OPERATING MANUAL

TELEMATIC PRINTER

Contents

INTRODUCTION

The instructions in this manual are intended for users and describe the main methods of use of the Telematic Fiscal Printer. **For further information on more technical aspects, contact an Authorized Technical Support Centre**.

1   GENERAL WARNINGS

The Manufacturer reserves the right to make modifications to the technical characteristics of the equipment without notice. The functions and programming described refer to products in their standard configuration. Any additional functions will be described in special addenda. The technical manuals of the products are available for Authorized Technical Assistance Centres only. This manual contains the indications for correct use of the Telematic Fiscal Printer and its programming, therefore careful reading is recommended before carrying out any operation.

The Telematic Fiscal Printer must be positioned stably on a horizontal plane, verifying that the customer visor is perfectly visible. Ordinary maintenance and any necessary repair of the Telematic Fiscal Printer must be carried out exclusively by an Authorized Technical Support Centre. The Manufacturer declines all liability in case of any intervention performed by unauthorized technicians or of any use of non-original spare parts.

SAFETY PRECAUTIONS

The appliance must be connected to an electrical system with a grounding system, circuit breaker and easily accessible power socket.

Use only the supplied power adaptor

During testing and use of the printer, make sure that personal items such as ties, scarves, necklaces, bracelets or similar do not come into contact or become entangled with moving parts. During thunderstorms do not connect or disconnect the cables, perform installations or carry out maintenance. Never access the internal parts of the printer, even in case of fault, or remove or tamper with the fiscal seal; such operations are reserved **exclusively** for the authorized technician of the Authorized Technical Support Centre.

Note that the operating temperature range is: -10 to +45°C.

CE REGULATIONS

This is a Class A appliance. In residential environments, it may cause radio interference.

In such cases, the user may be required to take adequate measures.

In order to guarantee proper immunity of the appliance to radio interference, a ferrite bead (Code MPI022) should be installed on all external lines connected to the telematic printer's communication ports.

WEEE REGULATIONS

The appliance may not be treated as urban waste and must be disposed of separately at the end of its life. Ensuring that the product is properly disposed of correctly mitigates potential negative consequences for both the environment and human health, consequences that might otherwise be caused by improper product disposal subject to applicable sanctions. For further detailed information on how to recycle the product, contact the relevant local administration or the distributor from which the product was purchased.

2 FISCAL FUNCTIONALITY

The Telematic Fiscal Printer described in this manual is approved as a Telematic Register by Italian Revenue Agency according to Provision No. 2017/162958 of 21/08/2017, and therefore complies with the requirements of Law No. 18 of 26th January 1983, and of subsequent implementing decrees as well as the Provisions of 4th March 2002, 28th July 2003, and Paragraph 1.2 of the Provision of 28th October 2016.

2.1 FISCAL LOG (if used in 'Fiscal Register' mode)

In compliance with applicable legal provisions, the Telematic Fiscal Printer is supplied with a printed Fiscal Log, which must be preserved with care as it forms an integral part of the appliance. The data that must be recorded in the Fiscal Log include:

By the Authorized Technician: Installation dates
Periodic verification interventions
Extraordinary maintenance interventions

By the user: Date and time of technical intervention request calls

In case of theft or loss of the Fiscal Log, a report must be sent to the competent authorities and a duplicate must be requested from the manufacturer.

2.2 ELECTRONIC LOG (if used in 'Telematic Register' mode)

If destined for use in the 'Telematic Register' operating mode, the paper log is replaced by a automatically generated electronic log with information provided by the Telematic Register or registered by the operator via the Revenue Agency's website.

All operations on the appliance of activation, start, periodic verification, deactivation, retirement, etc. are electronically communicated by the Telematic Register to the Revenue Agency system, or, in case of its malfunction, must be submitted by the operator (or delegate) via the Revenue Agency's web portal, thus determining a dynamic and automatic registration and updating of the appliance in conformity with regulations and its operation. The data acquired electronically by the Revenue Agency is made available to the operator and owner of the appliance (or delegate) through the dedicated area on the Revenue Agency's website and constitutes the electronic log of the Register.

The Telematic Register is subjected to a biennial verification which must be carried out by an **Authorized Technical Support Centre**.

When the qualified technician performs the periodic verification, the outcome must be submitted telematically to the electronic log.

Notice of the verification will be memorized by the Telematic Register and automatically communicated to the Revenue Agency's server on the subsequent reset (transmission of the .xml file). The technician can then perform a reset (with any sums set to zero) and transmission of .xml file in order to check that the notice has been sent.

For further information on more technical aspects, contact an Authorized Technical Support Centre.

2.3 VERIFICATION TOOLS OF THE OPERATOR

On the Revenue Agency's website, at any time, the operator may consult the data relating to his/her Telematic Register, including in particular:

- Data of the Manufacturer: company name or name and surname, fiscal domicile and Fiscal Code/VAT No.;
- Data of the Telematic Register: make, model, serial number, details of its certification;
- Data of the user: company name or name and surname, fiscal domicile and Fiscal Code/VAT No.;
- Data of previous users: company name or name and surname, Fiscal Code/VAT No.;
- Date of activation;
- Date of the start of its use;
- Interventions of the qualified technician: Fiscal Code of the technician, VAT No. of the technician's office, the date of the intervention, the type of intervention;
- List of the changes in status of the appliance.

2.4 FISCAL SEAL

The following figure shows the lodging dedicated to the fiscal seal. The fiscal seal may only be applied by a qualified technician in possession of specific authorization issued by the Revenue Agency.

2.5 FISCAL MEMORY (OR 'SUMMARY PERMANENT MEMORY')

The appliance is equipped with a fiscal memory (or 'summary' permanent memory) in which sales data are stored upon daily closing. This memory also contains control data for the Electronic Funds Journal with which the appliance is equipped.

Approximately 100 days before the fiscal memory (or 'summary permanent memory') is exhausted, the appliance will show on the display, at each fiscal reset, the following message **RESET. AVAILB. XX**, indicating the number of resets still available.

The message *** F.M. EXHAUSTD *** indicates that fiscal memory (or 'summary permanent memory') has been exhausted.

On first indication of the exhaustion of fiscal memory (or permanent "summary" memory), contact an **Authorized Technical Support Centre**.

2.6 'SUMMARY PERMANENT MEMORY' NEAR EXHAUSTION

The near exhaustion of summary and detail permanent memory capacity (at no more than 90% of capacity) is opportunely reported to the user of the Telematic Register.

Upon exhaustion of the summary and detail permanent memory, the Telematic Register interrupts the execution of functions with fiscal value, but allows the reading and transfer of the contents of the memory in .xml format.

Once exhausted or replaced, the summary and detail permanent memory must be conserved for the period established by Article 2220 of the Italian Civil Code.

Obligations in case of memory exhaustion or failure

In either case, the operator must:
1. Promptly request the intervention of a qualified technician to carry out the necessary repair;
2. Report the fault to the Revenue Agency through the online procedure on the Revenue Agency's website;
3. Record in the appropriate log, also to be kept in electronic form, the sums of daily operations.

2.7 THERMAL PAPER FOR FISCAL RECEIPTS

The user must only use rolls of thermal paper specifically approved for Fiscal Registers, and must conserve copies its purchase documentation. The approved thermal paper, according to law (Prot. No. 450276 of 20/04/1990, as amended), must carry, on its reverse, at a maximum separation of 5cm and along the whole roll, the acronym of the manufacturer of the roll, the certification details, including the roll certificate number and the certificate expiry date, which must be within five years from the certification approval date. The certification details and expiry date must be specified in the following format:

- *Acronym (max. 5 characters) of the certifying body*

- *Certificate number followed by the year of issue*
- *Expiry date (mm/yy) preceded by the words APPROVAL EXPIRY.*

Use of rolls with a coloured band to signal the approaching end of the roll is recommended.

The daily closing receipt must be conserved in an opaque container of a material that will not damage the paper - specifically not Polyvinylchloride (PVC) - whose interior temperature and relative humidity do not exceed 35°C or 80% respectively. All contact with solvents, such as alcohol, is to be avoided.

The roll must have the following dimensions:

- **Width:** 80 mm
- **Max. external diameter:** 80 mm

3 INSTALLATION

The appliance must be placed on a stable surface away from sources of heat or electromagnetic radiation. Check that any connection cables to peripheral devices do not interfere with normal sales at the sales point or other electrical cables. The Telematic Fiscal Printer must be powered by a suitable mains adapter, with 230V AC, +10%, -15%, single-phase alternating current, at 50 Hz. Avoid connecting the machine to power lines that also supply other high current absorbing equipment (e.g. fridges and engines). Regular checking of the integrity of the power cable and of all cables connected to the appliance guarantees both the safety of the operator and the proper functioning of the system. Any equipment connected to the machine must be of a type approved by the manufacturer and connect by a qualified technician according to technical specifications available exclusively at Authorized Technical Support Centres.

