

MINI POS DTK 53

DESK TERMINAL KEYBOARD



USER'S MANUAL

Thank you for having chosen this Custom Engineering product. We guarantee that it has been manufactured according to the most recent EC regulations and conforms to all safety and emission standards.

Please check that the shipment you received contains all the following materials:

- Printer**
- Instruction Manual (this one)**
- Label cards for keyboard**
- Receipt holder metal pin**
- Electrical cable**
- Cable to connect keyboard and printer**
- Receipt/invoice form or roll**
- Plain paper service roll**

TABLE OF CONTENTS

1. INTRODUCTION.....	6
2. COMMANDS AND INSTRUCTIONS	7
2.1 KEYBOARD	7
2.2 TECHNICAL CHARACTERISTICS	8
2.2.1 Safety Standards.....	8
2.2.2 Keyboard.....	9
2.2.3 Display.....	10
2.2.4 Printer.....	10
3. TERMINAL FUNCTION.....	12
3.1 MAIN FUNCTION	12
3.1.1 Department or PLU sales.....	12
3.1.2 Voids and Corrections.....	12
3.1.3 Discounts and surcharges	13
3.1.4 Closing the transaction	13
3.1.5 Payment method.....	13
3.1.6 Corporate or meal voucher.....	14
3.1.7 Voucher's payment.....	14
3.1.8 Indirect receipts.....	14
3.1.9 Direct payments.....	14
3.1.10 Customization.....	15
3.1.11 Reports (printouts).....	15
3.1.12 Special Function.....	15
3.1.13 Main features	16
4. USING THE TERMINAL.....	18
4.1 PREPARING THE TERMINAL	18
4.1.1 Inserting a plain paper roll (w/o alignment mark).....	18
4.1.2 Inserting the receipt roll (with alignment mark).....	19
4.2 FUNCTIONS MENU.....	20
4.2.1 How to print out a fiscal receipt or invoice.....	20
4.3 SALES BY DEPARTMENT OR PLU	21
4.3.1 Department sales with different description and price.....	21
4.3.2 Inserting a client fiscal code	22
4.3.3 Free message insertion.....	22
4.3.4 Sample Transaction.....	22
4.3.5 Single entry.....	24
4.3.6 Automatic transaction opening	24
4.3.7 Corrections.....	25
4.3.8 Voiding a transaction.....	25
4.4 DISCOUNTS AND SURCHARGES.....	25
4.4.1 PERCENT DISCOUNTS.....	26
4.4.2 Percent surcharge	27
5. PAYMENT	28
5.1.1 CASH.....	28
5.1.2 Checks	29
5.1.3 Credit Card	29
5.1.4 Credit.....	30
5.1.5 Corporate rates/Voucher.....	32
5.1.6 Client deferred invoicing.....	33
5.1.7 Meal voucher deferred invoicing	34
6. ADDITIONAL FUNCTIONS	35
6.1.1 SUBTOTAL DISPLAY OR PRINT-OUT	35
6.1.2 User identification.....	35
6.1.3 PLU price confirmation	36
6.1.4 Automatic printout of client fiscal data.....	36

6.1.5	Manual insertion of code + message insertion	36
6.1.6	Automatic insertion of code.....	36
6.1.7	Duplicate receipts	37
6.1.8	Credit recovery.....	37
6.1.9	Pre-receipt printout (option with Slip Printer connected)	38
6.1.10	Printing of the articles included before closing (option with Slip Printer connected).....	38
6.1.11	Receipt recall (option with Slip Printer connected).....	38
	Write-off of a receipt erroneously debted to a client.....	39
7.	REPORTS.....	40
7.1	CHANGING PAPER	40
7.2	SYSTEM CHECKS	40
7.3	ZERO RESET	40
7.3.1	Report's List.....	41
7.3.2	Daily statement.....	42
7.3.3	Departments	43
7.3.4	PLU	44
7.3.5	Selective PLU.....	45
7.3.6	Users	46
7.3.7	Corporate rate statement.....	47
7.3.8	Client printout.....	48
7.3.9	Program printout	48
	List of the companies.....	51
8.	CUSTOMIZATION.....	52
8.1	ARCHIVE PROGRAMMING	52
8.1.1	Access sequence	53
8.1.2	Department archive.....	53
8.1.3	Changing department prices	54
8.1.4	PLU Archive.....	54
8.1.5	Changing PLU prices.....	55
8.1.6	Client Archive.....	55
8.1.7	User Archive.....	56
8.1.8	Corporate rate/voucher archive.....	56
8.1.9	Modifier factor archive	56
8.1.10	VAT rate archive	57
8.1.11	Date change	57
8.1.12	Time change	57
8.1.13	Changin password.....	58
	Programming of the voucher's companies	58
8.1.15	Options archive	59
8.1.16	EURO Archive.....	60
9.	ERROR LIST	62
10.	CONNECTIONS	63
10.1	TILL CONNECTION.....	63
10.2	KEYBOARD CONNECTION	63
10.3	CONNECTING THE DTK53 KEYBOARD / EPSON TM-U295 SLIP-PRINTER	63
10.4	CONNECTING PASS TROU CUSTOMER DISPLAY SLIP PRINTER	63
10.5	CONNECTING PASS TROU CUSTOMER DISPLAY DPT 282RF	63
10.6	CONNECTING THE DTK53 KEYBOARD / CUSTOM DPT282RF RECEIPT-INVOICE PRINTER	63
11.	USING THE DTK53 WITH REMOTE PRINTERS	64
11.1	TMP-U295 SLIP PRINTER.....	64
11.2	SLIP USE.....	64
11.3	DEPARTMENTS	64
11.4	RECEIPT OR INVOICE BEFORE CLOSING THE TRANSACTION	64
11.5	CUSTOM DPT282RF PRINTER	65
11.6	RECEIPT OR INVOICE BY RECALLING A PRE-RECEIPT	65
12.	APPENDIX A	66
12.1	CONNECTION CABLE DTK53 →TMP 295 EPSON OR CUSTOMER DISPLAY	66

12.2	CONNECTION DTK53 KEYBOARD → CUSTOM DPT282RF RECEIPT / INVOICES PRINTER	66
12.3	CONNECTION PASS-TROU CUSTOMER DISPLAY CD5220 SLIP PRINTER	66
12.4	CONNECTION PASS-TROU CUSTOMER DISPLAY DPT 282RF.....	67
13.	USE DTK53 TICKETS EMITTER VERSION (STUB).....	68
14.	APPENDIX B 64-KEY SUPPLEMENTARY KEYBOARD AND OTHER SUPPLEMENTARY KEYBOARD LAYOUTS	69
15.	APPENDIX C TROUBLE-SHOOTING	70
15.1	TROUBLE-SHOOTING <i>PERIPHERAL DEVICES</i>	70
15.1.1	<i>Custom display connected, but not functioning</i>	70
15.1.2	<i>Slip Printer connected, but not functioning</i>	70
15.1.3	<i>When a plain paper roll is inserted, at transaction close it feeds a very long blank strip before printing both the first and second copies</i>	70
15.1.4	<i>The client summary invoice will not print out</i>	70
15.1.5	<i>Does not recall the pre-receipt (applicable only with slip printer connected)</i>	70
15.1.6	<i>I programmed the 10-line heading, but it doesn't print</i>	70
15.1.7	<i>I pressed the client code key by mistake and now I can't cancel it on the display</i>	70
15.1.8	<i>I activated the Euro as a currency, but when I return to lire, I still get decimal points</i>	70

1. INTRODUCTION

The DTK53 Desk Terminal Keyboard for receipted fiscal receipts/invoices is fast and easy to operate and offers high-performance, multi-function solutions for all your business applications.

The terminal is equipped with a liquid crystal screen that can display up to two lines of 16 characters each. The messages on the display are extremely legible and readily understandable.

The keyboard has been designed to meet the wide-ranging requirements of the sector for which this machine has been developed, and the section pertaining to the departments allows the appropriate description of each department to be written on the labels above the corresponding key.

This terminal also incorporates a high-speed, advanced thermal printer whose print quality is always perfect and which can reproduce graphic images (for example your company logo). The ribbons utilized by traditional printers have been eliminated, making their annoying, time-consuming replacement a thing of the past while reducing operating costs.

As stated above, the terminal provides a complete range of functions to meet your business requirements, including the printing of pre-receipts and fiscal receipts and invoices (while storing in its memory the number of each as it is issued), management of up to 300 PLUs (pre-stored prices), storage of fidelity account and credit information for up to 100 clients (accessed automatically through a simple code), management of meal vouchers according to 30 different "cut" of ticket shared out 10 Company with deferred invoice and the ability to monitor the activity of up to 15 selected users.

2. COMMANDS AND INSTRUCTIONS

This terminal is completely autonomous; it has its own 53-key keyboard and a screen which displays in a clear, legible manner all commands and functions programmed into the machine.

2.1 Keyboard

	Functions	Client Code Esc	READY 24-04-98 15:30				
	User Code ^	Corp. Rate Code v					
DEPT.1 Aa	DEPT.2 Bb	DEPT.3 Cc	DEPT.4 Dd	DEPT.5 Ee	DEPT.6 Ff	DEPT.7 Gg	DEPT.8 Hh
DEPT.9 Ii	DEPT.10 Jj	DEPT.11 Kk	DEPT.12 Ll	DEPT.13 Mm	DEPT.14 Nn	DEPT.15 Oo	DEPT.16 Pp
7 7!	8 8#	9 9\$	X Qq	DEPT.17 Rr	DEPT.18 Ss	DEPT.19 Tt	DEPT.20 Uu
4 4/	5 5?	6 6^	Void Trans. Vv	Price Ww	PLU Xx	Credit Recover y Yy	Credit Zz
1 1(2 2)	3 3,	Correct. D.L.	Discount &"	Other Payments - +	Sub Total Select	
C	0 0 =	000 000 :	.	%- Space	%+ %'	CASH Enter	

Fig.1 - 1 Keyboard Layout

2.2 Technical Characteristics

- ▶ Voltage 100 – 240 Vac
- ▶ Operating temperature 0C° - 40C°
- ▶ Environmental conditions:
 - Operating temperature 0 °C – 45 °C
 - Storage temperature -20 60 °C
 - humidity 10%-90% no condensing
 - Relative humidity 35%-85% no condensing
- ▶ Relative humidity 80% without condensation
- ▶ Receipt/invoice form 60 mm wide
- ▶ Service roll Rotolo 60 mm x 55 Ø roll
- ▶ Printer dimensions 170 mm (depth) 120 mm (width)
90 mm (height)
- ▶ Keyboard dimensions 210 mm (depth) 175 mm (width)
40 mm (height)
- ▶ OPTIONS :
 - Cutter**
 - Client Display**
 - Read/Write chip card**
 - 64-key supplementary keyboard**
 - Slip Printer TMP-U295S**
 - Thermal printer DPT-282 (for Receipts/ Invoices)**
 - Thermal printer DPT-282/485 (for Kitchen print)**
 - Metal till**

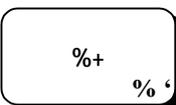
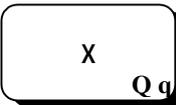
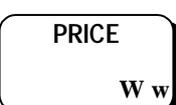
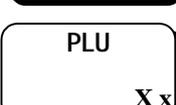
2.2.1 Safety Standards

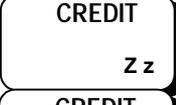
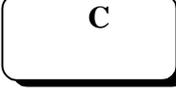
- Use the type of electrical voltage indicated on the printer label.
- Check that the electrical connection that supplies the printer is equipped with a ground and is protected by a differential switch.
- If the printer is fed using an extension cord, make sure that the overall power requirements of the connected devices do not exceed the maximum current allowed for the type of extension cord in use, and, in any case, do not exceed 15 amperes.
- Make sure the printer is always placed on a solid surface. If not, it could fall and be seriously damaged.
- Do not block the air vents.
- Do not place the printer on cushioned surfaces or in insufficiently-ventilated environments.
- Position the printer so that its electrical cables are not stepped on.

2.2.2 Keyboard

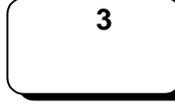
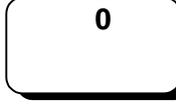
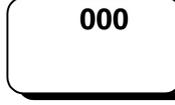
Figure 1-1 illustrates the basic version of the terminal keyboard.

The function of each key is described below:

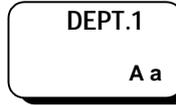
	Preceded by a number, it allows those functions for which there is no assigned key to be performed
	Used to enter the User code
	Used to access double functions on the keyboard
	Cancels previous entries (in programming mode used to access double characters)
	Voids the current transaction
	Percent discount, whether preset or not, on an individual transaction or subtotal
	Percent surcharge, whether preset or not, on an individual transaction or subtotal
	Used to enter a fixed-sum discount
	Multiplier function for quantities other than 1
	Key used for enterable prices for a PLU code
	Price recall (for set prices)
	Key to access client codes for credit or fidelity card payments
	Corporate rate account recall key

	Transaction close for different types of payment
	Displays current transaction subtotal If pressed during the Ready phase, you get the drawer opening
	Transaction close for cash payments
	Close for credit transactions
	For credit recovery operations
	Entry correction

Numeric keyboard to enter amounts and codes:

Department keys to enter sales :

	≈	
--	---	---

In some cases, in addition to numbers, the keyboard can be used to enter letters and other characters

For example, let's examine the programming for Department 1, "BAR":

	
--	---

DEPARTMENT
programming



DEPT. 1 CODE :
1

The first department is suggested, you can confirm or change that, then press the button :

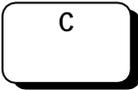


DESCRIPTION 1
dept.

The previously-entered description is displayed and, with the cursor positioned on the first letter, use the lower letters on the keyboard to enter the description (18 characters max.).

DESCRIPTION 1
bar

When a new key is pressed, the entered character is automatically moved to the left so that a new character may be keyed in. If an incorrect character is entered, it can be canceled using the “C” key.



NOTE

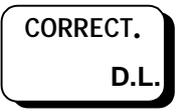
The repeated pressing of this key will progressively cancel, from right to left, all previously-entered characters. This operation can be exited by pressing the “Client Code” (Esc.) key.

SPECIAL KEYS

The keys on the numeric keyboard have special functions when used in alpha mode:
() ‘ \ ? ^ ! £ \$

DOUBLE-WIDTH CHARACTERS

Double-width characters may be entered using the following key :



before each character in the description.

When double-width characters are entered, the display will appear as follows:

description 1:
>B>a>r

i.e., each double-width character in the description will be preceded on the display by an arrow (>).

NOTE

Remember that each character entered in double-width mode will, in fact, occupy twice the space. Therefore, if you wish to use the double-width option for a description that can contain a max. of 18 characters, the total number of double-width characters must be reduced to 9.

