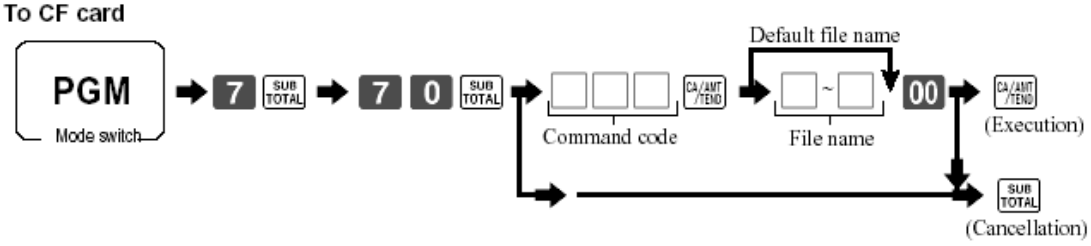
CHAPTER 12

CF CARD OPTIONS

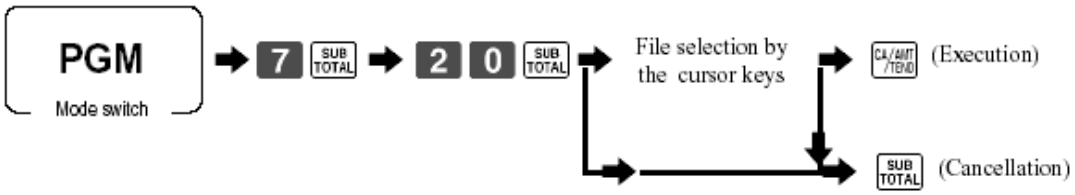
Formatting of CF card

To CF card

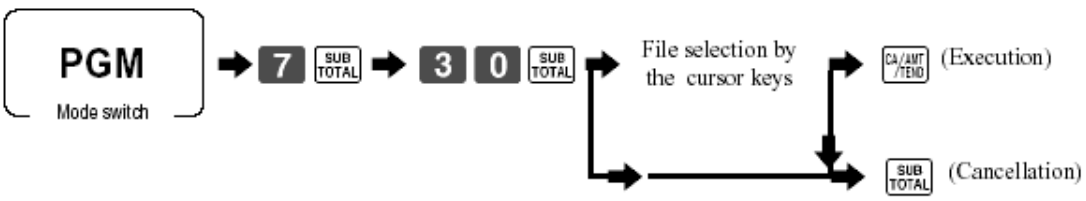


Note: You cannot overwrite the same file name.
If there is no enough room for auto-program delete other files in the CF card or format it.
If you use the CF card for the first time, format it.

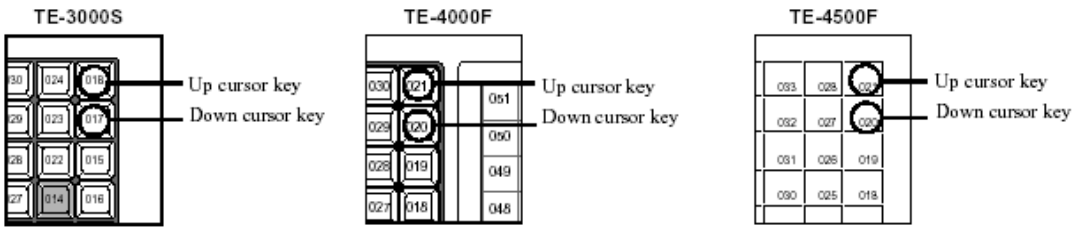
From CF card



Deleting a file from CF card



Cursor keys



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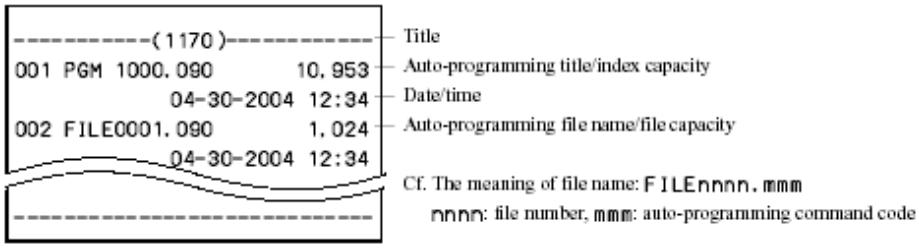
Issuing CF card directory report