In any case of non-fulfilment of the above requirements, all liability for the proper operation of the product or systems connected to it is expressly excluded.

Please note that installation of equipment enabled to issue fiscal receipts must be carried out by a qualified technician from an Authorized Technical Support Centre in possession of the appropriate identification card and punch for applying the fiscal seal, in order to protect the unit.

3.1 SWITCH ON / SWITCH OFF, TOUCH-SENSITIVE BUTTONS & STATUS LEDS

To switch on the appliance, press the touch-sensitive button marked with the symbol (highlighted in the following figure) for approximately 2 seconds. To switch off the appliance, press the same button again for approximately 2 seconds until the LED goes off.

The following touch-sensitive buttons are also present:

 : Power on/off

 : Advance paper

 : Cancel errors

and the following status LEDs:

 : Paper almost out

 : Generic error (e.g. paper out, head raised)

With the machine switched on, the touch-sensitive keys and plastic band on the front of the printer are illuminated.

3.2   CLEANING OF THE APPLIANCE

The Telematic Fiscal Printer does not require any particular maintenance. On a weekly basis, if the appliance's operating environment requires it, clean with a soft cloth. It is also possible to clean the displays using special products to repel dust accumulation.

The use of solvents or abrasive detergents is not recommended. Avoid spraying any product directly on the machine. If necessary, spray onto the cloth used for cleaning.

4 DESCRIPTION OF THE APPLIANCE
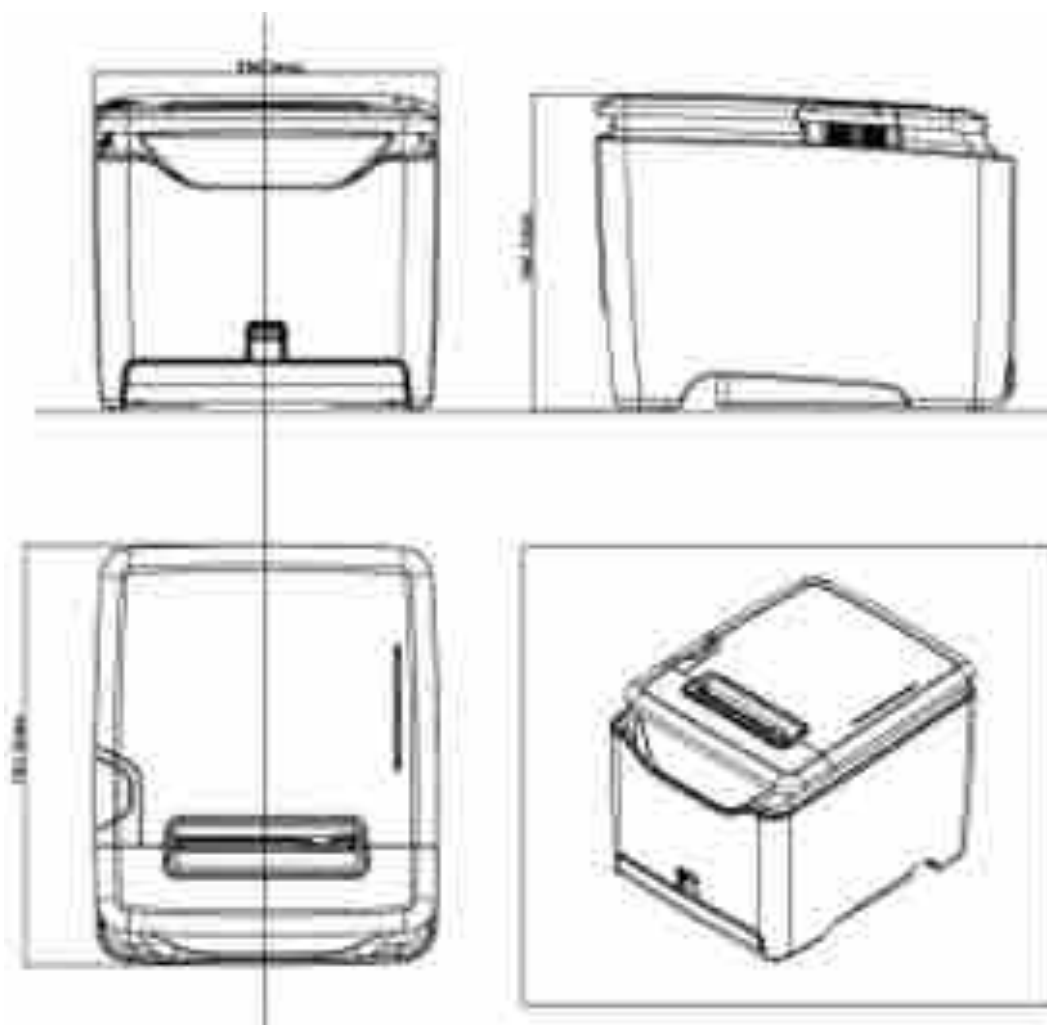
The Telematic Fiscal Printer is modular and consists, in addition to the 230V AC (-15%; + 10%) adapter for power supply to the whole system, 3 different electronic devices:

1) Central unit, containing the main electronic circuit board, fiscal memory (or 'summary permanent memory', if operating in Telematic Register mode), DGFE (Electronic Funds Journal Device) (or 'detail permanent memory', if operating in Telematic Register mode), and printer with automatic cutter;

2) Keypad with 28, 32 or 66 programmable buttons and integrated operator display of respectively 2 lines x 16 characters, 2 lines x 20 characters, and 2 lines x 20 characters;

3) Orientable, tilting customer display on a stand of 2 lines x 16 characters or 2 lines x 20 characters).

Both operator and customer displays are backlit LCDs.

4.1   PRINTER

The easy-loading printer allows the receipt paper roll to be easily replaced in a matter of seconds.
The maximum printable characters per line is 40.
The height of characters is 2.5 mm.

4.1.1 Paper almost out and paper out

The paper roll approved for printing fiscal receipts has a red band to indicate the approaching end of the paper roll. Replace the roll as soon as this red band appears.

Special sensors in the printer compartment monitor for almost total and total exhaustion of the paper, generating the following indications:

- Visual   ➔ The 'Paper Almost Out' error indicator light lights when the paper is about to run out.

- Acoustic ➔ An acoustic signal indicates the lack of paper.

- Visual   ➔ The error indicator LED lights when the paper has completely run out.

- Visual   ➔ The display shows:

> ERR. 22
> ERR. RECPT. PRINT

4.1.2 Paper roll replacement

The paper pressure roller is located directly under the printer cover, allowing replacement of the paper roll simply by placing the new roll in the compartment and closing the lid.

To replace the roll of paper:

- Open the printer cover by pressing on the release button.

- Remove the core of the old roll and any residual paper in the paper compartment.

- Place the new roll inside the paper compartment holding onto the start of the roll and making sure that it passes the cutter line.

- Close the printer cover until it clicks, making sure that the start of the roll sticks out.

4.1.3 Description of the fiscal sale receipt (if in 'Fiscal Register' mode)

Shown here, by way of example, is a generic sale receipt indicating the main fiscal information featured:

```
        COMPANY NAME

          ADDRESS

        VAT NUMBER


                         EURO
COFFEE                   0.85
PASTRY                   1.45
MINERAL WATER            0.52

SUBTOTAL                 2.82
TOTAL    €               2.82
CASH                    10.00

CHANGE                   7.10

#14    REG. 001   OP. 1
01-02-2018 12:10 FISC. RCPT. 208
      MF ZZIRR100001
```

Receipt header with sales point identification data

Product and price descriptions

Total in Euros
Change calculation

Date and time
Tax number

4.1.4 Description of the commercial sale or service document (if in 'Telematic Register' mode)

Shown here is an example of a commercial sale or service document:

```
          SETRONETWORK S.A.L.
            CASH REGISTERS
          VAT NO. 07535221217
          Via Assistenza 118
          80028 - POZZUOLI (NA)


          COMMERCIAL DOCUMENT
           of sale or service

Description          VAT  Price(€)
CONTACT LENSES         4%    15.00
EYEGLASSES            10%   100.00
SUNGLASSES            22%    50.00

TOTAL INCLUSIVE            165.00
OF VAT                     16.66


Cash payment               20.00
Electronic Payment        150.00
Change                      5.00
Amount paid               165.00

                01-12-2017  17:04
          DOCUMENT NO. 0003-0004
```

In comparison with the fiscal receipt, the commercial sale or service document also includes:

- The VAT rate for every sale line;
- The VAT total;
- The detail of the form of payment (cash, electronic, uncollected);
- The fiscal reset number (e.g. 0003) and the receipt number (e.g. 0004);
- The updated Telematic Register code (e.g. TR 2CMZP999891).