2.2.3 Display

The terminal is equipped with a display as shown in Figure 1-2.

It is a back-lit, alphanumeric LCD display with a maximum of 2 lines of 16 characters each that displays totals and messages. On request, a phosphorescent alphanumeric display can be substituted.

2.2.4 Printer

The terminal has a thermal printer to print transaction data, company data (if programmed), corporate logo (if programmed) and any other data that must appear on the receipt. The width of the paper roll is 60 mm.

IMPORTANT

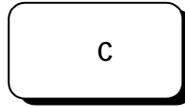
When printing out reports or program information, remember to replace the receipt/invoice roll with the service roll (as prompted by the terminal) to avoid having to void miss-printed receipts.

■ Paper End

The terminal is equipped with a sensor that suspends operation when there is no paper and the following message will appear on the display:

ERROR 11
no paper

Replace the paper as described in chapter 4, (section 4.1.1 LOADING PAPER), and once the new receipt/ invoice has been positioned, press :



3. TERMINAL FUNCTION

3.1 Main Function

3.1.1 Department or PLU sales

Sales are registered according to one of the following categories:

- ◆ **Departments**
- ◆ **PLU** Under a department

When the terminal is installed, the departments may be customized according to the specific needs of each client and according to the parameters given below:

- **Description #1 (18 characters max.)**
- **Description #2 (18 characters max.)**
- **Price #1**
- **Price #2**
- **Maximum amount**
- **VAT rate first price**
- **VAT rate second price**
- **Automatic transaction close option**

Department sales are made by entering an amount followed by the department key.

For preset prices, only the DEPARTMENT key need be pressed. However, the preset prices can always be overridden.

In addition to department sales, the printer can accommodate a certain number of items with preset prices (called PLUs), whose description and price are printed out on the receipt by simply entering the quantity and code number.

PLUs utilize an indirect procedure, i.e., entering the product code followed by the PLU key.

PLUs differ from preset departments in the way they are recalled by the machine logic. With preset departments, when a numeric value is entered followed by a department key, the terminal reads the value entered as a price, while with PLUs, when a numeric value (from 1 to 300) is entered followed by the PLU key, the terminal reads this value as the recall number. A detailed explanation of the operational sequences for the different applications is given in section 4.3.

For the departments, the description that appears on the receipt does not normally refer to the specific product, but rather to its category (for example, FIRST COURSES rather than XXX LASAGNE).

To summarize, there are:

- **Indirect PLUs** maximum number is given in the MAIN FEATURES section
- **Departments enterable and preset)** the maximum number of direct departments depends on the number

For both the PLUs and departments, the terminal stores separately the quantity sold and the corresponding amounts.

Printouts of this data, along with other detailed information or summaries, can be requested.

NOTE

The terminal is normally programmed with a default quantity of "1" which is printed out. To expedite operation, repeated pressing of the PLU or DEPARTMENT keys will cause the last sale to be repeated and registered.

3.1.2 Voids and Corrections

The keyboard has a **CORRECTION** key which annuls the last operation performed, pressing directly, or preceded by "0" shows the included articles.

After selection of the article to correct, (with "Cod.Oper" and "Cod. Conven" keys) press "CASH" key to delete it. To exit press "CLIENT CODE(Esc)".

There is also a **CANCEL OPERATION** key which cancels the entire operation and to allow the data to be re-input.

3.1.3 Discounts and surcharges

Permissible operations include:

- *percent discounts on single transactions*
- *percent discounts on the subtotal*
- *percent surcharges on the subtotal*
- *fixed amount discounts on the subtotal*

It is also possible to program a percent or fixed amount that is automatically applied when the discount or surcharge key is pressed.

The results of these operations are rounded up or down to the nearest 5 lire unless the machine has been otherwise programmed.

3.1.4 Closing the transaction

Closing the transaction refers to the phase which begins with the pressing of one of the payment keys (CASH, CREDIT, OTHER PAYMENTS) for which the terminal prints the receipt/ invoice with the transaction total (the sum of the goods or services sold) including any discounts, surcharges, refunds and/or corrections, etc.).

3.1.5 Payment method

The terminal includes on its keyboard assigned keys and sequences to cover all traditional forms of payment:

- **CASH**
- **CREDIT**
- **OTHER PAYMENTS (Check, Credit card, Vouchers)**

Each form of payment has its own total and counter.

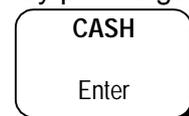
Payment mode may be mixed (e.g., part in Cash and the rest on Credit) and checks made out to sums in excess of the transaction amount may also be cashed and change due calculated.

The terminal can also be used to store information for:

- **INDIVIDUAL CREDIT ACCOUNTS**

For a fixed number of clients (max. 100) with the possibility of updating the account, including partial payments either as part of a transaction or separately. It can also be finalized as a general Credit sale that can be called up with the Client code "0".

Note that once the transaction has been concluded using the credit key, the balance can be displayed by pressing:



The terminal also has a CREDIT RECOVERY **function** which, after the customer has made a total or partial payment, allows this payment to be registered and the customer account updated, even if effected outside a normal sales transaction.

Finally, the terminal may also be used to manage :

3.1.6 Corporate or meal voucher

Terminal runs 30 types of ticket's "cut" linked to 10 companies, these are stored and when it's required, a recording invoice to the linked company is made. Selling with payments in vouchers is for the terminal a credit selling specifying on the receipt not only

EQUIVALENT NOT PAID

but the details of one of the 30 programming conventions, too, both the description and the total value (calling again with the proper key, as agreed with law). Moreover, this payment allows a mix payment, i.e., it's possible to charge the voucher's value and, if there is a difference, to close by cash.

3.1.7 Voucher's payment

- Type the different items
- Press sub total (not compulsory but it's useful to check the amount to transmit to the client)
- Press the voucher's code (for example 1 Ticket Day Intl. 15,000) if it's only one voucher or make use of multiplication if there are multiple's vouchers



- Press the key



- If the amount is the same to the voucher's value, terminal will print the receipt, if the voucher's amount is lower, terminal stops and it waits the finishing payment, if the voucher's amount is higher, terminal puts the difference with "OTHER" item on the bill.

3.1.8 Indirect receipts

Direct payments (such as imprest fund) can be made without issuing a document (if an auxiliary printer is connected, the pre-receipt will be generated on the service machine) and the cash-on-hand balance will be incremented.

The procedure for this operation is as follows:

- enter



The display will read



- Enter the amount (e.g., 10.000)



3.1.9 Direct payments

Withdrawals and expenditures (e.g., courier payments) can be effected as follows:



The display will read



- enter the expenditure amount (e.g., 50.000)



3.1.10 Customization

Any customization of the terminal to meet specific client requirements is usually carried out by the client service technician.

However, the user can customize some parameters, for example PLU prices and PRESET DEPARTMENTS, by following the procedures outlined in the **PROGRAMMING** section.

3.1.11 Reports (printouts)

Through the terminal, a wide range of detailed and summary reports pertaining to corporate operational data can be printed out.

Each type of report may be generated in two different modes:

- **REPORT WITH ZERO-RESET**
- **READ-ONLY REPORT**

The former provides a printout of the counters and totalizers which reset to zero once the report has been printed. This type of report is usually requested when a periodic check of certain data is required (for example, daily receipts or a daily report of all user transactions).

The latter provides a cumulative report and the counters and totalizers do not reset to zero after the data is printed.

The reports that can be generated are listed in the **MAIN FEATURES** section.

For a complete description of the procedures to be followed to print these reports, please refer to the chapter contained in this manual.

3.1.12 Special Function

This terminal offers a wide range of additional functions, including:

- **Subtotal display on the terminal at any time during the transaction**
- **User identification**
- **PLU price confirmation during the transaction**
- **Automatic client heading print-out**
- **Automatic printing of customer tax and VAT I.D. numbers**
- **Optional insertion of VAT/tax I.D. numbers**
- **Customization and report print out following display instructions**
- **Duplication of last-issued document**
- **Customer credit recovery**
- **General credit recovery**
- **Client deferred invoicing**
- **Meal voucher deferred invoicing**
- **Printing a pre-receipt (option available when an auxiliary printer is connected)**
- **Printing of the articles included before closing (option when it's connected with an additional printer)**
- **Receipt recall (option available when an auxiliary printer is connected)**
- **Total Display transaction whether in italian lira or EURO.**
- **Display on the additional display (option) of an advertising message of 40 characters**
- **It's possible to insert a didn't add up number (example: for identification)**
- **It's possible to insert a row of message programmable from keyboard at the end of receipt (example Numberplate etc.)**

3.1.13 Main features

- # Departments 20
- # PLUs 300
- Totalizers 10 digit
- Counters 5 digit
- Users 15
- Meal voucher Company 3000
- Clients 100
- Enterable and preset % discounts on departments, PLUs and subtotal
- Correction and voiding
- Credit management
- Corporate rates 30 managements
- Single entry
- Item repetition
- Credit recovery
- ◆ PAYMENTS
 - CASH
 - CREDIT
 - CREDIT CARD
 - CORPORATE RATES VOUCHERS
- ◆ VAT
 - 5 different rates (plus VAT-exempt)
 - VAT breakdown calculations
- ◆ REPORTS
 - Daily statement
 - Department
 - PLU
 - Selective PLU
 - Users
 - Corporate rates
 - Client report (credit/debit)
 - Company report
- ◆ OTHER FUNCTIONS
 - Automatic calendar
 - Calculation and display of change due
 - Automatic insertion of tax/VAT I.D. number and automatic check
- ◆ PROGRAM MESSAGES
 - Receipt/invoice heading up to 15 lines of 32 characters
 - Advertising message on Customer Display (option) of 40 characters
 - Possibility of changing all messages, either on display or printout

◆ RECEIPT LAYOUT

CUSTOM
APPLIED ELECTRONIC TECHNOLOGY
CUSTOM ENGINEERING srl
Via Berettine 2/b - 43010 Fontevivo
PARMA - ITALY
Tel. + 39-521-610700 - Fax + 39-521-610701

DESCR. QUANT. PREZZI DEI BENI E DEI SERVIZI
 16-12-98 16:28

FATTURA 2 #001

2 COPERTO	2000	C
2 ANTIPASTO	4000	C
2 PRIMI PIATTI	16000	C
2 SECONDI PIATTI	28000	C
1 CONTORNI	5000	C
1 CONTORNI Speciali	11000	C
2 FRUTTA	16000	C

TOTALE **82.000**
 EURO **42,5**
 CORRISP. NON PAGATO CREDITI

ALIQ. IMPONIBILE IVA
 C=10,00 74543 7457

INTEST. / COD. FISC. CLIENTE
ROSSI S.P.A
 Via Verdi 12 MILANO (MI)
 C.F./P.IVA : 12345678901
 AB 124 FG

CORRISPETTIVO IVA INCLUSA PAGATO
RICEVUTA FISCALE - FATTURA (Ricevuta Fiscale)
 D.M 30/03/92 - Art. 12 comma 6 - Legge 30/12/91 Art. 413
 L.D.V. LAZZATI s.a.s. - Via Pegoraro, 6 - Gallarate - Aut. Min. Fin. 521706/87 del 17-01-1988

NR 000000 /98

aro RIVENDITA
 s.r.l. CAVARIA (VA) - VIA PER CEDRATE, 24 - AUT. RIV. N. 140 del 04/05/94

Receipt Heading (15 lines of 32 characters each or 582 dot/line as graphic.)

Mark alignment

Transaction data
 Invoice also include VAT statement

Client heading
 Company name (optional)
 Address (optional)
 VAT# (required for tax-deductible documents)

Including text

Document type and number

4. USING THE TERMINAL

4.1 Preparing the terminal

Before using the terminal for the first time, it is a good idea to carry out a few preliminary operations, some of which will already have been performed by the service technician (heading and department programming, etc.), but some may be performed by the user directly.

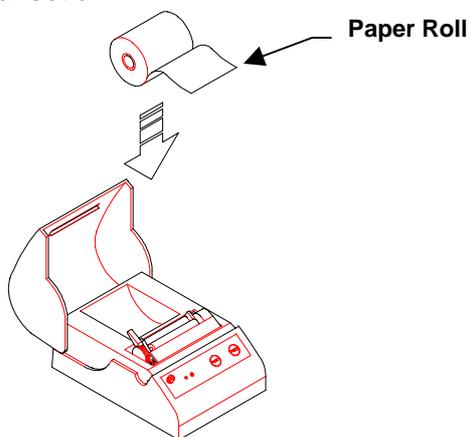
1. Plug the electrical cable into the back of the terminal
2. Turn on the terminal using the switch located at the rear

4.1.1 Inserting a plain paper roll (w/o alignment mark)

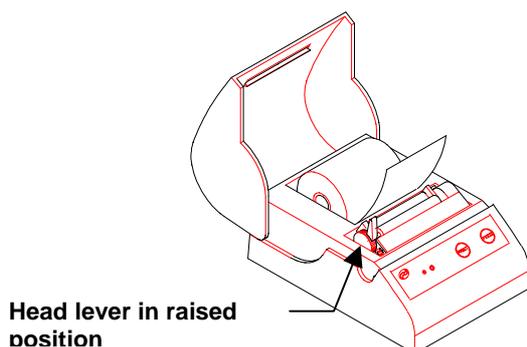
Loading the service roll into the terminal permits the printing of utilities without ruining receipt or invoice stock.