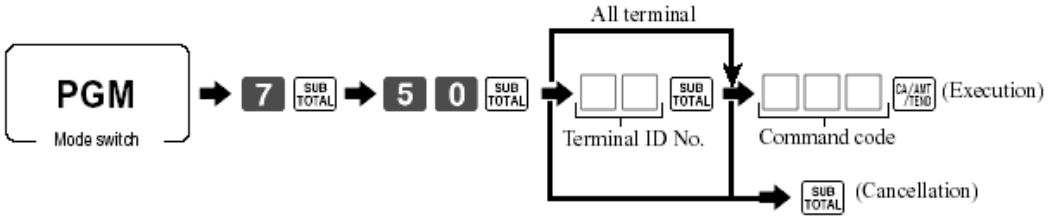
Report sample



In-Line send and receive

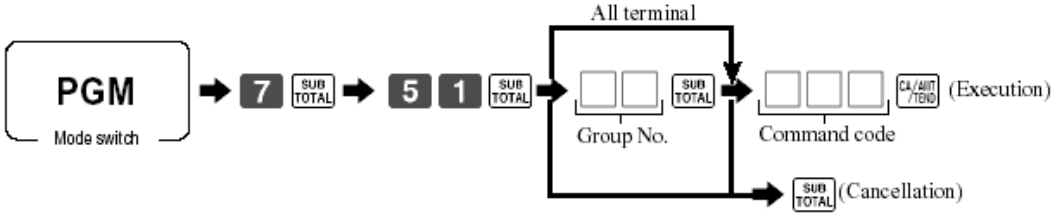
Auto-programming operation

To other terminal(s) through inline (Individual or all terminals)



Note: Before executing this command, terminal connection table program is necessary.

To other terminal(s) through inline (group terminals)



Note: Before executing this command, terminal connection table program is necessary.

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CHAPTER 13

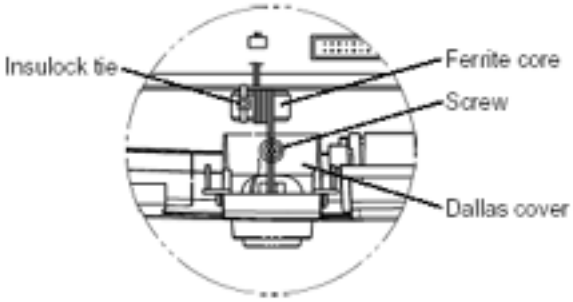
DALLAS KEYS

Dallas key Installation

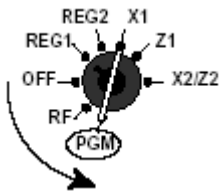
6. OPTION INSTALLATION

6-1. Dallas Key (Clerk key kit CLK-K22)

1. Remove the upper cover as shown in steps 1 to 3 of page 8.
2. Fix the Dallas Cable Assy to the Dallas cover.
3. Fix the Dallas cover to the lower case by screw.
4. Let the Dallas cable through the unit and connect it to the MAIN PCB (CN17).
   Note : Wind the cable through the Ferrite core two and a half times.
5. Fix the Ferrite core to the chassis by insulock tie.
6. Fix the UPPER COVER.

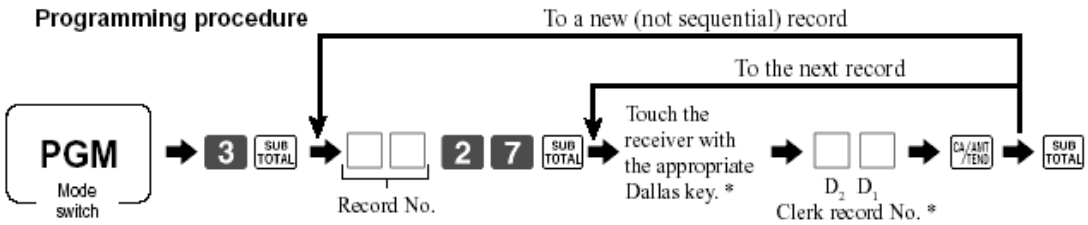


Dallas key programming



Dallas key ID programming

Programming procedure



* Enter "0" without touching with a Dallas key clears the programming.