4.1.5 Description of the commercial document issued for cancellation (if in 'Telematic Register' mode)

Shown here is an example of a commercial document issued for a cancellation:

```
                DITRONETWORK S.R.L.
                  CASH REGISTERS
                VAT NO. 07535221217
                  Via Antilliana, 115
                80010 - PEZZOLI (NA)


                COMMERCIAL DOCUMENT
                issued for CANCELLATION

                 Reference document:
               0003-0006 del 01-12-2017


   Description              VAT  Price(€
   CONTACT LENSES            HB     55.00
   EYEGLASSES                DK    130.00
   SUNGLASSES                2K     50.00


   TOTAL INCLUSIVE                 185.00
   OF VAT                           18.00


   #2N      REG. 001 CF. 1

            01-12-2017 17:17
          DOCUMENT NO. 0003-0006

            MT 2CMZP999891
```

In comparison with the fiscal receipt, the commercial document also includes:

- The document to which the cancellation refers (fiscal reset number, receipt number and date);
- The VAT rate for every sale line;
- The VAT total;
- The fiscal reset number (e.g. 0003) and the receipt number (e.g. 0006);
- The updated Telematic Register code (e.g. TR 2CMZP999891).

4.1.6 Description of the commercial document issued for goods return (if in 'Telematic Register' mode)

Shown here is an example of a commercial document issued for a goods return:

In comparison with the fiscal receipt, the commercial document also includes:

- The document to which the goods return refers (fiscal reset number, receipt number and date);
- The VAT rate for every sale line;
- The VAT total;
- The fiscal reset number (e.g. 0003) and the receipt number (e.g. 0007);
- The updated Telematic Register code (e.g. TR 2CMZP999891).

4.2 AUTOMATIC CUTTER

The device automatically cuts the paper after printing the receipt. In case the cutter jams, the appliance displays:

```
ERR. 48
ERR. CUTTER
```

In response to this message, press the printer cover release button, remove the cause of the jam and press the C (Clear) button.

Failure to properly close the printer cover is indicated by the following error message:

```
ERR. 43
HEAD RAISED
```

4.3 ELECTRONIC FUNDS JOURNAL DEVICE (DGFE) or 'DETAIL PERMANENT MEMORY' (in 'Telematic Register' mode)

The device uses an Electronic Funds Journal Device (DGFE) (called a 'detail permanent memory' memory in Telematic Register mode) in compliance with Provision 2002/86360 of the Revenue Agency concerning the storage of fiscally relevant data.

During operation, the machine monitors data consistency with the identification data of the DGFE (or 'detail permanent memory'), which is also stored in the fiscal memory (also called 'summary permanent memory' in Telematic Register mode), and the availability of memory space for the storage of fiscal receipts.

4.3.1 Exhaustion and replacement of the DGFE (or 'detail permanent memory')

The administration section of the fiscal report shows the remaining memory percentage of the DGFE (or 'detail permanent memory').

The exhaustion of the DGFE (or 'detail permanent memory') is indicated on issuing the fiscal report, and 30 approximately resets before complete exhaustion, with the message 'DGFE NEAR EXHAUSTION'.

After printing the last available fiscal reset, the following message is issued:

'DGFE EXHAUSTED'.

In such case, to resume normal operation of the machine, replace the old DGFE and initialize the new one.

For the DGFE (or 'detail permanent memory') replacement procedure, contact an **Authorized Technical Support Centre**.

4.3.2 Initialization of the DGFE (or 'detail permanent memory')

For use of the appliance as a Fiscal Register, in addition to installation and fiscal registration by an **Authorized Technical Support Centre**, initialization of the DGFE (or 'detail permanent memory') is necessary. Initialization is required whenever a new DGFE (or 'detail permanent memory') is inserted into the appliance. It is recommended to always have a spare DGFE (or 'detail permanent memory') available, as operation of the Fiscal Register is inhibited when the memory has been exhausted or is absent. *The initialization procedure of the DGFE (or 'detail permanent memory') can only be performed if the appliance has already registered by the Authorized Technical Support Centre.*

The initialization procedure of a new DGFE (or 'detail permanent memory') is:

Activate the programming mode: **4** => **KEY**
Enter the sequence: **3153** => **Confirm**

> INITIALIZ. DGFE, CONFIRM?

Press **Confirm** to confirm the operation

After several seconds, the operator display shows:

> DGFE INITIALIZED

At the end of the initialization of the DGFE (or 'detail permanent memory'), an administration receipt is printed out containing information useful for archiving the DGFE (or 'detail permanent memory'), and **which must be indicated on its special label**.

```
        INITIALIZ. DGFE
   #01 004M 08-11-17   09:52
```
#01 = progressive number of the DGFE (or detail permanent memory')

08-11-17 = date of initialization of the DGFE (or detail permanent memory')

Example of a DGFE (or 'detail permanent memory') initialization receipt

> The user must conserve all used DGFEs for any fiscal checks.

4.3.3 Printing of the data contained in the DGFE (or 'detail permanent memory')

4.3.3.1 Printing of the documents stored in the DGFE (or 'detail permanent memory')

The procedure for stamping the documents stored in the DGFE (or 'detail permanent memory') by start and end date is:

Activate the programming mode: **4 => KEY**.
For printing between the start and end **receipt**: **160 => CONFIRM**.
For printing **TR verification outcomes**: **164 => CONFIRM**.
For printing only **invoices** printed by the internal printer: **163 => CONFIRM**.
For printing only **return reports: 162 => CONFIRM**.
The display shows the current date as the start date.
Press the button **CONFIRM** to confirm or set a new date in the format **ddmmyy** and then press the button **CONFIRM.**
The display shows the end date (the same as the start date):
Press the button **CONFIRM** to confirm or set a new date in the format **ddmmyy** and then press the button **CONFIRM**.

If the start date coincides with the end date, a more selective search can be made by setting the start and end document number as follows:

The display shows **0** as the start document number:
Set the start document number and press the button **CONFIRM**.
The display shows **0** as the end document number:
Set the end document number and press the button **CONFIRM**.
By confirming the number **0** all the fiscal documents of the selected date are reprinted.

Printing may be interrupted in any moment by pressing the button **C** (Clear).

4.4 KEYPAD, OPERATOR DISPLAY & CUSTOMER DISPLAY

The keypad is integrated with the operator display and consists of 28, 32 or 66 individual keys for sales functions, programming and report and reset consultations.

The following is a description of the functions of the 28-key keypad, also present in the 66-key keypad, also including: 17 unit keys, 3 payment form keys, 1 currency exchange key, 1 percentage mark-up key, 1 advance paper key, 1 operator key, 1 refund key, 1 goods return key, 1 discount total key, and 1 mark-up total key.

28-key keypad

32-key keypad

66-key keypad

The keypad can be configured for the different functional needs of the user. Contact an **Authorized Technical Support Centre** for such customization.

4.4.1 Main buttons

Numerical buttons: The buttons **1, 2, 3, 4, 5, 6, 7, 8, 9, 0, 00** and the **decimal point** allow the entering of amounts, quantities and function codes.

Special buttons: The buttons **TOTAL, SUBTOTAL** and **CREDIT** also allow access to programming of the appliance and reports. In the modes of reading, reset, programming and several recording functions, the following buttons assume other functions:

> **SUBTOTAL** => **SELECT**   (to select one of the items of the programming menu)
> **TOTAL** => **CONFIRM**   (to confirm the selection show on the operator display)
> **CREDIT** => **END**   (to end programming operations)

Button C (Clear): Corrects settings that have not yet generated print lines and error messages.

Key button: Used to set the five different operating modes of the machine:

◊ **OFF MODE (REGISTER CLOSED)**: machine inoperative. Activated when the machine in on by pressing the **KEY** button.

◊ **REC. MODE (RECORDING):** Activated by pressing button **1** followed by the **KEY** button. In this mode, it is possible to use all the functions of recording and sales.

◊ **READING MODE (KEY X)**: Activated by pressing button **2** followed by the **KEY** button. In this mode, it is possible to use all the report reading functions.

◊ **CLOSING MODE (KEY Z):** Activated by pressing button **3** followed by the **KEY** button. In this mode, it is possible to generate the fiscal report and all the other reset reports.

◊ **PROGRAMMING MODE (KEY P)**: Activated by pressing button **4** followed by the **KEY** button. In this mode, it is possible to access the programming functions.