Follow the instructions given below to load paper into either of the two models, with or without cutter:

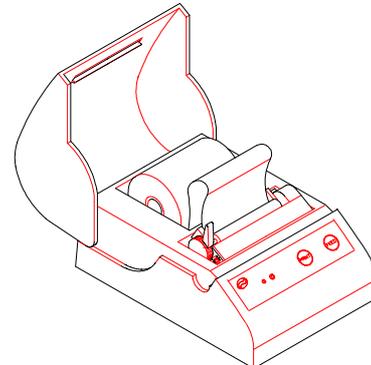
1. Open the printer cover and position the roll of paper, making sure it unrolls in the proper direction



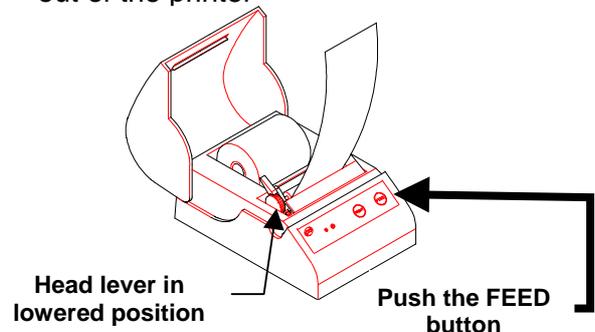
2. Use the lever to raise the printing head;



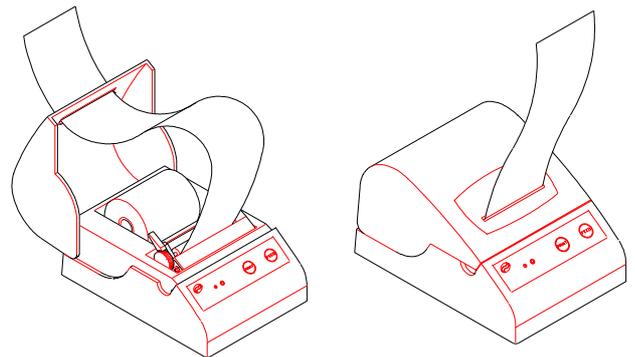
3. Insert the end of the roll into the opening of the printing mechanism and wait for the roll to load:



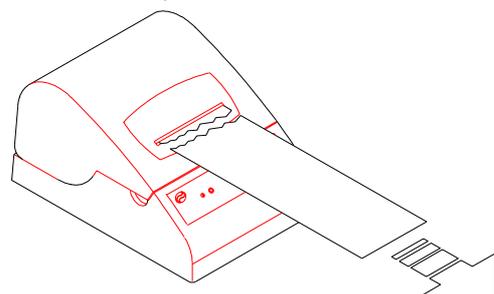
4. Lower the head lever and press the FEED button to feed a few centimeters of paper out of the printer



5. Feed the end of the paper roll into the opening in the printer cover and close the cover



6. Tear off the excess paper (only in the model without cutter)

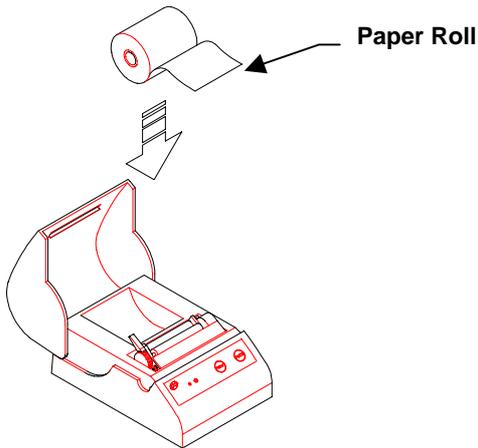


4.1.2 Inserting the receipt roll (with alignment mark)

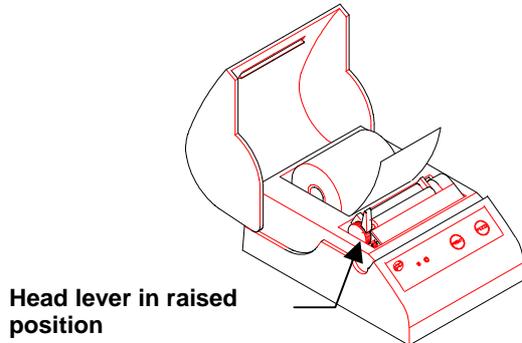
Loading the service roll into the terminal permits the printing of utilities without ruining receipt or invoice stock.

Follow the instructions given below to load paper into either of the two models, with or without cutter:

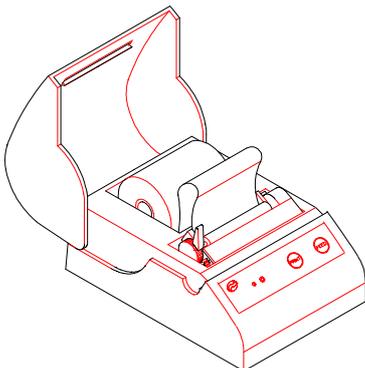
1. Open the printer cover and position the roll of paper, making sure it unrolls in the proper direction;



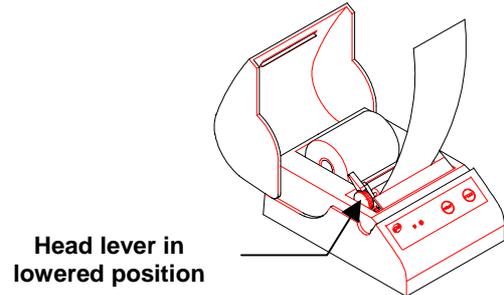
2. Use the lever to raise the printing head;



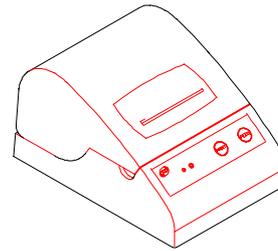
3. Insert the end of the roll into the opening of the printing mechanism and wait for the roll to load automatically;



4. Lower the head lever;



5. Close the cover; the machine is ready to print;



6. The following message will appear on the display:

READY 12-01-98 10 :20
--

7. Customization of the terminal may now be completed.

4.2 FUNCTIONS MENU

All terminal functions may be accessed through the **FUNCTIONS MENU** using the **FUNCTIONS** key



The first of the available functions will appear on the display:



If the function shown on the display is the one you wish to use, confirm by pressing:



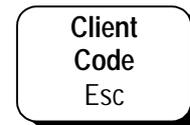
If not, while still in the **FUNCTIONS MENU** and using the **SUBTOTAL** key, you can scroll through the other available functions whose descriptions will appear on the display. These include:

CODE	FUNCTION
0	Print pre-receipt
1	Print fiscal receipt
2	Print invoice
3	Withdrawals
4	Imprest fund
5	Read
6	Zero reset
7	Programming
8	Deferred invoicing
9	Receipt recall
10	Change pre-receipt #
11	Change fiscal receipt #
12	Change fattura #
13	Invoicing ticket to Company

The desired function can be accessed directly by using the codes given above, followed by the **FUNCTIONS** key.

When you have reached the function desired, the terminal will display the selected message until a new command is given.

To exit the **FUNCTIONS MENU** and return the terminal to **READY** status, press:



4.2.1 How to print out a fiscal receipt or invoice

The default setting of the terminal is usually set for the printing of fiscal receipts, but this setting can be changed through programming. When the machine is in use, the document type to be printed (fiscal receipt or invoice) can be selected at one of two different times, either **before** or **after** the items have been entered.

Before:

Use the procedure described above to select the document type. Once the type of document to be printed has been selected, the terminal is ready to receive the data for the current sale, input as described in the next chapter, followed by closing according to payment type.

N.B.: If the document number must be changed, proceed as follows:

Select a function (10, 11 or 12)

Through a message on the display, the terminal will request the number of the receipt or invoice, for example:



Confirm the number using the **CASH** key, or enter a new number (**a number less than the one stored cannot be entered**) followed by the **CASH** key.

Once this has been performed, the terminal is ready to receive the data for the current sale, input as described in the next chapter, followed by closing according to payment type.

After:

Enter the data for the sales transaction, then, before closing, select the document type as described above (**2** for invoice then **FUNCTION**). Once selected, close using the applicable payment mode.

4.3 SALES BY DEPARTMENT OR PLU

Sales are printed out according to one of the following categories:

- **Department**
- **PLU** **set-price goods or services, assigned by department.**

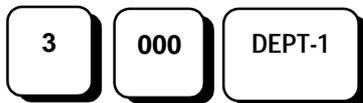
Sales are rung up on the keyboard under Department or PLU, as described below.

■ Department

Departments represent merchandise categories and their descriptions refer, therefore, to the category and not the individual product sold. The terminal can be programmed so that either all or only some departments use preset prices. In this case, when the department key is pressed, the terminal displays and prints the preset price on the receipt. Unlike with PLUs, this price can be overridden without having to press the price key.

Here are two examples:

■ SALE FOR A DEPARTMENT WITHOUT PRESET PRICES

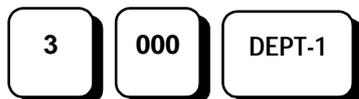


■ SALE FOR A DEPARTMENT WITH PRESET PRICES :

1. Using the **preset price**



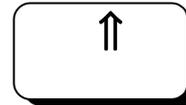
2. **Overriding the preset price:**



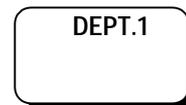
4.3.1 Department sales with different description and price

This function permits the printing of a description different from the original department and storing of the previously-programmed amount as identification (see programming).

Press :



Simultaneously with the department(s) desired



Close the operation with



■ PLU

The terminal may be programmed with a given number of PLUs, i.e., items with preset description and price.

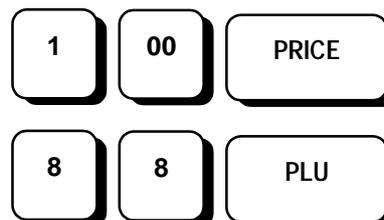
PLUs are stored with a code that is entered on the keyboard, followed by the "PLU" key. For example, to key in PLU 88:



For a quantity other than 1, use the multiplication (x) key:



It is also possible to **override the price (for that keyboard entry only)** using the **PRICE** key:



4.3.2 Inserting a client fiscal code

This function is used to insert the Fiscal Code/VAT number of a client on his receipt/invoice as it is being issued. With this number, the receipt/invoice can be used for tax deductions.

NOTE

*This number, which renders the receipt or invoice legally valid for tax-deduction purposes, **must** be included at the time the document is issued, and the document must also contain **merchandise identification, quantity and type.***

The terminal also runs a check of the information entered, and if it is correct, on the display will appear:

F. C. / VAT # OK

Example of how to insert a fiscal code.

1. To enter the code

CLIENT
CODE

F. C. / VAT

2. Enter the fiscal code (16 digits for the fiscal code, 11 for the VAT number).

3. Confirm by pressing

CASH
Enter

4. If correct, the following will appear on the display

F.C. / VAT OK

5. If incorrect, the following message will appear

F.C./ VAT # incorrect
[cash]=continue

6. At this point, it is possible to either:

- Force the acceptance of the previously-entered code by pressing

CASH
Enter

- Continue to ring up the items, or close the transaction

4.3.3 Free message insertion

Always with the key used to put the fiscal code, it's possible (eliminating the check in option's planning) to put a message with the keyboard's codes, for example, to put a numberplate, for a car wash or a tyre centre.

Sequence:

- Type the items on the departments or PLU
- Press the key

CLIENT
CODE

- Display

V.A.T.

- it's possible to put a fiscal code or to skip

CASH

this procedure pressing the key

- After the pressing of the key, display will show

MESSAGE

- Put the message (for example numberplate) and press the key

CASH

4.3.4 Sample Transaction

To effect a transaction, proceed as follows (if inserting document type before the sale):

FUNCTION

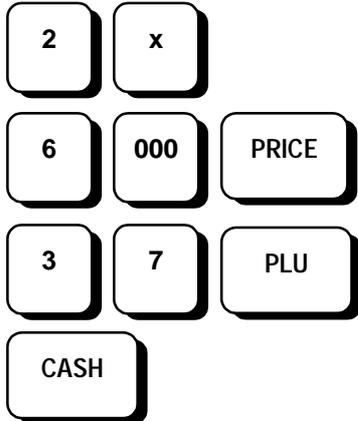
To continue scrolling through the functions contained in the main menu

CASH

To confirm and access the function

Once the type of document to be printed has been selected, the terminal is ready to accept data.

1. DEPARTMENT sale, e.g., **Wash and set**
Lit.8.000 under dept. 1
2. 2-item sale under PLU 37 with price I.D. (in this example, "FACE CREAM XXX")



Each sales item is displayed and printed.

WASH & SET	
1	8000
FACE CREAM XXX	
9	15650
CASH	
37	12000

Sample of printed receipt

CUSTOM
 APPLIED ELECTRONIC TECHNOLOGY
 CUSTOM ENGINEERING srl
 Via Berettine 2/b - 43010 Fontevivo
 PARMA - ITALY
 Tel. + 39-521-610700 - Fax + 39-521-610701

DESCR., QUANT., PREZZI DEI BENI E DEI SERVIZI
 23-04-98
RIC. FISC. 29
 1 COPERTO
 1 PRIMO PIATTO 10000
 1 SECONDO PIATTO 14000
 1 CONTORNO 5000
 1 DOLCE 5000
TOTALE 34000

VALIDA PER IL CLIENTE AI SENSI DELLA LEGGE 30/12/91
 NON VALIDA

INTEST. / COD. FISC. CLIENTE

CORRISPETTIVO I.V.A. INCLUSA PAGATO
 RICEVUTA FISCALE - FATTURA (Ricevuta Fiscale)
 D.M. 30/3/92 - Art. 12, comma 6 - Legge 30/12/91 Art.413

BRF /97
 AUT. MIN. N.360954 DEL 31/05/1979 - MECCANOGRAFICA S.p.A.
 Via Magli 12 - ANZOLA EMILIA (BO) - Partita IVA 00501131205

BRF /97
 AUT. MIN. N.360954 DEL 31/05/1979 - MECCANOGRAFICA S.p.A.
 Via Magli 12 - ANZOLA EMILIA (BO) - Partita IVA 00501131205

4.3.5 Single entry

For any department or PLU it is possible to select an option through which if the sale made on that PLU or department is the first item to be rung up, the transaction will be closed automatically as a cash sale without having to press the CASH key.

The correct keying sequences for the different examples are:

1. **Indirect PLU** (PLU #88 in this example)



2. **Department** (sum of Lit. 5.000)

Single entry sales can only be effected for a quantity of 1.

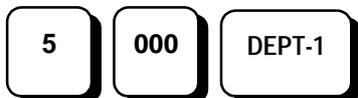
For quantities other than 1, entered using the multiplication key, the PLU or department, even if programmed for the SINGLE ENTRY function, will no longer close the transaction which must be terminated with one of the payment keys (CASH, CREDIT or OTHER PAYMENT).

Similarly, for transactions which begin with departments or PLUs set for the single entry option, the X key must be pressed to keep the transaction from being closed. For example:

4. Transaction begun with a PLU set for single entry:



5. Next item :



6. Transaction close:



4.3.6 Automatic transaction opening

To expedite and simplify the work of the user as much as possible, the terminal, through a specific option, automatically opens a single document for each transaction by simply assigning the direct sale to a Department or PLU. In this way it is possible to work directly from the keyboard without specifying document type to be used each time.

It is always possible, however, to print out a document different from the automatically set one using the **FUNCTIONS MENU**.

Samples :

• **Direct :**



• **Other document (invoice)**



4.3.7 Corrections

- To correct the erroneously-entered order of "2 COFFEE" (last item entered) with "2 TEA"



COFFEE 2	1600
--------------------	-------------



- 1600

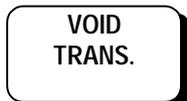


TEA 2	1800
-----------------	-------------



4.3.8 Voiding a transaction

To completely void a transaction, press:



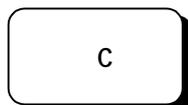
At this point, a message will be displayed asking you to confirm that the transaction is to be voided:

VOID ? [C]=NO [CASH]=YES

to confirm, press:



or



to cancel the void operation.