For Non-magnetic Dallas keys you don't need to do any more programming

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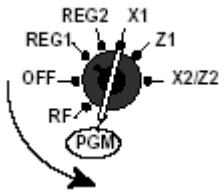
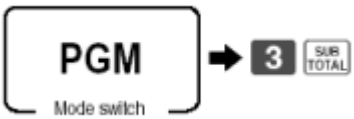
For magnetic Dallas keys you need to program two more options

Follow the two procedures below

To enable auto new balance for magnetic Dallas keys

Turn to program mode





2622 SUB TOTAL 300000 CA/AMT/TEND

Address code 26 (check tracking)

Description		Choice	Program code	Initial value
Check tracking method: ① Check No., ② Table No.	a	① – 0 ② – 1	□ (a+b+c) D_6	0 (a+b+c) D_6
Enable to use auto new balance. (only effective for magnetic Dallas key)	b	No – 0 Yes – 2		
Maximum digit of check number: ① 6-digit, ② 12-digit (If you use "table analysis" or "table range", select ①.)	c	① – 0 ② – 4		
Tax calculation by new balance (Calculation result is not saved into totalizer.)		No – 0 Yes – 1	□ D_5	0 D_5
Enable to perform <NEW/OLD> during check tracking/clerk interrupt.	a	No – 0 Yes – 1	□ (a+b) D_4	0 (a+b) D_4
Print previous balance amount, when registration begins 0 with old check.	b	Yes – 0 No – 2		
Always "000"			0 0 0 D_3 D_2 D_1	0 0 0 D_3 D_2 D_1

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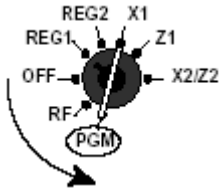
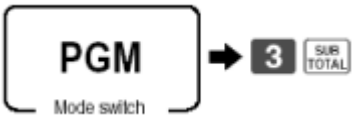
To allow use of magnetic Dallas keys

Turn to program mode





2722 SUB TOTAL 1100000000 CA/AMT/TEND

Address code 27 (clerk control)

Description		Choice	Program code	Initial value
Enable clerk/cashier interrupt.	a	No – 0 Yes – 1	□ (a+b) D_{10}	0 (a+b) D_{10}
Print of clerk/cashier's name on receipt following sign back on at D_{10} – 1. (enable clerk/cashier interrupt)	b	No – 0 Yes – 4		
Use ① Dallas key, ② Magnet Dallas key		① – 0 ② – 1	□ D_9	0 D_9
Always "000000"			0 ~ 0 D_8 ~ D_3	0 ~ 0 D_8 ~ D_3
Auto sign-off timer. (in second) ("00" means no auto sign-off.)		Significant numbers	□ □ D_2 D_1	0 0 D_2 D_1

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CHAPTER 14

ERROR CODES

Appendix: Error code

Error code	Message	Meaning	Action
E001	Wrong mode	Mode switch position changed before finalization.	Return the mode switch to its original setting and finalize the operation.
E003	Wrong operator	Clerk button pressed before finalization of a registration being performed under another clerk button. The signed on clerk differs from the clerk performed the tracking check registration.	Press the original clerk button and finalize the transaction before pressing another clerk button. Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E005	Insufficient memory	Memory allocation exceeds total memory capacity.	Reallocate memory or expand memory (if possible).
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
E009	Enter password	Operation without entering the password.	Enter password.
E010	Close the drawer	The drawer is left open longer than the program time (drawer open alarm).	Close the drawer.
E011	Close the drawer	Attempt to register while the cash drawer is open.	Shut the cash drawer.
E015	Check R/J printer	Printer error	
E016	Change back to REG mode	Two consecutive transactions attempted in the refund mode.	Switch to another mode and then back to the RF mode for the next transaction.
E017	Enter CHK/TBL number	Attempt made to register an item without inputting a check number.	Input a check number.
E018	Enter Table number	Attempt made to register an item without inputting a table number.	Input a table number.
E019	Enter number of customers	Finalize operation attempted without entering the number of customer.	Enter the number of customer.
E021	No Dept Link	No department linked PLU is registered.	Correct the program.
E023	Stock shortage	Actual stock quantity becomes less than the minimum stock quantity.	Perform stock maintenance.
E024	No stock	Actual stock quantity becomes/is negative.	Perform stock maintenance.
E025	Illegal scale read or entry	Scale read error/perform non-scale registration to scalable item.	Retry registration/register to a proper department or PLU.
E026	Enter condiment/ preparation PLU	No condiment/preparation PLU is registered.	Register condiment/preparation PLU.
E029	In the tender operation	Item registration is prohibited, while partial tender.	Finalize the transaction.
E030	Press RATE TAX key	Finalization of a transaction attempted without registering rate-tax.	Register <RATE TAX>.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <SUBTOTAL>.
E032	Press FSST key	Finalization of a transaction attempted without confirming of the food stamp subtotal.	Press <FS/ST>.
E033	Enter tendered amount	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E035	Change amount exceeds limit	Change amount exceeds preset limit.	Input amount tendered again.
E036	Remove money from the drawer	Contents of the drawer exceed programmed limit.	Perform pick up operation.
E037	Digit or amount limitation over	High amount lock out/low digit lock out error	Enter correct amount.
E038	Perform money declaration	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E040	Issue guest receipt	Attempt to register a new transaction without issuing a guest receipt.	Issue a guest receipt.
E041	Print validation	Attempt to register a new transaction without validation.	Perform validation operation.
E042	Insert VLD paper and retry	Validation paper (slip printer) has run out.	Insert new validation paper.
E044	Print cheque	Attempt to register a new transaction without printing check.	Perform check print.
E045	Print Check Endorsement	Attempt to register a new transaction without printing check endorsement.	Perform check endorsement.
E046	REG buffer full	Registration buffer full. Separate check buffer full.	Finalize the transaction. Allocate sufficient separate check buffer.
E047	Print bill	Attempt to register a new transaction without printing slip.	Perform slip printing operation.
E048	Insert slip paper and retry	No paper is inserted or paper is out in the slip printer.	Insert new slip paper.
E049	CHECK memory full	Check tracking index memory full.	Finalize and close the check number currently used.
E050	DETAIL memory full	Check tracking detail memory full.	Finalize and close the check number currently used.