4.4.2 Description of the functions associated with the buttons

The following table lists the buttons on the 32-key keypad and their functions:

FUNC.		- In recording mode and out of a sale transaction, alternatively displays the current date and time. - If preceded by a number and out of a sale transaction, performs the corresponding function.
UNT. 1 … UNT. 6		Activation of sales associated with units 1 to 6.
X		Multiplication button for entering quantities.
C		Clears error messages and numerical sequences displayed but not yet printed on the receipt.
%A		Discount percentage % on the unit or subtotal if preceded by pressing the SUBTOTAL button.
CREDIT / END		- Credit sale. - Exit from the programming menu.
CANCEL RCPT.		Cancels all the operations of the current receipt, resetting it to zero (the operation must be confirmed by the CONFIRM button).
MOVM.		Activates the cash movement menu.
.		Button for entering decimal points.
SUBTOTAL / SELECT		- Displays and prints the subtotal of the current receipt. - Activates the subsequent choices in the programming menu.
TOTAL / CONFIRM		- Payment in cash - Confirms the selected item in the programming menu

4.4.3 Functions not in the basic keypad configuration

Shown below are the functions of the machine and corresponding codes not associated with a button in the basic keypad configuration. For their programming and activation, contact an **Authorized Technical Support Centre**:

Brief description of the function	Activation code
Indirect Unit	24
Subtotal/Drawer Opening	69
Unit 1 ... 10	75…84
Returns report	180

4.4.4 Operator and Customer Displays

The appliance is equipped with two alphanumeric LCD backlit displays, each consisting of 2 lines of 20 characters or 2 lines of 16 characters, one inclinable and dedicated to the operator integrated in the upper part of the keypad module, and the other, for the Customer, on an external stand.

Maximum versatility

backlit display

adjustable length cable

orientable visor

'easy-clean' design

durable materials

screw fixing system

Adjustable length cable with internal cable winding.
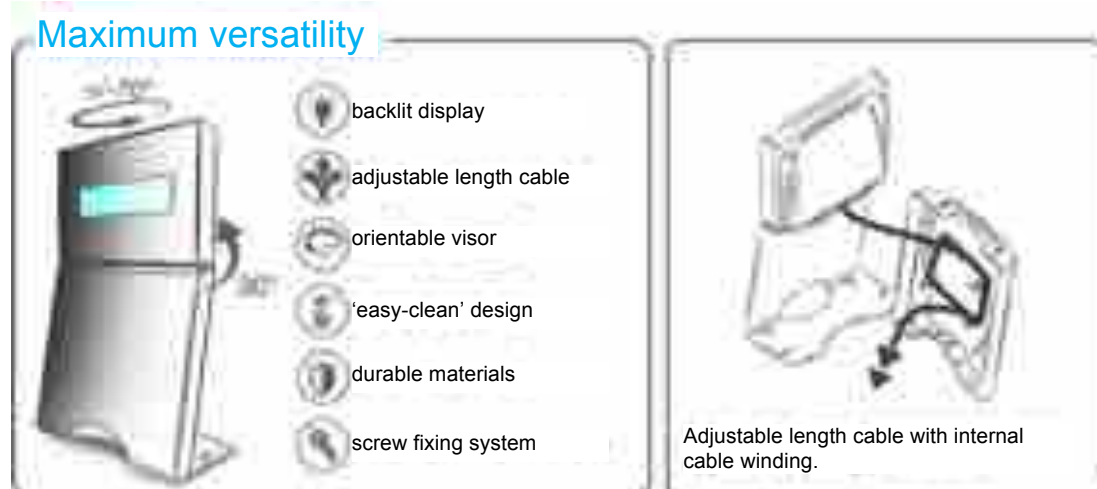
Maximum versatility

System for side fixing on metal base

orientable visor

backlit display

durable materials

ERGONOMICS

Multicolour keyboard layout

direct function keys

visor & keyboard with adjustable inclination

backlit display

durable materials

protective membrane*

'easy-clean' design

compact

TECHNOLOGY

Direct function keys

LCD 2x20 display

4.5 CONNECTIONS

At the rear of the machine the following connection sockets are available:

- ❑ 2.5 mm jack socket for drawer connection
- ❑ RJ45 type socket for the customer display
- ❑ RJ45 type socket for the keypad
- ❑ RJ45 type socket (serial 2)
- ❑ RJ45 type socket (serial 1)
- ❑ RJ45 type socket (ethernet)
- ❑ Micro-USB socket
- ❑ Power cable socket

At the front of the machine a USB socket is available for updating the firmware and loading logs (contact an Authorized Technical Support Centre):

The protocols and connection ports are the following:

Protocol	Port	Function
PC FP600, Remote PC	ETH, SER1, SER2, Micro-USB	Connection to a PC for the transmission of receipts (of the fiscal printer), programming and graphics.

The 'Remote PC' protocol can be used via JavaPOS and Linux 64bit drivers.

5 OPERATIONAL STEPS

Listed below are the operational steps for switching from the 'Fiscal Register' mode (FR) to the 'Telematic Register' (TR) mode (for further details, contact an **Authorized Technical Support Centre**):

Step	Place in which the procedure is performed	Operating function	Description
1	At the client	FR	**Registration** Procedure in which the Telematic Register transmits the necessary certificate file (CSR) to the Revenue Agency. In response, a **device certificate valid for 8 years** is issued.
2	At the client	FR	**Activation/Installation** Transmission of a 'http' message signed with the device certificate. The message contains the VAT number of the operator and activated date (optional), and is communicated to the Revenue Agency. Subsequently a QR code is generated which can be downloaded exclusively by the operator. This code must be printed and stuck to the side of the Telematic Register. In this step, the tax code and VAT number of the technician are required.
3	At the client	TR	**Start** Procedure on the Telematic Register following which it will transmit the data to the Revenue Agency. This procedure can be performed manually by entering the configuration menu or automatically according to the activation date provided during the activation step.
4	At the client	-	**Deactivation (performed by the operator via the Revenue Agency's website)** Procedure for cancelling the association between the operator's VAT number and the serial number of the Telematic Register, and for the suspension of the TR's certificate. After this procedure, the Telematic Register can be associated with another operator through the activation procedure.
5	At the client	-	**Retirement** Procedure for permanent retirement of the Telematic Register, after which it will no longer be usable.
6	At the client	FR	**Revocation** **After 5 years from the start of operation, the user can choose to revoke the option for electronic sum transmission.** This procedure revokes telematic transmission to return to FR mode operation at the end of the 5th year.

5.1 QR CODE ACTIVATION, INSTALLATION & DOWNLOAD

The activation step ends with the generation of a QR code made available to the operator via the Revenue Agency's website. The QR code must be affixed in its special lodging on the Telematic Register in a place visible to customers, and contains the address to a Revenue Agency web page via which it is possible to verify:

- The identification data of the Telematic Register (manufacturer's trademark filed with the Revenue Agency at the time of application for approval of the model, its serial number, and details of the approval provision);
- The operator identification data.

Shown here is an example QR code :

7 CM (3.5 Agency logo + 3.5 QR code)

5.2 CHANGES IN THE STATUS OF THE TELEMATIC REGISTER

According to the Revenue Agency Provision No. 182017 of 28/10/16, the operator must promptly update the data of his/her Telematic Register in the relevant section of the Revenue Agency's website every time an event occurs corresponding to any of the following status changes:

- Memory exhausted
- Sale/transfer
- Theft
- Recovery
- Disposal
- Replacement
- Exchange
- Etc.

Via specific procedures available on the Revenue Agency's website, it is possible to carry out the following status changes for the management of potential events that may affect the operation of the Telematic Register:

OUT OF SERVICE

In case of a non-blocking malfunction, it is possible to send a special report to the Revenue Agency's server to temporarily suspend transmission of the sums and transmit a NOTE specifying the type of fault.

The Telematic Register then attempts to transmit the anomaly signal and displays the <u>outcome</u>. In case of a negative outcome, via the Revenue Agency's website, the operator must communicate the problem, which will be tracked in the system (electronic log). Following this, the Telematic Register can autonomously return to service for the next useful telematic transmission.

DEACTIVATION

This operation cancels the association between the Telematic Register's serial number and the VAT number of the operator, and suspends the TR certificate.

E.g.: Theft or transfer of the Telematic Register to another operator.

RETIREMENT

In case of the retirement of the Telematic Register, the <u>device certificate is revoked and the device is deleted from the registry</u>. This variation can also be communicated by the qualified technician via the functions available in the Telematic Register.

This option permanently retires the Telematic Register from service.

WARNING: After RETIREMENT, it will no longer be possible to restore operation of the machine.

REVOCATION

Within the fourth year, the operator may revoke the requested option for the telematic transmission of sums.

After a period of 5 years from the activation date, having requested revocation (via web), it is then possible to modify the functioning of the Telematic Register to restore the ordinary 'Fiscal Register' mode* (i.e. for the printing of fiscal receipts, instead of commercial documents).

<u>*Option possible only for native Telematic Register models.</u>

6 PROGRAMMING

The main first level programming functions are indicated below.
Contact an **Authorized Technical Support Centre** for second level customizations not listed in this manual.