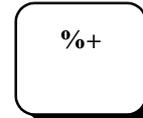
4.4 DISCOUNTS AND SURCHARGES

Using the terminal, it is possible to:

- for single transaction items (or articles sold by department or PLU);
- on the entire amount (sale subtotal);
- make % discounts using the **-%** key



- make % surcharges using the **+%** key



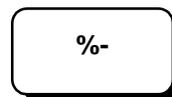
It should be noted that a percent discount or surcharge can be programmed for each of the functions above which will be applied automatically when the corresponding key is pressed. There can only be one pre-programmed value for all departments and PLUs, but it can be overridden manually.

Basic keying sequence

After having entered the sale by DEPARTMENT or PLU, key-in the discount (or surcharge) followed by the function key. For example, for a discount of 33.3%



If this is the pre-programmed discount, just press:



NOTE :

The machine rounds-up the result of percent calculations and, in addition, can be programmed to further round the total to the nearest 5 lire.

4.4.1 PERCENT DISCOUNTS

A percent discount may be applied on a single item immediately after it has been entered or after a SUBTOTAL.

The example which follows illustrates the keying of a complete sale that includes a discount entered manually after having rung-up a PLU.

- 2-item sale on PLU 8 (LASAGNE in this example)



- to effect a 33.3% discount on this item, key as follows:



- proceed with the transaction or close using one of the payment keys, for example:



The example which follows illustrates the keying of a complete PLU sale with a percent discount calculated on the SUBTOTAL.

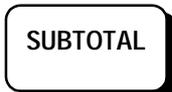
- 2 ice cream items entered under PLU 9 ("SOFT-SERVE" in the example)



- 2 beers (PLU 37)



- SUBTOTAL calculation (mandatory)



- application of a 10% discount:
- close by pressing a payment key, for example:



RISTORANTE 'IL SOLE'	
VIA DEL LIDO 144	
MARINA DI PONENTE	
VAT 12345678901	
24-08-97	12:40
TAX RECEIPT # 4	
2X PIZZA	10.000 A

33% -	6.600 A
TOTAL	3.400
EURO	1,74
PAID	CASH

Example of fiscal receipt

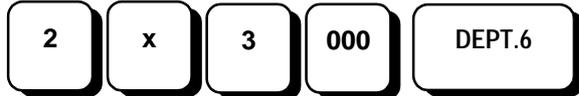
4.4.2 Percent surcharge

This function will apply a percent surcharge on a transaction subtotal, as illustrated in the example below:

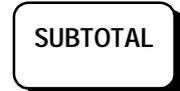
1. 2 ice cream items entered under PLU 8 (“SOFT-SERVE” in the example)



2. 2 drinks at £. 3000 on DIRECT DEPT. 6



3. SUBTOTAL calculation (mandatory)



4. application of a 10% surcharge :



5. close by pressing a payment key, for example:



5. PAYMENT

Each sales transaction is closed by a payment, i.e., using the appropriate keyboard sequence to register each sale according to its form of payment:

- **cash** (assigned key)
- **Other payment type** (sequence)

or registering the transaction close as a:

- **credit** (assigned key)

Payment could be mixed, too: this means that it's possible to pay in part by cash and remaining on credit.

The key sequences used for each type of payment are described in detail below.

■ VAT PRINTOUT

Both the amounts of the single sales, as well as their totals, are always printed on the receipt with their relative VAT.

Printing the invoice prints out a VAT breakdown divided between the various percentages relative to the total sale.

Examples of the key sequences for each type of payment are given below.

■ CLIENT FISCAL CODE PRINTOUT

Printed at transaction end following the total, if this option was pre-set.

5.1.1 CASH

This operation closes cash transactions and when this key is pushed it ends the sale and a receipt/invoice is issued.

Mixed payments are allowed, too.

The same key is also used to deposit cash without printing a receipt (for **administrative purposes**), increasing cash sums in the till.

Some examples are illustrated below:

1. Department and PLU sales:

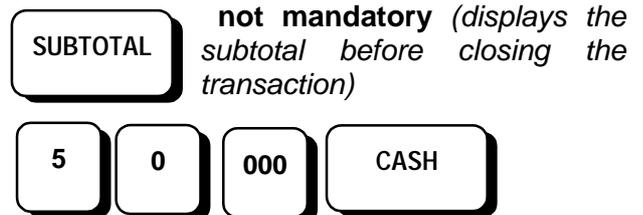


2. For cash payments, press:



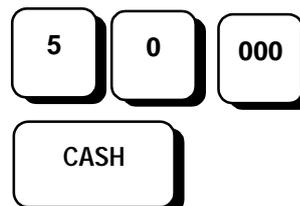
RISTORANTE ' IL SOLE '	
VIA DEL LIDO 144	
MARINA DI PONENTE	
VAT 12345678901	
24-08-97	12 :40
TAX. RECEIPT # 4	
1X DRINK	8.000 A
1X CHEESE PIZZA	5.000 A
TOTAL	13.000
EURO	6,67
PAID	CASH

1. or, to calculate change due:



The amount of change due will be shown on the display.

This operation can also be performed after closing using the following sequence:



Display

CASH	13000
-------------	--------------

Calculating change due

CHANGE	37000
---------------	--------------

MIXED PAYMENT

SUBTOTAL *it's not compulsory* (it permits to display SUBTOTAL before to finish the transaction).

3 0 000 CONTANTI

In this instance the terminal waits for payment's completion. This operation can be made with CREDIT END KEY or with the sequence other payments:

5.1.2 Checks

Used for payment by check, this sequence will close the transaction.

Since this function has no key assigned to it, a key sequence must be used.

1. Department and PLU sales:

8 000 DEPT.1
5 000 PRICE
4 7 PLU

2. Payment by check:

1 OTHER PAYMENTS

Display

CHECK
13000

It is also possible to accept a check made out to a sum greater than that of the transaction and give change if there are sufficient funds in the cash drawer.

Proceed as follows:

1. Department and PLU sales:

8 000 DEPT.1
5 000 PRICE
4 7 PLU

2. Payment by check made out to a sum higher than the transaction:

3 OTHER PAYMENT

3. enter the total amount of the check and press

CASH

As mentioned in the preceding chapter, also for this, it's possible to make the mixed payment with the sequence:

SALES - PAID UP AMOUNT - CASH -
PAYMENT TYPE NUMBER - OTHER
PAYMENTS

NOTE

The OTHER PAYMENT key is used to select a variety of payment methods, including:

CREDIT CARD
2 + Other Payments
• CHECKS
1+ Other Payments

5.1.3 Credit Card

Conditions similar to those of check, but using code 2 and DIFFERENT PAYMENTS.

1. Sales on departments and on PLU:
2. Payment with Credit Card

2 OTHER PAYMENT

Display

CREDIT CARD
13000

Confirm with CASH key or correct with C key.

5.1.4 Credit

A transaction may also be closed by crediting the sale, and to allow this, the terminal is equipped to manage a number of client accounts (max 100) each with its own stored code and I.D.

Code **0** is used for generic credit closings (without storing the client code).

The machine updates the client account according to agreed credit limits and payments made. These payments may be effected either as part of a transaction or separately.

Key sequence:

1. Enter the sale items under a department or PLU and press:

SUBTOTAL

(not mandatory, used to display the transaction subtotal)

2. The amount due will be displayed (ex., Lit. 514.000); to credit the entire sum, push:

CREDIT

RISTORANTE 'IL SOLE '	
VIA DEL LIDO 144	
MARINA DI PONENTE	
VAT 12345678901	
24-08-97 12 :40	
TAX. RECEIPT # 4	
1X DRINK	8.000 A
1X PIZZA	5.000 A
TOTAL	13.000
EURO	6,67
NOT PAID	CREDIT

1. To debit a client account after a SUBTOTAL, insert the client code (here, code # 15):

1

5

**CLIENT
CODE**

2. The terminal will issue the receipt and close the transaction.
3. At this point the new client account balance can be displayed by pressing:

CASH

Display

CREDIT 541000

With Client code

ROSSI 541000

Display of account balance

ROSSI BALANCE	1530000
--------------------------------	----------------

If the deferred invoicing option was previously enabled (OPTIONS menu), each receipt issued is stored for future invoicing.

5.1.5 Corporate rates/Voucher

When the Credit key is used together with the corporate rate code, payment can be made using the **Voucher** or **Corporate rate** option.

Vouchers are issued on the basis of a special agreement between the user's business and a given corporate entity.

Current regulations dictate that the tax receipt or invoice include:

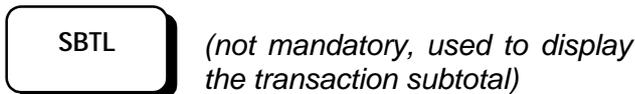
- the amount not paid
- the name of the company covered by the special rate

Terminal is able to store up to 30 types of ticket's cutting linked to 10 agreed companies.

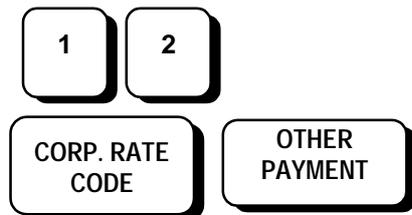
It's possible to use the multiplication key, in case of use of multiple voucher.

To access this option, proceed as follows:

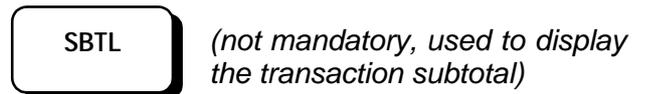
1. Enter the sale items under a department or PLU and press:



2. The amount due will be displayed
3. Call up the corporate rate by entering the relevant code (ex.,12)



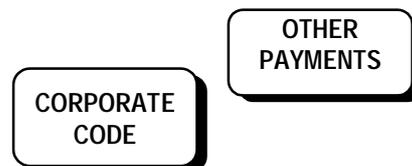
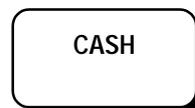
In any case of mixed payment:



1. The amount due will be displayed
2. Call up the corporate rate by entering the relevant code (ex.,12)



3. Press then



In case of use of different tickets showing the same price, it's possible to use the multiplication's key with the sequence:

5.1.6 Client deferred invoicing

To print out a deferred invoice, from the **FUNCTION MENU** select:

FUNCTION MENU
DEF. INVOICE

by pressing :



On the display will appear:

CLIENT CODE

- Type in the client code, for example:



On the display will appear:

BEGINNING DATE

DATE [ggmmaa]

- Press beginning date of the receipt that should be invoiced example 31-03-99:



END DATE

DATE [ggmmaa]

- Press end date of the receipt that should be invoiced example 15-04-99:



On display

CLOSING TYPE
CASH / CREDIT

- Press CASH key if you want close cash or CREDIT for the credit's closing
In case of cash's closing terminal will made the automatic operation of credit rescue on the client.

The terminal will print the invoice in which will appear a list of the receipts issued in the selected month.

RISTORANTE ' IL SOLE '		
VIA DEL LIDO 144		
MARINA DI PONENTE		
VAT 12345678901		
24-08-97 12 :40		
INVOICE # 4		
14-12-98	REC.5	10.000 A
15-12-98	REC.25	20.000 A
TOTAL		30.000
EURO		10,26
NOT PAID		CREDIT
RATE	TOTAL	VAT
C=10%	27271	2729
ROSSI S.P.A.		
Via Verdi 1234 PARMA (PR)		
F.C. /VAT : 12345678901		

Example for CREDIT closing

5.1.7 Meal voucher deferred invoicing

To execute the ticket deferred invoicing, select from menu:

FUNCTION MENU
TICKET INVOICE

with the keys:



Display:

SOCIETY CODE
■

- Insert the code and press "**CASH**"

RISTORANTE ' IL SOLE '		
VIA DEL LIDO 144		
MARINA DI PONENTE		
P.IVA 12345678901		
24-08-97		12 :40
INVOICE. #.4		
1	TICKET DAY 10.000	10.000
<hr/>		
1	TOTAL	10.000
	DISCOUNT INC. 5%	- 500
	AMOUNT	9.500
	BREAKUP 9,1%	- 864
	TAXABLE	8.636
	VAT 10.00%	863
<hr/>		
	TOTAL	9.499
	EURO	4,91
	CASH	9.499
	PAID EQUIVALENT	
TICKET DAY SRL.		
Via Verdi 1234 PARMA (PR)		
C.F./P.IVA: 12345678901		

Example of deferred invoice to Company

6. ADDITIONAL FUNCTIONS

■ SPECIAL FUNCTIONS

Includes those functions which can be performed during sales activity (as well as when the machine is not being utilized):

- **Subtotal display at any time during a transaction**
- **User I.D.**
- **Confirmation of PLU price during transaction**
- **Automatic printout of client heading and on receipts/invoices**
- **Automatic printout of client tax and VAT code**
- **Option to enter tax and VAT code**
- **Customization and report printout following instructions on display**
- **Duplicate of last issued document**
- **Client credit recovery**
- **Insertion of a didn't add up number (as identification of document)**
- **Insertion of a free message**
- **Pre-receipt printout (option with Slip Printer connected)**
- **Receipt recall (option with Slip Printer connected)**
- **Printing of the articles included before closing (option with Slip Printer connected)**
- **Writeoff of a receipt erroneously debted to a client**
- **Display of promotional message on Customer Display (optional)**

6.1.1 SUBTOTAL DISPLAY OR PRINT-OUT

The transaction total may be displayed at any time during the transaction by pressing:



The current subtotal plus the number of items sold will be displayed.

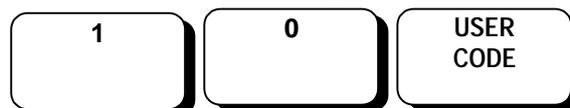
For example:

SUBTOTAL	
4	123000

6.1.2 User identification

When the terminal is switched on and before transactions commence, it is possible to assign a user identification code to which all sales activity should be assigned. If the option has been programmed, it is also possible to select during a sale so that the various services can be broken down on the receipt itself.

1. To assign sales activity to user 10:



The display will read

User	10
rossi	

2. then enter the sales and, if programmed, a new user, or close the transaction.

NOTE

The printed receipt/invoice includes the code number of the user who performed the transaction. Once assigned, this user code will be printed on each document and remain unchanged until a new user code is entered.

RISTORANTE 'IL SOLE' VIA DEL LIDO 144 MARINA DI PONENTE VAT 12345678901 24-08-97 12:40 TAX. RECEIPT # 4	
USER 1:ROSSI	← User
1X DRINK	8.000 A
1X CHEESE PIZZA	5.000 A
TOTAL	13.000
EURO	6,67
NOT PAID	CREDIT

6.1.3 PLU price confirmation

This function, which can only be accessed during a transaction, will display the PLU price

- To find out the price currently stored under PLU #1, press:



- then enter the PLU code

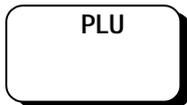


- and the following will appear on the display:

```

PLU 1
3.000
    
```

- At this point, to print the displayed PLU price, press:



6.1.4 Automatic printout of client fiscal data

For invoices or receipts to be used for tax purposes, the client's fiscal code / VAT number must appear on the document itself.