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Error code (...continued)

Error code	Message	Meaning	Action
E051	CHK/TBL No. is occupied	Attempt to made use <NEW CHECK> to open a new check using a number that is already used for an existing check in check tracking memory.	Finalize and close the check that is currently under the number that you want to use or use a different check number.
E053	CHK/TBL No. is not opened	Attempt made to use <OLD CHECK> reopen a new check using a number that is not used for an existing check in check tracking memory.	Use the correct check number (if you want to reopen a check that already exists in check tracking memory) or use <NEW CHECK> to open a new check.
E054	Out of CHK/TBL No. range	Check number range over.	Enter correct number.
E055	In the SEP CHK operation	Normal registration is prohibited during separate check operation.	Terminate separate check operation.
E059	Press EAT-IN or TAKE-OUT key	Attempt to finalize a transaction without specifying <EAT-IN> or <TAKEOUT>.	Press <EAT-IN> or <TAKEOUT>.
E060	Printer offline	External (local) printer offline	
E061	Printer error	External (local) printer went down.	
E062	Printer paper end	External (local) printer paper end	Replace new paper.
E064	Print buffer full	External (local) printing buffer full	
E066	Print from the beginning of the transaction	Attempt to print the last separated transaction on slip.	Print from the beginning of the transaction
E070	Target print terminal busy/down	The terminal connected with the external (remote) printer is busy or goes down.	
E071	Target terminal print BF full	The print buffer of the terminal connected with the external (remote) printer becomes full.	
E073	Your receipt/order may not be issued	The terminal connected with the external (remote) printer goes down,	
E075	Negative balance cannot be finalized	Attempt to finalize a transaction when balance is less than or equal to zero.	Register item(s) until the balance becomes positive amount.
E085	Data exist in consolidation file	Data exists in the consolidation file.	Clear the data.
E099	Check NFP items	Disable to read/reset or consolidate the not found PLU item.	
E100	Operate at the master terminal	Prohibit master operation.	Perform it at master terminal.
E101	PLU maintenance file full. Press <#2> to exit	Scanning PLU direct maintenance/batch maintenance file becomes full.	Terminate the maintenance.
E103	PLU Code is not exist. Input PLU Code	The PLU code you input is not existed in the PLU file.	Input the correct PLU code again.
E105	PLU file full	Scanning PLU/not found PLU file full	
E106	Item exists in the PLU FILE	The designated item has already existed in the scanning PLU file.	Modify the designated item.
E110	Master is busy/down. Retry:<CA> Remove:<ST>	The check tracking master terminal is busy or goes down.	Follow the prompt message.
E121	Inline startup error	Network startup error.	
E139	Negative balance is not allowed	Attempt to register <–> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E140	Wrong menu	This sheet holder is prohibited by PGM.	Set correct sheet holder.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E164	Employee No. is not Found in the Employee File	The employee number does not exist in the employee file.	Enter the correct employee number.
E165	Employee No. is not Clocking-in	The employee number has not been clocked-in yet.	Enter the correct employee number.
E166	Employee No. is Occupied	The employee number has already been clocked-in.	Enter the correct employee number,
E176	Time&Attendance file full	Time and attendance file becomes full.	Issue the time and attendance reset report.
E200	Insert CF card	No CF card is set.	Set CF card.
E203	Insufficient memory	Insufficient memory in the CF card.	Use a vacant (formatted) CF card.
E205	File already exist.	Can not write, because designated file has already been in the CF card.	Check the operation and retry.

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