6.1 GENERALITIES

On pressing button **4** and then the **KEY** button, the display shows:

> **KEY P**

In this operating mode the buttons **TOTAL**, **SUBTOTAL** and **CREDIT** assume the functions of: **CONFIRM**, **SELECT**, and **END**.
To access the programming menu, press the **SELECT** button.
The display shows the main programming menu:

> **BASIC PROGRAMME**

Press the **SELECT** button again to access the first programming menu (that of the product units), with the display showing:

> **Units**

On repeatedly pressing the **SELECT** button the display will show all the programming menus; after the last entry, the sequence will go back to the first. Alternatively, to quickly select a programming menu, enter the progressive number of the item of interest followed by the **SELECT** button.

To enter the menu currently shown on the display, press the **CONFIRM** button.

To exit the programming procedure, press the **END** button, and, if changes have been made, the machine will automatically print a summary receipt as a record.

The following pages show example programming mode procedures. The first column, with a grey background, contains the indications shown on the display, while the second column indicates contents and/or operations to be performed. The buttons to be pressed are shown in bold capital letters.

6.2 ALPHANUMERIC CHARACTER ENTRY

To enter a character, use the numeric keys to enter a sequence of two numbers for each character.

With reference to the figure below, to enter a character on a button, first press the button where the desired character is shown and then the second key, 1, 2 or 3, depending on the position of the character on the button.

For example, the L character is obtained by pressing button **4**, where this character is shown, followed by button **3**, corresponding to the position of the L character within the sequence of characters shown on button **4**. To select a number, press button **0** followed by the button marked with the number.

7 STU	8 VWX	9 YZ
4 JKL	5 MNO	6 PQR
1 ABC	2 DEF	3 GHI

6.2.1 Character to Numerical Code Conversion Table

The numerical codes corresponding to alphanumeric characters are:

space	10	0	00	A	11	Q	62
!	14	1	01	B	12	R	63
?	45	2	02	C	13	S	71
"	30	3	03	D	21	T	72
$	34	4	04	E	22	U	73
%	44	5	05	F	23	V	81
&	40	6	06	G	31	W	82
'	20	7	07	H	32	X	83
(	54	8	08	I	33	Y	91
)	64	9	09	J	41	Z	92
*	74	:	84	K	42	[	65
+	60	#	24	L	43	\	16
,	80	<	15	M	51	]	75
-	50	>	25	N	52	_	55
.	70	=	35	O	53		
/	90	@	94	P	61		

6.3 MAIN PROGRAMMING MENU

The following are the items presented by the machine when the **SELECT** key is pressed repeatedly in the programming menu.

To access the individual item shown on the display, press the **CONFIRM** key. To exit the procedure, press the **END** key.

UNITS	Programming of the units
VAT RATES	Programming of VAT rates
HEADER	Programming of the header
PERCENTAGE %A	Programming of percentage A
PERCENTAGE %B	Programming of percentage B
MISCEL.	Programming of miscellaneous
PROTOCOL	Programming of the communication protocol
LAN PORT	Programming of the ethernet port
DATE	Programming of the date
TIME	Programming of the time
GRAPHIC	Programming of the graphic
TELEMATIC	Programming of telematic transmission of the sums
EXT. DISPLAY	Programming of an external display
BARCODE READER	Programming of the barcode reader

6.3.1 Programming of the units

To each of the 10 units, it is possible to associate a series of parameters, such as shown in the following scheme:

UNITS	=> **CONFIRM** or **END** to exit

WHICH UNIT?	Press the button corresponding to the unit or enter the number of the unit to programme => **CONFIRM**
NAME	Enter the description (max. 20 characters) => **CONFIRM**
PRICE	Enter the price => **CONFIRM**
MAX PRICE	Enter the maximum price => **CONFIRM**
VAT NO.	Enter the VAT rate code (0, 1, 2, 3, 4, 10 (VAT free, Art. 10 Law 633/72), 20 (VAT free, Art. 15 Law 633/72), 30 (VAT free, Art. 74 Law 633/72)=> **CONFIRM**

To end the programming of the Units, press the **END** button at any stage of the procedure.

6.3.2 Programming of VAT rates

The appliance manages 8 codes (from 1 to 8) associated with the same number of VAT rates, in addition to the generic VAT FREE rate (code 0) and to the specific VAT FREE rate for the different types of exemption; 10 (VAT exemption as per Article 10 Law 633/72), 20 (VAT exemption as per Article 15 Law 633/72), 30 (VAT exemption as per Article 74 of Law 633/72). To change the values of the VAT rates follow the following procedure:

VAT RATE	=> **CONFIRM** or **END** to exit

VAT Rate 1	Enter the value of the VAT rate (2 whole nos. & 2 decimals) **=> CONFIRM**
VAT Rate 2	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 3	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 4	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 5	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 6	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 7	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**
VAT Rate 8	Enter the value of the VAT rate (2 whole nos. & 2 decimals) => **CONFIRM**

To end the programming, press the **END** button at any stage of the procedure.

Note: The last operation, before making the change in VAT rates, must be a fiscal report.

6.3.3 Programming of the receipt header

The receipt header containing the operator data and sales point location (i.e. company name, address, VAT number) is programmed over 6 lines of 40 characters, as follows:

HEADER	=> **CONFIRM or END** to exit

1	Enter the first line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button
2	Enter the second line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button
3	Enter the third line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button
4	Enter the fourth line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button
5	Enter the fifth line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button
6	Enter the sixth line of the header => **CONFIRM** Align left, centre or right using the **SELECT** button

To end the programming of the header press the **END** button at any stage of the procedure.

Note: The last operation, before modifying the receipt header, must be a fiscal report.

Every modification of the data reported in the header must be noted in the fiscal log, with the appliance submitted to the appropriate installation procedure to be carried out by an **Authorized Technical Support Centre**.

6.3.4 Programming of the percentage discount/mark-up

The **%A** and **%B** buttons are associated with percentage discount and mark-up functions to be applied to individual units or to the sale subtotal. The following procedure summarizes the programming of this function:

PERCENTAGE % A => **CONFIRM** or **END** to exit

NAME	Description (max. 16 characters) => **CONFIRM**
RATE 0.00	Percentage value of the discount or mark-up (2 whole nos. & 2 decimals) => **CONFIRM**
SIGN	=> **CONFIRM** to select Discount or => **SELECT** => **CONFIRM** to select Mark-up

To end the programming of the discount or mark-up, press the **END** button at any stage of the procedure.

6.3.5 Other programming (Miscellaneous menu)

In the Miscellaneous menu, it is possible to modify various operating options, as indicated in the following procedure:

MISCEL. => **CONFIRM** or **END** to exit

REGISTER. NO.	Enter the identification number of the appliance (max. 3 digits) => **CONFIRM**
BUZZER	=> **CONFIRM** / **SELECT** => **CONFIRM** (YES/NO): to enable an acoustic signal when buttons are pressed
ZERO PRICES	=> **CONFIRM** / **SELECT** => **CONFIRM** (YES/NO): to set a price to zero for the sale of a unit

To end the Miscellaneous menu programming, press the **END** button at any stage of the procedure.

6.3.6 Programming the communication protocol

The Telematic Fiscal Printer allows the configuration of a protocol for communication with a PC.

PROTOCOL	=> CONFIRM or END to exit

TYPE	Via the **SELECT** button, enter the type of protocol to be used (*REMOTE PC* for the interface with the JavaPOS driver or Linux 64bit / *PC FP600* for connection of the printer to the software XPOS PC / *OFF*) **=> CONFIRM**
PORT	Via the **SELECT** button, enter the port used for connection to the PC (LAN PORT / SERIAL 1 PORT / SERIAL PORT / USB DEVICE) => **CONFIRM**
PORT NUMBER	If the Port = LAN PORT, enter the number of the TCP port to be used => **CONFIRM** Or
PORT CONF.	If the Port = SERIAL PORT 1 / SERIAL PORT 2, enter the protocol-string **=> CONFIRM**

To end the programming, press the **END** button at any stage of the procedure.

For further configuration details, contact an **Authorized Technical Support Centre**.

6.3.7 Programming of the LAN port

In this menu, it is possible to configure the Telematic Fiscal Printer's ethernet/internet connection parameters:

LAN PORT	=> **CONFIRM or END to exit**

DHCP	Choose NO/YES (via the **SELECT** button) to deactivate/activate the function => **CONFIRM**
IP ADDRESS	Configure the IP address (default 192.168.1.201) **=> CONFIRM**
SUBNET MASK	Configure the subnet mask (default 255.255.255.0) **=> CONFIRM**
GATEWAY	Configure the gateway (default 192.168.1.1) **=> CONFIRM**
DNS 1	Configure the DNS 1 (default 192.168.1.1) **=> CONFIRM**
DNS 2	Configure the DNS 2 (default 8.8.8.8) **=> CONFIRM**

To end the programming, press the **END** button at any stage of the procedure.