The terminal provides for this option in two ways:

- Manual insertion
- Recall of pre-entered client code

6.1.5 Manual insertion of code + message insertion

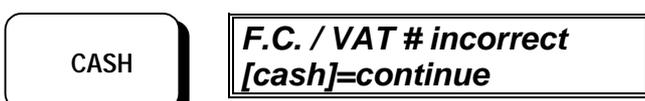
- To insert the fiscal code



- Enter the code and then confirm using



If OK, close; if not following the check, insertion on the document can be forced by pressing



6.1.6 Automatic insertion of code

- Sample: to print client code #3



- On the first line of the display will appear the client name, and on the second the account balance of the client:

```

CLIENT 3 :
30.000
    
```

- When the transaction is closed, the data called up will be printed out in the space dedicated to it on the document
- To cancel the insertion of the client code on the document, press:



- it's possible to insert a free message after the client (if in the option is disable the VAT code check), for the sequence see previous chapter

```

RISTORANTE ' IL SOLE '
VIA DEL LIDO 144
MARINA DI PONENTE
VAT 12345678901
24-08-97      12 :40
TAX. RECEIPT # 4

USER 10
1X DRINK                8.000 A
1X CHEESE PIZZA        5.000 A

TOTAL                13.000
EURO                6,67
PAID                    CASH

F.C. ABCD123FGHDER123
Numberplate FG 123 ER
    
```

Fiscal code/ VAT #

Free message

6.1.7 Duplicate receipts

If enabled, this function, once a transaction is closed, allows the last-issued receipt to be re-printed (when necessary).

To obtain a duplicate document, press the **CASH** key.

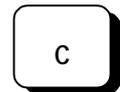
The display will read

DUPLICATE ?
[C]=NO [CASH]=YES

confirm using :



or cancel using:



NOTE

Be careful when printing a receipt or invoice. This function can be used when a copy of the first receipt is required; for checking purposes only, the paper must be changed and the service roll of paper inserted.

6.1.8 Credit recovery

This function, accessed at the end of a transaction, allows the client credit balance stored in the terminal archive to be accessed.

- To perform this operation, press:



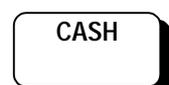
The display will read

WICH CLIENT ?

- Type in the client code, for example:



or

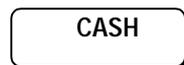


- The client I.D. and balance will be displayed briefly, followed by a prompt to enter the amount

AMPUNT ?

0

- enter the amount the client is paying and confirm by pressing:



- the new balance will now be displayed

Using client code "0", the credit recovery function can be accessed without assigning it to a specific client.

6.1.9 Pre-receipt printout (option with Slip Printer connected)

When a Slip Printer is connected, a pre-receipt printout to present at table can be printed out. This function is performed automatically if a non-fiscal receipt has been set as the default document; if not, type **0** and the **FUNCTION** key.

6.1.10 Printing of the articles included before closing (option with Slip Printer connected)

When we have connected the Slip Printer, it's possible to print the integrated articles for a check. This occurs pressing the **SUBTL.** 2 times.

6.1.11 Receipt recall (option with Slip Printer connected)

As explained in the section above, a pre-receipt to be presented at table can be printed out and re-called later for printing the final receipt/invoice (function limited to the last 20 pre-receipts).

To access this function, press:



On the display will appear a prompt to insert the number of the pre-receipt you wish to recall

PRE-RECEIPT #



Enter the receipt number and press the **CASH** key to confirm.

The terminal is now ready to accept the type of payment, which can be different from that on the pre-receipt.

6.1.12 Write-off of a receipt erroneously debted to a client.

This function allows to cancel a receipt erroneously stored to a client for a deferred invoice. If this operation is made on the issue's day there is the elimination of the relative totalizers, too; in case the elimination is made in a day different to the issue it's cancelled only in the client's buffer.

The sequence of this operation is, as follow:



Push the key



Until to display



Type the receipt number which must be eliminated (printed on DTK) and press the key



If the operation is correct on display there will be the message



Or in case of mistake there will be the message:



7. REPORTS

This terminal is equipped to print out a range of transaction summary reports, each with its own specific business/ account management application.

These reports can be generated in two ways:

- **Read only**
- **Zero reset**

The following elements appear on each report:

- **HEADING:** Includes report title and any information regarding the date of the last zero reset.
- **REPORT BODY:** divided into sections (if applicable)
- **CLOSING MESSAGE:** with time and date of printout

7.1 Changing paper

Since the report printouts are to be used for management purposes, a roll of heat-sensitive paper (or utility forms) must be used. At the beginning of this operation, before printing, a prompt requesting paper change will appear on the display to avoid printing the information on fiscal receipts or invoices.

**INSERT PLAIN PAPER
ROLL ? [CASH]**

7.2 System checks

If a report is interrupted through accidental zero reset, the content of the totalizers involved is not affected (zero reset is only performed at the end of the generation of a report).

7.3 Zero reset

If the report has been generated in zero reset mode, the totalizers and counters contained in it will be set to zero at the end of the report.

To print out reports, in the **FUNCTIONS MENU** go to:

**FUNCTIONS MENU
READ ONLY**

or

**FUNCTION MENU
ZERO RESET**

In the latter case, read-only reports cannot be accessed.

Confirm the choice of report type by pressing :

CASH

Scroll through the list of available reports (listed below), the descriptions of which will be displayed, using:

SUBTL

Once the correct report has been located, to print it press:

CASH

7.3.1 Report's List

Report type	Read only 5 FUNCT.	Zero reset 6 FUNCT.	Sequence
Daily statement	5 FUNCT.	6 FUNCT.	1 CASH,
Departments	5 FUNCT.	6 FUNCT.	2 CASH,
PLU	5 FUNCT	6 FUNCT	
Selective PLU	5 FUNCT	6 FUNCT	4 CASH,
Users	5 FUNCT	6 FUNCT	5 CASH,
Corporate rate	5 FUNCT	6 FUNCT	6 CASH,
Clients	5 FUNCT	6 FUNCT	7 CASH,
Program printout	5 FUNCT	6 FUNCT	8 CASH,
Company	5 FUNCT	6 FUNCT	9 CASH,

7.3.2 Daily statement

This report supplies a daily cash flow report with the following information:

- Cumulative gross total
- Daily gross total (by client and amount)
- Discounts and surcharges total (quantity and amount)
- Fixed discount (# operations and amount)
- Net total
- Credit sales total (# operations and amount)
- Credit recovery total (# operations and amount)
- Cash receipts (# operations and amount)
- Cash payments (# operations and amount)
- Cash on hand
- Payment type total (# operations and amount)
- Client credit balance
- Overall credit balance
- Total # fiscal receipts Cash issued (# operations and amount)
- Total # fiscal receipts Credit issued (# operations and amount)
- Total # invoices Cash issued (# operations and amount)
- Total # invoices Credit issued (# operations and amount)
- Cumulative zero reset #
- VAT total (amount due and VAT)

Read only example

Sequence :

5	FUNCTION
1	
CASH	

Display

FUNCTION MENU
READ ONLY

DAILY
STATEMENT

11 - 04 - 97 12:45		
DAILY STATEMENT		
ZERO RESET		NO
=====		
CUMULATIVE GROSS		1.000.000
DAILY GROSS		500.000
CLIENT DAILY DISCOUNTS		20
		1
		10.000
SURCHARGES		1
		10.000
FIXED DISC.		1
		10.000
DAILY NET CREDIT		499.300
		1
		50.000
CREDIT RECOVERY		1
		60.000
RECEIPTS		1
		10.000
PAYMENTS		1
		50.000
ON HAND CASH		460.000
		5
		300.000
CHECKS		1
		100.000
CREDIT CARD		1
		40.000
VOUCHERS		1
		10.000
CLIENT CREDIT BAL.		128.000
CREDIT BALANCE		140.000
DAILY RECEIPTS AMOUNT		6
		400.000
DAILY CRED. RECEIPTS AMOUNT		2
		100.000
DAILY INVOICES AMOUNT		1
		50.000
DAILY CRED. INVOICES AMOUNT		1
		50.000
DAILY NON-F REC. AMOUNT		0
		0
ZERO RESETS		20
=====		
RATE	TOTAL	VAT
A=9.00	1139.981	101149
B=12.00	174653	20960

7.3.3 Departments

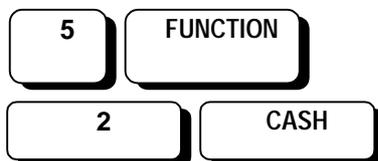
Provides information on the activity of each department.

The information supplied includes:

- **number of clients**
- **number of services (or items)**
- **gross receipts**
- **discounts amount**
- **surcharges amount**
- **net receipts**
- **total sales for department-assigned PLUs**
- **totals summary**

To access, proceed as follows:

Sequence :



Display

FUNCTION MENU
Read only

DEPARTMENT STATEMENT

11 - 04 - 97 12:45	
DEPARTMENT STATEMENT	
ZERO RESET	NO
=====	
1	DEPARTMENT 1
<i>STARTERS</i>	
CLIENTS	20
SALES	9
GROSS	324.600
DISCOUNTS	5.500
NET	319.100
PLU SALE	19.100

2	DEPARTMENT 2
<i>FIRST COURSE</i>	
CLIENTS	10
SALES	27
GROSS	300.000
DISCOUNTS	5.500
NET	294.500

3	DEPARTMENT 3
<i>MAIN COURSE</i>	
CLIENTS	18
SALES	57
GROSS	1.324.600
NET	1.324.600

4	DEPARTMENT 4
<i>SIDE DISHES</i>	
CLIENTS	9
SALES	57
GROSS	850.000
DISCOUNTS	15.000
NET	835.000

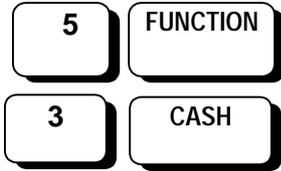
12	DEPARTMENT 12
<i>COFFEE</i>	
CLIENTS	13
SALES	7
GROSS	350.600
DISCOUNTS	5.500
SURCHARGES	20.000
NET	365.100
=====	
CLIENTS	70
SALES	157
GROSS	3.149.800
DISCOUNTS	31.500
SURCHARGES	20.000
NET	2.138.300

7.3.4 PLU

Provides detailed information on each PLU. The printout groups the PLUs by department.

To access the read only function, proceed as follows:

Sequence :



Display

FUNCTION MENU
READ ONLY

STATEMENT
PLU

11 - 04 - 97 12:45	
PLU STATEMENT	
ZERO RESET	NO
=====	
1	DEPARTMENT 1

<i>RISOTTO MILANESE</i>	
PLU 1	
SALES	14
	125.000
<i>RISOTTO MARINARA</i>	
PLU 2	
SALES	25
	324.600
=====	
2	DEPARTMENT 2

<i>PLU xx</i>	
PLU 6	
SALES	10
	100.000
<i>PLU xx</i>	
PLU 8	
SALES	5
	55.000
=====	
3	DEPARTMENT 3

PLU 9	
SALES	5
	25.000
<i>PLU xx</i>	
PLU 10	
SALES	20
	400.000

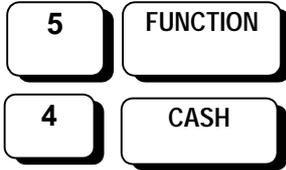
=====	
4	DEPARTMENT 4

<i>PLU xx</i>	
PLU 21	
SALES	15
	500.000
<i>PLU xx</i>	
PLU 22	
SALES	10
	825.000
=====	
12	DEPARTMENT 12

<i>PLU xx</i>	
PLU 100	
SALES	5
	50.000
<i>PLU xx</i>	
PLU 110	
SALES	2
	25.000
<i>PLU xx</i>	
PLU 111	
SALES	10
	400.000
<i>PLU xx</i>	
PLU 145	
SALES	5
	100.000
<i>PLU xx</i>	
PLU 157	
SALES	5
	100.000
<i>PLU xx</i>	
PLU 185	
SALES	2
	100.000
=====	
TOTAL	3.129.600

7.3.5 Selective PLU

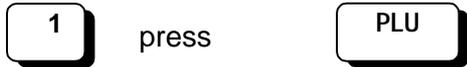
Allows for the reading of PLUs selected from to .
To access read only function, proceed as follows:



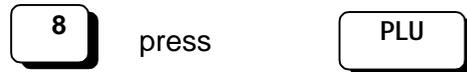
FUNCTION MENU
Read only

SELECTIVE PLU STATEMENT

Enter the number of the PLU from which to begin reading



FROM PLU



TO PLU

PLU xx	
PLU 5	
SALES	50
	500.000
PLU xx	
PLU 6	
SALES	15
	825.000
=====	
8	DEPARTMENT 8

PLU xx	
PLU 7	
SALES	5
	50.000
PLU xx	
PLU 8	
SALES	5
	25.000
=====	
TOTAL	1.804.600

11 - 04 - 97 12:45	
PLU STATEMENT	
ZERO RESET	NO
=====	
1	DEPARTMENT 1

PLU xx	
PLU 1	
SALES	5
	125.000
PLU xx	
PLU 2	
SALES	12
	324.600
=====	
2	DEPARTMENT 2

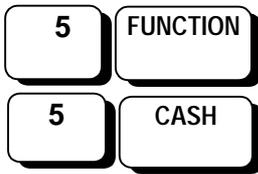
PLU xx	
PLU 3	
SALES	20
	100.000
PLU xx	
PLU4	
SALES	11
	55.000
=====	
4	DEPARTMENT 4

7.3.6 Users

Provides data for all users, including the following information broken down by user:

- No. of clients served
- Total gross sales
- Discounts
- Surcharges
- Fixed discounts
- Payment method
- Credit sales

To access the read only function, proceed as follows:



Display

FUNCTION MENU
READ ONLY

USERS
STATEMENT

11 - 04 - 97 12:45	
USER STATEMENT	
ZERO RESET	NO
=====	
1	USER 1
<i>MARK</i>	
CLIENTS	20
NET	33.500
DISCOUNTS	1.500
CASH	6.000
CHECK	5.000
CREDIT CARD	5.000
CREDIT	3.500

2	USER 2
<i>ANDREW</i>	
CLIENTS	3
NET	26.200
DISCOUNTS	2.000
CASH	6.000
CHECK	3.200
CREDIT CARD	10.000
CREDIT	5.000

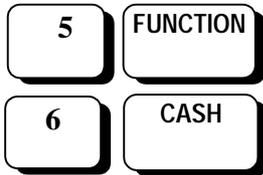
3	USER 3
<i>USER_{xx}</i>	
CLIENTS	1
NET	17.500
DISCOUNTS	0
CASH	10.000
CHECK	7.000
CREDIT	0

4	USER 4
<i>USER_{xx}</i>	
CLIENTS	30
NET	53.500
DISCOUNTS	5.500
CASH	8.000
CHECK	6.000
CREDIT CARD	9.000
=====	

7.3.7 Corporate rate statement

Prints out all corporate rate transactions with their respective totalizers.