For further configuration details, contact an **Authorized Technical Support Centre**.

6.3.8 Programming of the date and time

The device automatically manages the change from summer to winter time and vice versa.
The date can be modified as long as it is not previous to the last fiscal reset performed.

The last operation, before making a change to the time or date, must be a fiscal report. If this rule is not respected, the appliance will not allow changes to be made to the time or date and will display the message: **ERR. 31: DO FISC. RESET**

Warning: reset dates are irreversibly recorded in the fiscal memory (or 'summary permanent memory'). It is therefore impossible to set a date prior to that of the last fiscal reset carried out. Confirmation of a date after the current date will not allow the subsequent setting of prior date.

The procedure for modifying the date is:

DATE => **CONFIRM or END to exit**

Data 01-02-18 Enter the date in the format DDMMYY => **CONFIRM**

If the date shown is correct, confirm => **CONFIRM**

or => **END to end** the procedure without modifying the original date

The procedure for modifying the time is:

TIME => **CONFIRM or END to exit**

TIME 14:30 Enter the time in the format HHMM => **CONFIRM**

or **=> END to** end the procedure without modifying the time

6.3.9   Programming of the graphic

It is possible to print receipts with a graphic stored in the machine's memory.
The graphic can be printed on the receipt in three different ways:
*   Product graphic: The graphic is printed at the end of every sales receipt.
*   Timed graphic: The graphic is printed at the end of the sales receipt only between two scheduled dates.
*   Logo graphic: The graphic is printed at the beginning of every sales receipt.

It is also possible to store in the memory of the appliance custom graphics. For this function, contact an **Authorized Technical Support Centre**.

The appliance has 40 preconfigured graphics, numbered from 1 to 40. For the printing of the available graphics, digit **500** => **CONFIRM** in **KEY P**

6.3.9.1   Product graphic

This function allows the printing of a certain graphic at the end of the receipt. The programming procedure is:

GRAPHIC	=> **CONFIRM or END to exit**
PROD. GRAPH..	=> **CONFIRM or END to exit**
DRAWING	Enter the number of the drawing (from 1 to 40; 0 no drawing) => **CONFIRM**

Press the **END** button to end the procedure.

6.3.9.2   Timed graphic

This function allows the printing of a certain graphic at the end of the receipt at time intervals (maximum 10) defined by start day and month and end day and month. The programming procedure is:

GRAPHIC	=> **CONFIRM or END to exit**
PROD. GRAPH.	=> **SELECT** or **END** to exit
TIMED GRAPH.	=> **CONFIRM or END to exit**
NUMBER	Enter the number of the period (from 1 to 10) => **CONFIRM**
DRAWING 0	Enter the drawing number (from 1 to 40; 0 no drawing) => **CONFIRM**
FROM 01-01	Enter the start date in the format DDMM => **CONFIRM**
TO 01-01	Enter the end date in the format DDMM => **CONFIRM**

To end the programming of the current period, press the **END** button at any stage of the procedure.

6.3.9.3 Logo graphic

This function allows the printing of a certain graphic at the beginning of the receipt. The programming procedure is:

GRAPHIC	=> **CONFIRM or END to exit**

PROD. GRAPH.	=> **SELECT** or **END** to exit
TIMED GRAPH.	=> **SELECT** or **END** to exit
LOGO GRAPH.	=> **CONFIRM or END to exit**
DRAWING 0	Enter the drawing number (from 1 to 40; 0 no drawing) => **CONFIRM**

To end the programming, press the **END** button at any stage of the procedure.

6.3.9.4 Printing of stored drawings

PRINT STORED DRAWINGS	500 => **CONFIRM**

6.3.10 Telematic

In this menu, it is possible to configure telematic transmission parameters:

TELEMATIC	=> **CONFIRM or END to exit**

RA HOST	Host name of the Revenue Agency (default "apid-ivaservizi.agenziaentrate.gov.it") **(not to be modified)** => **CONFIRM**
RA PORT	Communication port (default 00443) **(not to be modified) => CONFIRM**
SEND SUMS	Choose YES/NO (via the **SELECT** button) to activate/deactivate the automatic telematic sum transmission function during fiscal reset => **CONFIRM**
VERIFICATION	Choose YES/NO (via the **SELECT** button) to activate/deactivate the display notification of exceeding the 5th day without telematically transmitting the sums => **CONFIRM**. **N.B.: If YES is chosen, after the 5th day of no telematic transmission of the sums, the Telematic Register will no longer allow the issuing of commercial documents.**

To end the programming, press the **END** button at any stage of the procedure.

6.3.11 Programming of an external display

In this menu, it is possible to configure the external display parameters:

| EXT. DISPLAY | => **CONFIRM or END to exit** |

| PORT | Select via the **SELECT** button the serial port of the Telematic Register to which the external display is connected => **END** |

For further configuration details, contact an **Authorized Technical Support Centre**.

6.3.12 Programming of the Reader

In this menu, it is possible to configure the barcode reader parameters:

| BARCODE READR | => **CONFIRM or END to exit** |

| PORT | Select via the **SELECT** button the serial port of the Telematic Register to which the barcode reader is connected => **END** |

For further configuration details, contact an **Authorized Technical Support Centre**.

6.3.13 Special Programming Codes

Indicated below are the special programming codes and description of the corresponding functions. To modify the special code settings, set the machine's mode to KEY P (programming).

6.3.13.1 Programming of the Returns report

For the activation and characteristics of this function, contact an **Authorized Technical Support Centre**.

6.3.13.2 Invoice options

| INVOICE | 251 => **CONFIRM** |

| Invoice Start | Number of the next document that will be printed => **CONFIRM** |
| Series | Up to 4 characters for identification of the series of the documents => **CONFIRM** |

6.3.13.3 Auto-Clear option

In case of critical errors interrupting the regular operation of the machine (e.g. paper running out), once the cause of the error has been eliminated, press the C (Clear) key to cancel the error message and resume normal operation. With the auto-clear option enabled, once the cause of the error has been eliminated, the machine resumes normal operation without the operator having to press the C (Clear) key.

AUTO-CLEAR OPTION	260 => **CONFIRM**

ENABLE/DISABLE	2 / 0 => **CONFIRM**

6.3.13.4 Automatic Cutter

ENABLE AUTOMATIC CUTTER	61 => **CONFIRM**

CUTTER	**CONFIRM**: Enable full cut
FULL CUT	**SELECT**: Pass onto the next option
CUTTER	**CONFIRM**: Enable partial cut
PARTIAL CUT	**SELECT**: Pass onto the next option
CUTTER	**CONFIRM**: Disable the cutter
NO	**SELECT**: Pass onto the next option

6.3.13.5 Header print and lower receipt margin mode

There are two header print modes identified by numbers 0 and 1.

RECEIPT HEADER PRINT MODE	701 => **CONFIRM**

HEADER OF THE CURRENT RECEIPT PRINTED AT THE END OF THE PREVIOUS	0 => **CONFIRM**
HEADER PRINTED AT THE START OF THE RECEIPT	1 => **CONFIRM**

6.3.13.6 Amount setting mode

AMOUNT SETTING IN CENTS WITH AUTOMATIC DECIMAL	51 => **CONFIRM**

FIXED DECIMAL	=> **CONFIRM** / **SELECT** => **CONFIRM** (YES/NO): choose whether to set amounts in Euro cents or Euros
AUTOMATIC DECIMAL	=> **CONFIRM** / **SELECT** => **CONFIRM** (YES/NO): automatically display the decimal point

7   OPERATION

The functions described below require the machine to be in recording mode. This mode is activated by pressing button **1** and then the **KEY** button. The display will then show the message:

REC. KEY

7.1   UNIT SALES FUNCTIONS

7.1.1   Unit sales

The unit buttons allow sales transactions of product units. The association of each unit with a VAT rate or a product group allows the subdivision of sales data in the various print reports. Pressing the unit key repeatedly repeats the recording of the last sale.

The amount to be entered before pressing the unit button can be omitted if pre-programmed.

The single sale function with automatic cash closing set on the unit allows the receipt to be generated simply by pressing the unit button.

Examples:

1) Receipt of a sale of unit 1: *amount* => **UNT. 1** => **TOTAL**

2) Receipt of a sale of unit 1 with a fixed price: **UNT. 1** => **TOTAL**

7.1.2   Multiplication of unit sales

Pressing the **X** button preceded by an integer or decimal number allows the entering of quantities other than 1 in a sale.

The maximum number of digits for whole quantities is 4. For decimals, the maximum number of decimal places is 3, and the total number of whole and decimal digits cannot exceed 5.

Example:

- Sale with quantity times UNIT 1 amount:

   no. pieces or weight => **X** => *unit price* => **UNT. 1**

7.2   SALE MODIFICATION FUNCTIONS

These functions allow, with an open receipt, modification of the value of the sale to be recorded in the receipt. The possible operations are correction, refund, goods return, discount/mark-up and cancellation on the subtotal.