To access the read only function, proceed as follows:



Display

FUNCTIONS MENU
READ ONLY

CORPORATE RATE
STATEMENT

11 - 04 - 97	12:45
CORPORATE RATE STATEMENT	
ZERO RESET	NO

ACCOUNT 1	
<i>DAY TICKET</i>	
#	12
TOTAL	96.000
PRICE	8.000
ACCOUNT 2	
<i>RESTAURANT TICKET</i>	
#	5
TOTAL	50.000
PRICE	10.000
ACCOUNT 10	
<i>TELECOM</i>	
#	50
TOTAL	1.400.000
PRICE	28.000
ACCOUNT 30	
<i>ROSSI SPA</i>	
#	20
TOTAL	680.000
PRICE	34.000

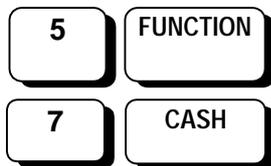
7.3.8 Client printout

Provides the payments/receipts balance for all active client accounts and includes the following information:

- Client name
- Total purchases made
- Total payments made
- Account balance
- Cash sales

This report can be generated either in read only or zero reset mode. In the latter case, before being reset to zero, the payments total will be subtracted from the purchases total.

Display



FUNCTION MENU
READ ONLY

RENDICONTO
CLIENTI

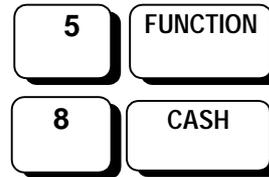
11 - 04 - 97 12:45	
CLIENT STATEMENT	
ZERO RESET	NO
=====	
1	
<i>ROSSI</i>	
PURCHASES	91.000
PAID	42.000
BALANCE	49.000
CASH PURCHASE	50.000

2	
<i>BIANCHI</i>	
PURCHASES	193.500
PAID	30.000
BALANCE	163.500
CASH PURCHASE	90.000

3	
<i>CLIENT xx</i>	
PURCHASES	72.600
PAID	0
BALANCE	72.600
CASH PURCHASE	50.000

7.3.9 Program printout

Prints the terminal program parameters currently in effect.



Display

FUNCTIONS MENU
READ ONLY

PROGRAM
PRINTOUT

18 - 05 - 98 11:51	
PROGRAM PRINTOUT	
ZERO RESET	NO
=====	
OPTIONS	
=====	
HEADING PRINTOUT	GRAPHICS MODE
MODULE LENGTH (mm)	152
HEADING LENGTH (mm)	31
ENTRY LENGTH (mm)	79
CLIENT LENGTH (mm)	17
MARKER DISTANCE (mm)	35
SLIP HD. LENGTH (mm)	30
SLIP ENTRY LENGTH (mm)	120
ROUNDING FACTOR	5
PRINT TIME	Yes
AUTO DOC. TYPE	FISCAL RECEIPT
DBL. DESCRIP.	Yes
MACHINE # (1 - 999)	0001
DUPL. ENABLE	Yes
2NDTK53 SERIAL	COMPUTER
KEY BEEP	Yes
USER FORCE	Yes
PRINT DENSITY	Level 1
DECIMAL PRICES	0 DIGITS
# COPIES	2
AUTO ALIGNMENT	Yes
OPTIONAL PRINT	NO

HEADING
TEXT MODE

RISTORANTE IL SOLE
Via del Lido, 144
MARINA DI PONENTE
Tel. 0354/345678
Fax 0354/345678
VAT # 12345678901
Closed Mondays

HEADING
GRAPHICS MODE



HEADING
GRAPHICS - TEXT MODE



RISTORANTE IL SOLE
Via del Lido, 144
MARINA DI PONENTE

CLIENTS

1 CLIENT 1
ROSSI SPA
VIA BIANCHI
VAT # 12345678901
DEF. INV. VAT # 3
BALANCE 150.000

2 CLIENT 2
BIANCHI SPA
VIA ROSSI, 25 BO
VAT # 12345678901
DEF. INV. VAT # 1
BALANCE 250.000

100 CLIENT 100
VERDI SPA
VIA BIANCHI
VAT # 12345678901
DEF. INV. VAT # 2
BALANCE 150.000

DEPARTMENTS

1 DEPT. 1
COVER CHG
2ND DESCR.
PRICE 1 1.500
PRICE 2 3.000
A - DEPT. 12
MAX. PRICE 100.000
VAT CODE #1 1
VAT CODE #2 2
SINGLE ENTRY NO

2 DEPT. 2

FIRST COURSE

2ND DESCR.
PRICE 1 5.500
PRICE 2 8.000
A - DEPT. 11
MAX. PRICE 100.000
VAT CODE #1 2
VAT CODE #2 3
SINGLE ENTRY NO

11 DEPT. 11

SANDWICH

2ND DESCR.
PRICE 1 1.500
PRICE 2 3.000
A - DEPT. 2
MAX. PRICE 100.000
VAT CODE #1 4
VAT CODE #2 5
SINGLE ENTRY NO

PLU

LASAGNE

PREZZO 4.500
DEPARTMENT 1
SINGLE ENTRY NO
2 TORTELLINI
PRICE 4.500
DEPARTMENT 2
SINGLE ENTRY NO

100

SHERBET

PRICE 4.500
DEPARTMENT 16
SINGLE ENTRY NO

FACTORS

1 FACTOR 1
ITEM DISCOUNT
ITEM DISCOUNT 10.00

2 FACTOR 2
SUBTOTAL DISCOUNT
SUBTOTAL DISCOUNT 5.5

3 FACTOR 3
ITEM SURCHARGE
ITEM SURCHARGE 10.00

4 FACTOR 4
SUBTOTAL SURCHARGE
SUBTOTAL SURCHARGE 20.00

VAT RATES

1 VAT #1
VAT EXEMPT 0.0

2 VAT #2
VAT 9% 9.0

3	VAT #3	
VAT 12%		12.0

4	VAT #4	
VAT 20%		20.0

5	VAT #5	
VAT 38%		38.0
=====		
DATA		27 - 10 - 97
=====		
TIME	14:20	
PAYMENT		
1	CASH	
2	CREDIT	
3	CHECK	
4	REST. VOUCHER	
5	CREDIT CARD	
=====		
CORPORATE RATE ACCOUNTS		
=====		
1	CORPORATE RATE # 1	
TICKET DAY 8000		
PRICE		8.000
2	CORPORATE RATE # 2	
Corporate Ratexx		
PRICE		10.000
=====		
COMPANY		
=====		
1	COMPANY # 1	
TICKET DAY SRL		
Via Verdi 25 - 40100 BOLOGNA		
F.C./V.A.T. 12345678912		

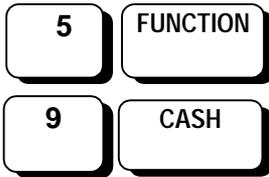
2	COMPANY #2	
Companyxx		
Address		
F.C./V.A.T. 12345678901		

7.3.10 List of the companies

Allow to have the status of the stored agreement of all companies, with the following data:

- Company's Name
- Description of the ticket's amount
- Number of the collected tickets
- Total of the collected tickets

Report could be reading only.



Display:

FUNCTIONS MENU
READ ONLY

STATEMENT
SOCIETY

11 - 04 - 97		12:45
STATEMENT SOCIETY		
ZERO RESET		NO
=====		
1	SOCIETY #1	
	<i>TICKET DAY</i>	
TICKET DAY 25000		2
TOTAL		50000
TICKET DAY 28000		10
TOTAL		280000
TICKET DAY 30000		2
TOTAL		60000
2	SOCIETY #2	
	<i>TICKET REST.</i>	
TICKET REST. 15000		2
TOTAL		30000
TICKET REST. 18000		2
TOTAL		36000
3	SOCIETY #3	
	<i>Societyxx</i>	
NO CORP. RATE ASSOCIATE		
4	SOCIETY #4	
	<i>Societyxx</i>	
NO CORP. RATE ASSOCIATE		
5	SOCIETY #5	
	<i>Societyxx</i>	
NO CORP. RATE ASSOCIATE		
6	SOCIETY #6	
	<i>Societyxx</i>	
NO CORP. RATE ASSOCIATE		

8. CUSTOMIZATION

The terminal is prepared for operation by the Customer Service technician at the time of installation.

The main custom operations carried out by the technician include entering the user company name to appear as the heading on every receipt/invoice, item descriptions and departments, PLU prices, client headings and VAT codes, VAT rates, discount rates, etc. Normally, therefore, no further machine programming is required, but the user is free to access and alter the internal program should normal business operations necessitate this.

NOTE

The various operations may be accessed quickly by entering the code for the desired option (a list of these appears in the table below), followed by the SUBTL key.

8.1 Archive programming

This chapter contains instructions for customizing the terminal data and functions. The table below summarizes the programming operations for each archive and the relative archive code number.

Archive #	Archive Type	Programming
1	Department max 20	<ul style="list-style-type: none"> Description 1 (max 18 characters) Description 2 Max. amount setting Price 1 Price 2 VAT rate 1 VAT rate 2 1. Single entry
2	Dept. Prices	<ul style="list-style-type: none"> Price 1 Price 2
3	PLU max 300	<ul style="list-style-type: none"> description (max 18 characters) price department 2. single entry
4	PLU prices	<ul style="list-style-type: none"> PLU code PLU price
5	Clients max 100	<ul style="list-style-type: none"> company name address VAT or fiscal code number deferred invoicing VAT code balance

6	Users max 15	<ul style="list-style-type: none"> I.D. gross amounts
7	Corporate rate accts.	<ul style="list-style-type: none"> name of company with account prefixed price
8	Conversion factor	<ul style="list-style-type: none"> Description factor %
9	VAT rate (5)	<ul style="list-style-type: none"> Description rate
10	Date change	<ul style="list-style-type: none"> sequence
11	Time change	<ul style="list-style-type: none"> sequence
12	Password	<ul style="list-style-type: none"> change password double check overall reset progressive reset protected menus messages
13	Options	<ul style="list-style-type: none"> heading printout receipt form length heading length entry length client length alignment marker distance slip heading length slip entry length rounding off time printout on form rec./inv. doc. default double description machine number duplicate enable heading DTK53 serial 2 key beep mandatory user print density messages decimal prices no. Copies automatic alignment deferred invoice enable optional print change due display department multiple balance display flowing message print gross F.C./V.A.T. confirmation
14	EURO exchange	<ul style="list-style-type: none"> exchange rate currency type

8.1.1 Access sequence

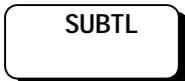
To access the various customizing options, call up the **PROGRAMMING** function under the **FUNCTIONS MENU** as follows:



Display

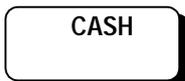
**DEPARTMENT
PROGRAMMING**

Once the **PROGRAMMING** option has been selected, use:



and choose the desired option from those contained in it.

To confirm an option and proceed to program it, press:



8.1.2 Department archive

◆ Programming instructions

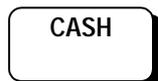
To program the departments, call up the **PROGRAMMING** option in the **FUNCTIONS MENU**.



Display

**DEPARTMENT
PROGRAMMING**

- to confirm, press :



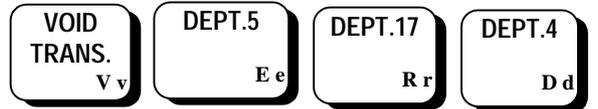
**DEPARTMENT CODE
1**

- Enter here the number (e.g., 1) of the DEPARTMENT you wish to customize or modify.

To continue, press:

NOME REPARTO 1

- Using the keyboard (which automatically changes to ALPHANU-MERIC mode), enter a description for the department, for example, VEGETABLE.



**DESCRIPTION 1
VEGETABLE**

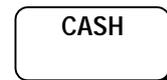
DESCRIPTION 2

- Enter the second description and confirm by pressing:



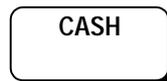
**MAXIMUM AMOUNT
100.000**

- An amount other than the one displayed in the example by pressing:



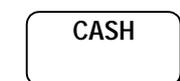
DEPT. PRICE 1

- Assign the first price for the department and press:



DEPT. PRICE 2

- Assign the second price for the department and press:



VAT CODE 1

1

- this option is activated or deactivated by pressing

CASH

VAT CODE 2
3

- this option can also be modified and the changes confirmed by pressing:

CASH

SINGLE ENTRY
YES

- this option is activated or deactivated by pressing

SUBTL

8.1.3 Changing department prices

The Department Prices are programmed following the same procedure as for the DEPARTMENTS, i.e., through the PROGRAMMING option from the FUNCTIONS menu:

7 FUNCTION

2 CASH

DEPARTMENT CODE
1

- Type in the DEPARTMENT you wish to customize or modify, for example "1". To continue programming press:

CASH

DEPARTMENT PRICE 1

- Assign the first price for the department and press:

CASH

DEPARTMENT PRICE 2

- Assign the second price for the department and press:

CASH

8.1.4 PLU Archive

The PLU archive can be programmed following the same procedure as for the DEPARTMENTS, i.e., accessing the PROGRAMMING option from the FUNCTIONS MENU:

7 FUNCTION

3 CASH

PLU CODE
1

- to confirm, press:

CASH

PLU CODE:
1

- when the **CASH** key is pressed, program the PLU description (shown on the display) or insert the PLU number, then press CASH. To go on to another programming option, follow the instructions given in the previous section, using the ALPHANUMERIC keyboard.

CASH

DESCRIPTION
SALAD

- use the alphanumeric keyboard to enter the description and confirm:

CASH

PRICE
1500

- the price may be assigned to the PLU, **even if negative** (if preceded by a minus sign) – type in the value and press:

CASH

DEPARTMENT
2

- assign the department (if the department number is between 1 and 20, the PLU is assigned to one of the departments with VAT code 1, if between 21 and 40 it is assigned to a department with VAT code 2) and press:

CASH

SINGLE ENTRY
YES

- to activate or deactivate, use:

SUBTL

- continue to program the other PLUs.

8.1.5 Changing PLU prices

It is possible to change PLU prices without scrolling through the entire archive.

The sequence is :

7 FUNCTION

4 CASH

PLU CODE
1

enter the new code and press:

CASH

Enter the new price and press:

CASH

8.1.6 Client Archive

To program this archive, enter the **PROGRAMMING** option under the **FUNCTIONS MENU**, using the following sequence:

7 FUNCTION

5 FUNCTION

Display

CLIENT CODE
1

- you may either confirm the first client by pressing the CASH key, or change the client number and press:

CASH

CLIENT NAME
ROSSI

- You may now insert the client description
- To confirm press :

CASH

ADDRESS

- follow the instructions given for client name
- To confirm, press :

CASH

F.C./VAT number

- enter the VAT or fiscal code number
- To confirm, press :

CASH

DEF. INV. VAT #
2

- enter the VAT number
- To confirm, press :

CASH

BALANCE?

- enter the client's balance (amount due) and press **CASH**

NOTE

Each line of descriptive information (company name, address, etc.) may contain up to 24 characters.

8.1.7 User Archive

This archive is used to store a user name and its respective gross total.
To directly access this program, proceed as follows:



- the display will read:

USER CODE:
1

- once the desired user (which can be modified or updated) has been selected, press :

CASH

8.1.8 Corporate rate/voucher archive

Up to 30 different corporate rate accounts can be archived.

Two lines of 24 characters each (total 24 characters) are available for each of these 30 account names.

For direct programming access, use the following sequence:



- Display:

VOUCHER CODE:
1

- the display will read:

DESCRIPTION
TICKET RESTAURANT

- then to confirm press to :

CASH

- Display:

SOCIETY
1

- Insert company's code and press:

CASH

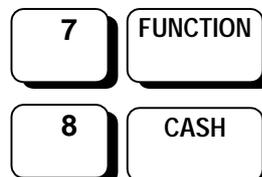
- Display:

PRICE
0

- Insert ticket's price and confirm with "TOTAL" key.

8.1.9 Modifier factor archive

As for all archives, to customize any individual option, first enter the **PROGRAMMING** function as follows:



**ITEM
DISCOUNT**

When **CASH** is pressed, the following will appear on the display:

**ITEM DISCOUNT
DESCRIPTION**

Insert the new description or confirm by pressing:

CASH

- the discount amount will be displayed (e.g., 25%). To confirm, press CASH, or enter the new value from the keyboard and confirm by pressing:

CASH

**% SURCHARGE
29**

- as with the discount rate above, enter the new value or confirm the existing one by pressing CASH, to pass to the next one, press **SUBTOTAL** and repeat the programming procedure, and to exit, press:

CLIENT
CODE

8.1.10 VAT rate archive

To access this function, use the following sequence:

7 FUNCTION
9 CASH

On the screen will appear the first VAT rate description

**VAT CODE DESCRIPTION
VAT CODE EXEMPT**

- insert the description using the numeric keyboard and to confirm, press :

CASH

**% VAT RATE 1
9.00**

- press CASH to confirm, or enter the new rate and press

CASH

8.1.11 Date change

To change the date, press:

7 FUNCTION

1 0 CASH

- the display will read:

**DATE [GGMMAA]
230498**

- to change the date, simply enter the new one followed by:

CASH

8.1.12 Time change

The time change procedure is like that of the date change, but with the following sequence:

7 FUNCTION
1 1 CASH

Display

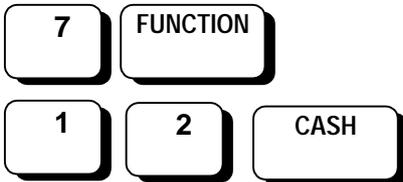
**TIME [HHMM]
1430**

- to change the set time, key in the new time and press:

CASH

8.1.13 Chagin password

The last option allows the password to be changed (not mandatory). To access this function, press:



Display

PASSWORD

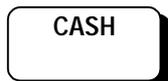
- the password may utilize any key on the keyboard except the CASH key and have a minimum of 2 characters and a maximum of 12
- enter the password (when supplied by Custom it is DTK53) and press:



- the display will read:

**PROGRAMMING
PROGRESSIVE RESET**

Press



To confirm

Or SUBTL to move to the next item.

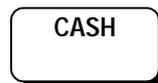
This function zero resets the progressive totalizers.

- A number of functions can be selected, when "PASSWORD CHANGE" appears press **CASH**.
- The terminal will prompt the confirmation of the new function which can be selected using the **SUBTOTAL** key; if there are no further changes to be made, press **CASH**.

In this section the terminal message archive can also be modified.

Using the **SUBTOTAL** or **USER CODE<** and **CORP. RATE CODE>** keys, scroll through the OPTIONS section and, once the MESSAGES option has been reached

- Press:



- the display will read:

**PROGRAMMING
MESSAGES**

- The first message will appear on the display; confirm by pressing CASH or scroll through using **SUBTOTAL**.
- Once the description has been inserted, confirm by pressing:



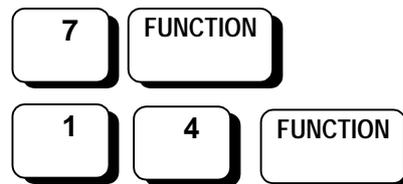
- to exit press:



8.1.14 Programming of the voucher's companies

It's possible to manage up to 10 companies for the voucher's management, to these companies are addressed the different agreements to the issue of the recording invoice.

Programming's sequence is, as follows:



Display:

**SOCIETY CODE
1**

1. Put the company's number and press the key "**CASH**"
2. Display shows the demand to put the name

**SOCIETY
SOCIETY XX**

3. Make us of alphabetical's keys for the insertion and confirm with "CASH"

LOCATION

4. Put the data and confirm with "CASH"

V.A.T.

5. Put the data and confirm with "CASH". In order to program another company repeat from the number 2

8.1.15 Options archive

Use the following sequence to directly access the OPTIONS function:



PROGRAMMING PRINT HEADING

- Use the **CASH** key to confirm entries and the **SUBTL** key to scroll within the **OPTIONS** sector.

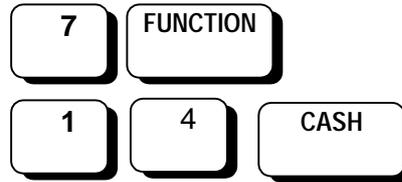
PRINT HEADING	Automatically prints out the user heading information entered under the messages archive. The terminal default setting considers this option active, but this can be altered using the SUBTL key.
Confirm by pressing CASH	
RECEIPT FORM LENGTH	Used to define the length of the receipt form; expressed in millimeters.
Confirm by pressing CASH	
HEADING LENGTH	Same as above, but for length of the space occupied by the heading
Confirm by pressing CASH	
ENTRY LENGTH	Insert the length of the entry space, in mm.
Confirm by pressing CASH	
CLIENT LENGTH	Length of the space occupied by client address, in mm.
Confirm by pressing CASH	
ALIGNMENT	Insert the distance from the

MARKER DISTANCE	top of the document to the black alignment marker, in mm.
Confirm by pressing CASH	
ROUNDING OFF FACTOR	Defines the rounding off factor of the sum to 1, 5, 10, 50 or 100 lire, based on a percentage calculation.
Confirm by pressing CASH	
PRINT DATE/ TIME ON DOCUMENT	Activates or disactivates the printing of the time on the receipt/invoice; default setting is active.
Confirm by pressing CASH	
DEFAULT DOCUMENT	Used to activate the default document type (receipt or invoice) for each transaction, use SUBTL key to select type.
Confirm by pressing CASH	
DOUBLE DESCRIPTION	Used to activate the department option of double price/ description (if departments programmed)
Confirm by pressing CASH	
MACHINE NUMBER	Used to enter a terminal I.D. number (1 – 999)
Confirm by pressing CASH	
DUPLICATE ENABLE	Used to print a duplicate of the last document printed (receipt or invoice).
Confirm by pressing CASH	
HEADING	Used to insert heading (max. 8 lines)
Confirm by pressing CASH	
DTK53 SERIAL 2	Selects the type of peripheral device connected (display or PC)
Confirm by pressing CASH	
KEY BEEP	Used to activate or deactivate acoustical signal when key is pressed; error signal always active
Confirm by pressing CASH	
USER FORCE	If activated, prompts to insert user I.D. before each transaction
Confirm by pressing CASH	
PRINT DENSITY	Used to adjust print darkness
Select using right or left arrow keys and confirm by pressing CASH	
MESSAGES	Used to customize messages
Confirm by pressing CASH	
DECIMAL PRICES	Used to program the decimal point in prices (0 or 2). If decimals are set, the 000 key becomes 00
Confirm by pressing CASH	
NUMER OF	Used to select between

COPIES	printing one copy (non-fiscal receipt) or two copies (receipt or invoice)
Confirm by pressing CASH	
AUTOMATIC ALIGNMENT	Used to activate/ deactivate alignment marker search
Confirm by pressing CASH	
DEFERRED INVOICE ENABLE	Enables issuing of deferred invoices
Confirm by pressing CASH	
OPTIONAL PRINTOUT	For foreign markets, if the pre-receipt printout has been suspended, when the Total key is pressed it is generated.
Use the CASH key to confirm.	
CHANGE DUE DISPLAY	If activated, change due amount appears on display.
Use the CASH key to confirm.	
DEPT. MULTIPLE	If active, for repeated sales on the same department, the quantity is printed next to the description; otherwise, a line is printed for each entry.
Use the CASH key to confirm.	
BALANCE DISPLAY	If active, the balance will always be displayed at the close of a Credit transaction.
Use the CASH key to confirm.	
FLOWING MESSAGE	Display this message when the terminal is in "READY" after 10

8.1.16 EURO Archive

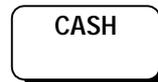
Use the following sequence to directly access the OPTIONS function:



Display

**1 EURO = (LIRE)
1950,000**

Enter the exchange rate or confirm the rate currently entered, then
Press :



- the display will read:

**CURRENCY
LIRE**

Confirm or change the main currency using the **SUBTL**, then confirm by pressing **TOTAL**.

Use the drawing as a reference for the various lengths of items on the receipt.
Measurements are given in millimeters (mm)

CUSTOM
 APPLIED ELECTRONIC TECHNOLOGY
 CUSTOM ENGINEERING srl
 Via Berettine 2/b - 43010 Fontevivo
 PARMA - ITALY
 Tel. + 39-521-610700 - Fax + 39-521-610701

DESCR., QUANT., PREZZI DEI BENI E DEI SERVIZI
 23-04-98
FATTURA 5

2	COPERTO	0	A
2	PRIMO PIATTO	20000	A
2	SECONDO PIATTO	28000	A
2	CONTORNO	10000	A
2	DOLCE	10000	A
2	FRUTTA	10000	A
2	LIQUORE	10000	A
1	CAFFE	1500	A
1	BIBITA	5000	D
1	ACQUA	2000	D
1	VINO	10000	D
TOTALE		106500	

ALIQ. IMPONIBILE IVA
 A=9 82108 7392
 D=20000
 INT. EST. / COD. FISC. CLIENTE 14165 2835

BIANCHI S.r.l.
 V. Bianchi, 1
 C.F./P.IVA : 98765432101

CORRISPETTIVO I.V.A. INCLUSA PAGATO
RICEVUTA FISCALE - FATTURA (Ricevuta Fiscale)
 D.M. 30/3/92 - Art. 12, comma 6 - Legge 30/12/91 Art.413

BRF /97
 AUT. MIN. N.360954 DEL 31/05/1979 - MECCANOGRAFICA S.p.A.
 Via Magli 12 - ANZOLA EMILIA (BO) - Partita IVA 00501131205

VALIDA PER IL CLIENTE AI SENSI DELLA LEGGE 30/12/91
 NON VALIDA

9. ERROR LIST

On the terminal display will appear **ERROR** followed by a code number and description:
Display example:

ERROR 01
DATA ERROR

Display Code	Description	
Error 01	Data error	Incorrect data entry
Error 02	Clock fault	Clock error
Error 03	Time limit	Transaction time exceeded
Error 04	Invalid function	Invalid function
Error 05	Invalid PLU	Article code not found
Error 06	Time limit	Transaction time exceeded
Error 07	Insert card	Insert card
Error 08	Negative total	Negative value total
Error 09	*Data lost*	Data error
Error 10	Printer fault	Terminal error
Error 11	No paper	Paper roll finished

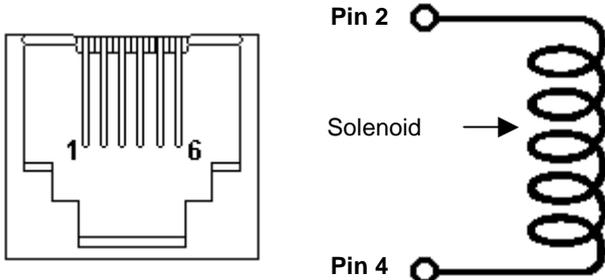
Error 12	print head error	Print head open
Error 13	connection fault	Connection error
Error 14	data error	Data not compatible
Error 15	reset to zero	Data overflow
Error 16	PLU error	PLU does not exist
Error 17	close document	Memory full
Error 18	cust. error	Client out of range
Error 19	invalid cust.	Client not programmed
Error 20	invalid corp. rate	Corporate rate not programmed
Error 21	password error	Password error
Error 22	invalid user	Selected user does not exist
Error 23	bill memory full	Full receipt buffer; it is not possible to add other
Error 24	imp. to eliminate	Try to eliminate a non-existent receipt into client buffer
Error 25	No convention	There aren't stored ticket in society buffer.

10. CONNECTIONS

10.1 Till connection

As has been mentioned, the terminal controls a till which is connected using a 6-way, telephone-type UK connector plug.

Till connector



Till extraction activation signal

The solenoid must be connected to till pins 2 and 4.

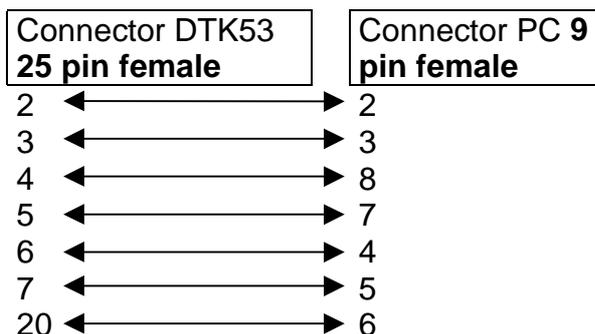
Warning: in order to avoid current overload, the till opening solenoid resistance must be 24Ω or higher.

10.2 Keyboard connection

This connection is used to communicate between the DTK53 and the PC for all present and future functions developed for the terminal (loading of the Logo, software updates, customization, etc.).

To activate this communication, the DTK53 serial 2 must be set on PC.