7.2.1   Correction of the last sale

The button **CORR.** cancels the last recording entered. After pressing the button, a row is printed with the description CANCELLED and the same amount with the opposite sign from the last sale.

Example: Sale of UNIT 1 and subsequent correction: *amount* => **UNIT** => **CORR.**

7.2.2   Refund of a previous sale

The button **REFUND** allows the cancellation of a previous sale within the same receipt. The function is applicable only in case of a refund of the sale of a unit already recorded in the current receipt.

Example:

- Refund of a sale of UNIT 1: **REFUND** => *amount* => **UNT. 1**

7.2.3 Goods return

This function allows a goods return of any amount of any unit via use of the button **RTRN**. The receipt must however be closed with a positive value, or otherwise zero.
Example:
- Return of a product of UNIT 1: **RTRN** => *amount* => **UNT. 1**
Note: This function is available only when use the 'Fiscal Register' mode.

7.2.4 Percentage Discounts and Mark-ups

This function applies a percentage discount or mark-up to the last sale made, or to all the sales on the SUBTOTAL of the current transaction. The button to use is **%A**. The function associated with the button is programmable: it is possible to set the sign (+ or -), the percentage value and the description.
The discount/mark-up can be entered during the sale before pressing button **%A.**
Examples:
1) Discount/mark-up with preset percentage on a sale of UNIT 1:
      amount => **UNT.1** => **%A**
2) Discount/mark-up with percentage set during the transaction of a sale of UNIT 1
      amount => **UNIT** => *% discount* => **%A**
3) Discount/mark-up with preset percentage on SUBTOTAL: **SUBTOT** => **%A**
4) Discount/mark-up with percentage set during the transaction on the SUBTOTAL:
      SUBTOT => *% discount* => %A

7.2.5 Value Discount

The **DISCOUNT** button (represented by the "**–**" symbol on the corresponding button of the keypad) allows the application of a value discount on a unit sale previously recorded. This discount can also be applied after the SUBTOTAL, with the consequent automatic distribution of the discount over the previous sales. For example:
1) Value discount on a sale of UNIT 1: *amount* => **UNT.1** => *discount amount* => **-**
2) Value discount on SUBTOTAL: **SUBTOT** => *discount amount* => **-**

7.2.6 Value Mark-up

The **MARK-UP** button (represented by the "**+**" symbol on the corresponding button of the keypad) allows the application of a value mark-up on a unit sale previously recorded. This mark-up can also be applied after the SUBTOTAL, with the consequent automatic distribution of the mark-up over the previous sales. For example:
1) Value mark-up on a sale of UNIT 1: *amount* => **UNT.1** => *mark-up amount* => **+**
2) Value mark-up on SUBTOTAL: **SUBTOT** => *mark-up amount* => **+**

7.2.7 Cancellation of the total receipt

The **CANCEL RECEIPT** button cancels the entire receipt in progress, resetting the total to zero.

After activating this function, the display shows: **CONFIRM   ?**

Press the button **CONFIRM** to cancel the receipt or the button **END** to exit the function without cancelling the receipt in progress.

Example: *amount* => **UNIT** => **CANCEL RECEIPT => CONFIRM**

7.3   TRANSACTION CLOSING & FORM OF PAYMENT

The sales transaction is closed by the sequences of keypad buttons that allow the amount collected in various payment forms to be entered.

The Telematic Fiscal Printer automatically calculates and displays the change when the collected value is higher than the sale value. If the declared payment value is less than the sale total, the machine displays the remaining value (SUBTOTAL) and waits for subsequent payment entry. It is possible to make payments with mixed forms of payment. Any remainder is always accounted for as cash.

Below are examples of the main forms of payment:

7.3.1 Payment by cash

The button **TOTAL** allows the recording of payments in cash.

Examples:

1) Payment in cash and closing of the receipt without entering the amount:

> *amount* => **UNT. 1** => **TOTAL**

2) Payment in cash with the entering of an amount for the calculation of change printed on the receipt: *amount* => **UNT. 1** => *amount* => **TOTAL**

3) Payment in cash with the entering of an amount for the calculation of change for the receipt already printed: *amount* => **UNT. 1** => **TOTAL** => *amount* => **TOTAL**

7.3.2 Payment by Cheque, Credit Card or Credit

It is possible to directly record payments made via the Telematic Fiscal Printer with transaction closing by cheque, credit card or credit. The amounts are assigned to the various fiscal and management totals and then printed in the reports to allow for cash management.

Mixed payments or payments made up of several forms of payment are possible within the same receipt until the total value of the sale is reached or exceeded.

Example: sale of UNIT 1 with payment by cheque and payment of the remaining amount by credit:
amount => **UNT.1** => **SUBTOT** => *amount* => **CHEQUE** => **CREDIT**

7.4   OTHER FUNCTIONS & SPECIAL BUTTONS

7.4.1 Subtotal

On pressing the **SUBTOT** button within a sales transaction, the current amount of the receipt in progress is displayed and printed.

On pressing the **SUBTOT** button twice in succession, the number of pieces sold in the sales transaction in progress is displayed.

The **SUBTOT** button, if preceded by a number up to 12 digits, allows the printing of this number preceded by the # character without this number influencing the transaction in progress.

7.4.2 C button

The **C** button clears error messages and entered sequences displayed but not yet printed on the receipt.

7.4.3 Decimal separator (point)

The use of the **decimal point** button enters the decimal point in Euro amounts containing decimal figures, in decimal quantities and in decimal percentages.

7.4.4 Advance paper

On each press, the advance paper button advances the paper feed by one line of the receipt paper roll.

7.4.5 Date and Time

Press the **Func.** to display the date. Press again to display the time.

7.4.6 Amount

The **amount** button allows the maximum amount for the unit to be exceeded.

To momentarily exceed the maximum price limit (configured in programming, e.g. 10.00 Euro) of UNIT 1, the sequence is:

> **amount (e.g. 99.00)** => button **amount** => **UNT.1**

7.4.7 Fiscal Code

The **FUNCTION** button preceded by a number allows the activation of the following functions:

Entering of the Fiscal Code or VAT No. for self-certifying receipts

On pressing button **2** followed by the **FUNCTION** button, the display shows: **FC:**

Enter the alphanumeric characters indicating the fiscal data of the customer and then press the button **CONFIRM** or read, via the scanner connected to the Telematic Fiscal Printer, the barcode of the national health or insurance card of the customer.

Example: **2** => **FUNCTION** => **VAT No.** => **TOTAL/CONFIRM**

The machine then performs a check on the validity of the Fiscal Code or VAT No.

7.4.8 Accounting and Invoice movements

Press the **MOVEMENT** button, when the receipt is closed, to access the movement menu for recording accounting amounts for the purpose of managing the contents of the drawer. These records do not affect the fiscal management of the appliance.

In this menu, it is also possible to activate the printing of fiscal receipt, invoice or invoice with simultaneous issuing of the equivalent receipt.

To access and select the functions of this menu, use, as for programming, the buttons: **SELECT**, **CONFIRM** and **END**.

On pressing the **MOVM**. button, the display shows: **MOVM. ACCOUNTING**

7.4.8.1 Withdrawals and deposits

Recording of register withdrawals and deposits subdivided by forms of payment. Examples:

1) Recording of a withdrawal of cash from the drawer:

Press the **MOVEMENTS** button until the display shows **WITHDRAWAL** and then

CONFIRM => amount => TOTAL => CONFIRM

2) Recording of a deposit of cash in the drawer:

Press the **MOVEMENTS** button until the display shows **DEPOSIT** and then

CONFIRM => amount => TOTAL => CONFIRM

7.4.8.2 Invoice (on internal printer)

Press the **MOVEMENT** button until the display shows **INVOICE** and press the **CONFIRM** button. Enter the customer data (optional) on the 4 x 40-character print lines (plus one for entering the tax code or VAT number), pressing, at the end of each line, the **CONFIRM** button. After the initial customer data setup phase, complete the transaction by entering the sale and payment.

8   READ & RESET REPORTS

It is possible to read the register data (VAT report) or simultaneously reset the register, depending on the mode of the appliance, defined as **READ** or **RESET**.
Similarly to **PROGRAMMING**, in these modes the buttons **TOTAL**, **SUBTOT** and **CREDIT** assume respectively the functions of **CONFIRM**, **SELECT** and **END**.

8.1   READ REPORT

To enter the READ (KEY X) operating mode, press button **2** followed by the **KEY** button. On then pressing the **SELECT** button, the display shows: **READ**

Press the **SELECT** button until **EXTEND. JOURNAL** is displayed, and then press **CONFIRM** to select the indicated report.
The print generated in the READ mode will be of the <u>NON FISCAL</u> type.