The cable must be prepared as follows:



10.3 Connecting the DTK53 Keyboard / Epson TM-U295 Slip-Printer

DTK 53
25 pin female

TMP 295
25 pin male

Pin	Signal	Pin
2	TXD	3
3	RXD	2
4	CTS	5
5	RTS	4
6	DTR	20
7	GND	7
20	DSR	6

10.4 Connecting Pass Trou Customer Display Slip Printer

Customer Display
9 pin female

TMP-295
25 pin male

Signal	Pin	Pin	Signal
RXD	2	2	TXD
TXD	3	3	RXD
GND	5	7	GND
DSR	6	20	DTR
CTS	8	4	RTS

10.5 Connecting Pass Trou Customer Display DPT 282RF

Customer Display
9 pin female

DPT282RF
9 pin male

Signal	Pin	Pin	Signal
RXD	2	2	TXD
TXD	3	3	RXD
GND	5	5	GND
DSR	6	6	DTR
CTS	8	8	RTS

10.6 Connecting the DTK53 Keyboard / Custom DPT282RF Receipt-Invoice Printer

DTK 53
25 pin female

DPT-282RF
9 pin male

Pin	Signal	Pin
2	TXD	3
3	RXD	2
7	GND	5

11. USING THE DTK53 WITH REMOTE PRINTERS

11.1 TMP-U295 Slip Printer

The DTK53 desk terminal keyboard permits the (optional) use of an EPSON TMP-U295S Slip Printer to print Receipts and Fiscal Invoices on plain chemical paper.

This option permits the use of traditional manifold forms since the Slip Printer is an impact printer that prints on ordinary paper.

The DTK53 printer thus becomes the utility printer for issuing non-fiscal receipts and reports.

It is equipped with a buffer that holds approximately the last 15 receipts issued, which permits, for example, the printing of a pre-receipt (if the ceiling of 15 receipts has not been exceeded) which can later be recalled to print the fiscal receipt or invoice, changing, if desired, the type of payment.

Recalling the non-fiscal receipt, it is also possible to divide up the bill (mathematical division with printed receipt for each person in a party).

This has made it necessary to assign certain functions to the DKT menu, which are as follows:

- ◆ **Funcitons menù :**
- 1. Pre- receipt select (menu 0)
- 2. Pre-receipt recall select

CODE	FUNCTION
0	Print pre-receipt
1	Print receipt
2	Print invoice
3	Withdrawals
4	Imprest fund
5	Read
6	Zero reset
7	Programming
8	Deferred invoicing
9	Pre-receipt recall
10	Change p-receipt #
11	Change receipt #
12	Change invoice #

- ◆ **Options menù:**
- 1. Addition in serial 2 selection
EXTERNAL PRINTER
- 2. Addition on default document menu
pre-receipt
- 3. Addition for Slip heading length
(mm)
- 4. Addition for Slip entry length
(mm)

Note:
*The EPSON TMP-295S Slip Printer must be set to the XON.XOFF configuration, this means dip-switch 3 must be **ON***

11.2 Slip use

As stated above, receipts and invoices may be printed on the TMP-U295S Slip Printer, which may be selected at three different times:

- ◆ Before entering the department
- ◆ Before closing the transaction
- ◆ Recalling a printed pre-receipt

This also depends, of course, on the type of default document selected (pre-receipt, fiscal receipt or invoice).

11.3 Departments

It is possible to select the printing of the receipt or invoice by choosing 1 (receipt) or 2 (invoice) and, pressing the FUNCTION key, confirm or change the sequential number of the document, then enter the departments or PLUs and close the sale.

As was mentioned above, if paper was positioned in the Slip Printer, this will be printed according to the pre-set heading margin.

Otherwise, the following will appear on the display:

**POSITION
FORM**

When the form is inserted, it automatically aligns itself and prints out.

11.4 Receipt or invoice before closing the transaction

In this case, first enter the departments or PLUs and, before closing the transaction, select 1 (receipt) or 2 (invoice) and press

FUNCTION, confirm or change the sequential number of the document, then press the payment key.

If paper was positioned in the Slip Printer, this will be printed according to the pre-set heading margin.

Otherwise, the following will appear on the display:

**POSITION
FORM**

When the form is inserted, it automatically aligns itself and prints out.

11.5 Custom DPT282RF Printer

The DTK53 desk terminal keyboard permits the (optional) use of a Custom DPT 282/RF Printer to print Receipts and Fiscal Invoices on thermal paper.

This permits receipts/invoices to be generated quickly and noiselessly.

As mentioned in the previous chapter, the DTK53 printer becomes the service printer for the printing out of pre-receipts and reports.

There is a buffer which contains approximately the last 15 receipts issued which permits, for example, the printing of a pre-receipt (if the 15-receipt limit has not been exceeded) that can be subsequently recalled to issue the receipt or invoice even modifying payment mode, if required.

When recalling the pre-receipt it is also possible to sub-divide the final receipt (mathematically divide the total and generate a receipt for each person).

The following functions must be selected from the DTK menu:

- when the **EXTERNAL PRINTER** option appears, select "**DPT 282 RF**";
- the terminal will ask if you wish to transfer the logo stored on the main printer, select **YES** or **NO**.

11.6 Receipt or invoice by recalling a pre-receipt

If Function "0" was used to print a non-fiscal receipt, or if the latter is the pre-set default document, the last 15 pre-receipts (depending on length) can be recalled and converted into receipts or invoices, changing, if required, the payment method.

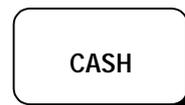
The sequence is as follows:



On the display will appear:

**FUNCTION MENU
RECEIPT RECALL**

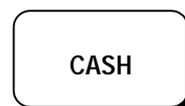
Press



On the display will appear a prompt to insert the number of the pre-receipt to be recalled.

PRE-RECEIPT #

Enter and confirm by pressing:



Or the following sequence:



On the display will appear a prompt to insert the number of the pre-receipt to be recalled.

PRE-RECEIPT #

Enter and confirm by pressing:



The terminal is now ready to accept the payment type, which may be:

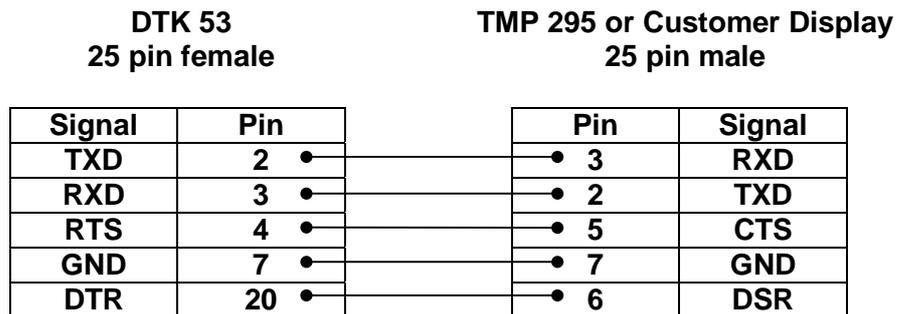
- ◆ Cash
- ◆ Check
- ◆ Credit card
- ◆ Credit
- ◆ Client credit account

For keying sequence, please refer to the applicable sections in previous chapters.

This operation corrects, of course, all counters so that at transaction close all totalizers have been updated.

12. APPENDIX A

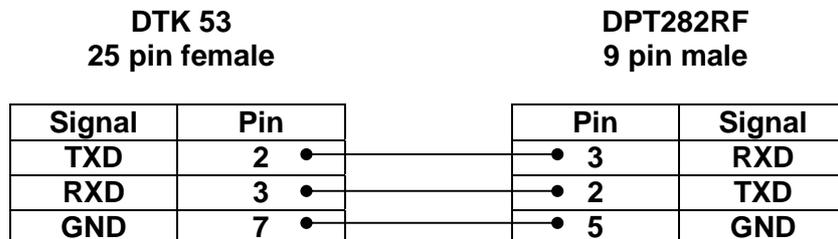
12.1 CONNECTION CABLE DTK53 →TMP 295 Epson or Customer Display



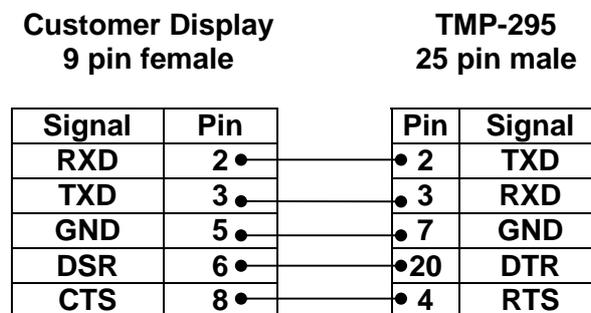
DIP SWITCH

*The EPSON TMP-295S Slip Printer must be set to the XON.XOFF configuration, this means dip-switch 3 must be **ON***

12.2 CONNECTION DTK53 Keyboard → Custom DPT282RF Receipt / Invoices Printer



12.3 Connection Pass-Trou Customer Display CD5220 Slip Printer



12.4 Connection Pass-Trou Customer Display DPT 282RF

Customer Display
9 pin female

DPT282RF
9 pin male

Signal	Pin	Pin	Signal
RXD	2 •	• 2	TXD
TXD	3 •	• 3	RXD
GND	5 •	• 5	GND
DSR	6 •	• 6	DTR
CTS	8 •	• 8	RTS

13. USE DTK53 TICKETS EMITTER VERSION (STUB)

There is a special model of the DTK53 called "STUB" which is particularly suited for use at community events, social clubs, etc. where individual receipts must be issued for the various product distribution points (e.g., sandwich bar, drinks bar, etc.).

The Stub fulfils this function in that each time a product is rung up by department, a pre-cut stub is generated and, at the end of the transaction, the receipt will include a list of all items paid for.

Receipt example:

24-08-99 12:40 SCONTRINO 926		
1 PANINO PROSCIUTTO	5.000	1°Ticket for Sandwich Stand
RISTORANTE ' IL SOLE ' VIA DEL LIDO 144 MARINA DI PONENTE		
24-08-99 12:40 SCONTRINO 926		
1 COCA COLA	3.000	2°Ticket for Drink Stand
RISTORANTE ' IL SOLE ' VIA DEL LIDO 144 MARINA DI PONENTE		
RISTORANTE ' IL SOLE ' VIA DEL LIDO 144 MARINA DI PONENTE		
24-08-97 12:40		
SCONTRINO 926		Client summary receipt
1 PANINO PROSCIUTTO	5.000	
1 COCA COLA	3.000	
TOTALE	8.000	
EURO	4.13	

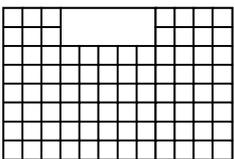
14. APPENDIX B 64-KEY SUPPLEMENTARY KEYBOARD AND OTHER SUPPLEMENTARY KEYBOARD LAYOUTS

As previously stated, the keyboard may be expanded to allow the PLUs to be placed directly on the keys. There are various configurations utilizing four types of keyboards:

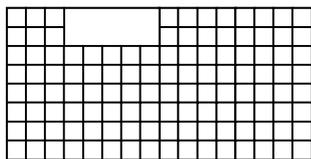
1. Standard + 32 supplementary keys
2. Standard + 64 supplementary keys
3. Standard + 64 keys + 32 supplementary keys
4. Standard + 64 keys + 64 supplementary keys

Given below is the PLU layout, which, as successively larger keyboards are added, will naturally increase in terms of number of keys, while respecting this basic arrangement.

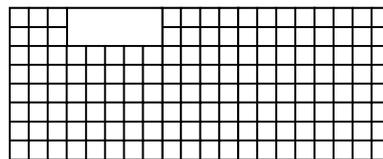
1	9	17	25	33	41	49	57
2	10	18	26	34	42	50	58
3	11	19	27	35	43	51	59
4	12	20	28	36	44	52	60
5	13	21	29	37	45	53	61
6	14	22	30	38	46	54	62
7	15	23	31	39	47	55	63
8	16	24	32	40	48	56	64



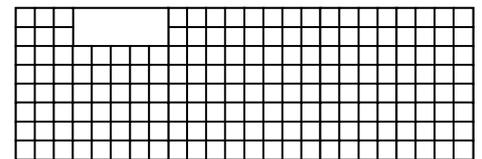
Standard+32



Standard + 64



Standard + 64 + 32



Standard + 64 + 64

15. APPENDIX C TROUBLE-SHOOTING

15.1 Trouble-shooting *PERIPHERAL DEVICES*

<i>Problem</i>	<i>Solution</i>
15.1.1 Custom display connected, but not functioning	<ol style="list-style-type: none">1. Check that switches 7 and 8 are ON2. Check that there is power3. Check that the DTK53 serial 2 setting is on "Customer display" or, if a Slip Printer is also connected, on "DISPLAY+SLIP PRN"4. Check customer keyboard connection
15.1.2 Slip Printer connected, but not functioning	<ol style="list-style-type: none">1. Check that the Slip Printer switch 3 is ON2. Check that there is power3. Check all connecting cables4. Check that the DTK53 serial 2 setting is on "Slip Printer" or, if a Customer display is also connected, on "DISPLAY+SLIP PRN"5. Check the connection between keyboard and slip printer, or between display and slip printer (if both peripherals are connected, the correct sequence is <i>tastiera >display >slip</i>)
15.1.3 When a plain paper roll is inserted, at transaction close it feeds a very long blank strip before printing both the first and second copies	When a plain paper roll, or receipts without alignment "marks" are used, " AUTOMATIC ALIGNMENT " under OPTIONS must be deactivated, or the terminal will continue to search for the marker.
15.1.4 The client summary invoice will not print out	<ol style="list-style-type: none">1. This function has not be activated under OPTIONS2. The sale was not closed by first entering the client and then closing as a credit
15.1.5 Does not recall the pre-receipt (applicable only with slip printer connected)	<ol style="list-style-type: none">1. The slip printer has not been set
15.1.6 I programmed the 10-line heading, but it doesn't print	<ul style="list-style-type: none">□ Check that the programming of the heading length in OPTIONS allows for 10 lines. If not, increase the space
15.1.7 I pressed the client code key by mistake and now I can't cancel it on the display	<ul style="list-style-type: none">□ Press the client code key a second time and READY will appear on the display
15.1.8 I activated the Euro as a currency, but when I return to lire, I still get decimal points	<ul style="list-style-type: none">□ Put a 0 in the # decimals function under OPTIONS

Custom produces products and solutions for the OEM sector, including panel and rack printers, ticket and electronic card emitters.

Custom offers a wide array of printers and integrated systems for the POS sector, all products which stand out for their design, performance and user-friendly philosophy.

Custom is the national distributor for the OEM division of EPSON®. We offer printing devices, printers and customer displays.

Custom designs and manufacturers “Custom made” products to customer specifications.

Custom can turn your idea into a product. With our trained personnel, years of experience and modern business approach, together we can build the future.

Custom, the partner you have been waiting for.



The purpose of this manual is to provide the information required to make efficient use of the software and communications protocol utilized for this printer. This product is subject to constant checking and revision and Custom Engineering reserves the right to make changes in the information contained in this manual without prior notice.