8.2   RESET REPORT

To enter the RESET (KEY Z) operating mode, press button **3** followed by the **KEY** button. On then pressing the **SELECT** button, the display shows: **RESET**

Press the **SELECT** button until **EXTEND. JOURNAL** is displayed, and then press **CONFIRM** to select the indicated report.

After the printing of the NON-FISCAL report, press the **CONFIRM** button to print the daily FISCAL REPORT, and thus reset all totals and counters. Alternatively, press the **END** button to cancel the daily FISCAL REPORT.

8.3   FISCAL RESET

The FISCAL RESET is printed at the end of the End of Day Report after pressing the **CONFIRM** button.

The FISCAL RESET receipt must be conserved for tax purposes.

N.B.: In 'Telematic Register' mode, after printing the Fiscal Reset, the sums will be automatically sent to the Revenue Agency (see section 6.3.12 'Telematic'). In case automatic transmission of sums to Revenue Agency has been disabled (see section 6.3.10 'Telematic'), the user must provide for manual transmission of the sums to the Revenue Agency by the sequence:
<3> <KEY> <99> <CONFIRM>.

8.3.1   TRANSMISSION OF DAILY CLOSING DATA

At daily closure, the Telematic Register processes the data contained in the summary permanent memory and generates a .xml file with a given path, electronically seals it with the device certificate, and subsequently transmits it electronically to the Revenue Agency.

The transmission of the sums takes place at a random time within the operating range of the device.
All transmissions must take place within the time slot of between 00:00 and 22:00.
On transmission of the .xml file, Revenue Agency's system sends the Telematic Register the outcome of the transmission, certifying the validity of the fiscal seal and formal structure of the transmitted files.
The outcome, and the generated .xml files or data contained within them and transmitted to the Revenue Agency's system are stored in the detail permanent memory (the Electronic Funds Journal, or DGFE) and are therefore available for consultation at the point of sale.
The transmission of the daily data takes place with variable frequency up to a maximum interval of 5 days.
The transmissions must be sequential or must be sent with a progressive transmission unique for every Telematic Register.
Files cannot exceed a maximum size of one megabyte.

If the Telematic Register is unable to transmit the files to the Revenue Agency's system within 5 days, for example, due to a lack of connectivity, the electronically sealed file may be transferred to an external device in order to fulfil transmission requirements as per applicable provisions. In such case, transmission outcome is transmitted to the external device and can, in any case, be consulted within the dedicated area of the Revenue Agency's website.

In case of any interruption in the activity due, for example, to weekly closing, Sunday closing, holidays, closure for exceptional events, seasonal activities or any other form of interruption in the transmission (not caused by technical malfunctions of the appliance), the Telematic Register, on the first subsequent transmission or the last useful transmission, processes and sends a single file containing all the data (with zero amount) relating to the period of interruption, for which the operator did not perform the daily closing operation.

8.3.2 DATA TRANSMISSION ERRORS

If the Revenue Agency's system detects an error in the transmission or in the format of the data, an error outcome is sent in compliance with the 'Operation Outcome' according to a given record layout.

If the operator detects an identification or transmission of incorrect or partial data due to malfunctions in Telematic Registers or from third parties not attributable to the Telematic Registers themselves, he/she can report the anomaly via the dedicated online procedure on the Revenue Agency's website or via the special 'REST' service made available.

8.3.3 MANUAL EXPORT OF THE .XML FILES

In case it is not possible to transmit the .xml files of the sums directly from the Telematic Register, the files can be exported to a connected PC.

To do this, insert a pen drive in the front USB port and enter the sequence:

<3> <KEY> <98> <CONFIRM>.

The exported files can then be transmitted using other tools or transmission channels.

Provisions require that this export (and subsequent transmission by other means) must take place in the case of failure to transmit (from the Telematic Register) 5 or more files (i.e. for 5 or more work days or resets).

From the sixth .xml file not sent, the Telematic Register signals a **warning message** (on the display) when performing the daily reset.

8.3.4 PRINTING OF TRANSMISSION VERIFICATION OUTCOMES

It is possible to request the reprinting of transmission outcomes only.

To do this, enter the sequence:

<4> <KEY> <164> <CONFIRM>

followed by the date interval:

FROM DD-MM-YY <CONFIRM>
TO DD-MM-YY <CONFIRM>

9 FISCAL MEMORY (OR SUMMARY PERMANENT MEMORY) READ REPORTS

There are three different types of fiscal memory (or summary permanent memory) read reports that can be generated in reset mode (**3 KEY**):

1) Full print of the contents of the Fiscal Memory (or summary permanent memory):
    10 => **CONFIRM**

Prints are made of the progressive numbers of all resets, the issue dates and fiscal sums, any resets (general resets of the appliance) made by Technical Support and the headers of the commercial businesses that have used the appliance.

2) Selective print of resets stored in the Fiscal Memory (or summary permanent memory) (from start number to end number):
    11 => **CONFIRM** => **start reset** => **CONFIRM** => **end reset** => **CONFIRM**

This report prints the same data as above except that it only lists the resets included in the range of selected reset numbers.

3) Print of the contents of the Fiscal Memory between two dates:
    14 => **CONFIRM** => **start date** => **CONFIRM** => **end date** => **CONFIRM**

This report prints the same data as above except that it only lists the resets included in the range of the set dates.

4) Print of the contents of the Fiscal Memory between two dates without detail data:
    15 => **CONFIRM** => **start date** => **CONFIRM** => **end date** => **CONFIRM**

This report prints the same data as above except that it only lists the resets included in the range of set dates (with detail data)

10 ERROR MESSAGES

The error messages shown on the display are subdivided in correctable and blocking errors.
In case of a correctable error, the machine will resume normal operation after corrective actions by the operator and the subsequent pressing of the **C** button.
In the case of blocking errors, contact an **Authorized Technical Support Centre**.
Shown here are all the error codes, their causes and corrective actions to be taken.

ERROR MESSAGE TABLE

Error Code	Meaning and corrective action
Err_01	Incorrect setting. Press button **C** and try again.
Err_03	Clock error (*).
Err_04	Machine key not recognized. Insert the right key.
Err_05	Totalizer capacity exceeded. Perform a reset.
Err_07	Function not permitted. Press button **C** and try again.
Err_12	Fiscal memory (or summary permanent memory) saturated (blocking error) (*).
Err_13	Fiscal memory (or summary permanent memory) fault (blocking error)(*).
Err_15	Fiscal memory (or summary permanent memory) absent (blocking error)(*).
Err_16	Total negative. Make a sale to return to positive.
Err_18	Fiscal memory (or summary permanent memory) exhausted (blocking error)(*).
Err_19	Data corruption (blocking error) (*).
Err_22	Out of receipt paper or printer cover open.
Err_28	Write error in fiscal memory (or summary permanent memory) (blocking error)(*).
Err_29	Read error in fiscal memory (or summary permanent memory) (blocking error)(*).
Err_31	Function not permitted until fiscal reset. Perform a reset.
Err_32	Too many resets performed (blocking error)(*).
Err_33	Date precedes the last date in fiscal memory (or summary permanent memory) (*).
Err_34	No more space for headers in fiscal memory (or summary permanent memory) (blocking error) (*).
Err_43	Printer cover open.
Err_44	Inconsistent data (blocking error) (*).
Err_48	Automatic cutter jammed.
Err_69	Incorrect sequence received from pc connected via serial line.
Err_83	• DGFE (or 'detail permanent memory') fault. • Failure to recognize DGFE (or 'detail permanent memory') (e.g. inserted DGFE has been initialized by another device).
Err_84	DGFE (or 'detail permanent memory') absent or incorrectly inserted.
Err_85	Virgin DGFE (or 'detail permanent memory'): initialize the DGFE.
Err_86	• DGFE (or 'detail permanent memory') saturated. Perform a fiscal reset and replace the DGFE (or 'detail permanent memory') • DGFE (or 'detail permanent memory') inserted is not the last to be initialized by

	the device.
Err_ 100	ECR busy with another operation. Press the **C** button and try again.
Err_ 102	Parameter error (e.g. if the value of a discount is greater than 100% or the price entered exceeds 3 decimals places).
Err_ 103	Transaction error (e.g. if, when performing a return, the VAT of the unit is negative)
Err_ 105	No space for programming VAT in fiscal memory (or summary permanent memory) (blocking error) (*).
Err_ 106	No space for initializing the DGFE in fiscal memory (or summary permanent memory) (blocking error) (*).
Err_ 111	Automatic cutter jammed in the 'open' position.
Err_ 113	Loss /Corruption of management data (e.g. configuration of units, configuration of VAT rate) (*).
Err_ 114	Send or export the closing .xml files.
Err_ 116	Error during the transmission of the .xml file to RA. Press button **C** and try again.
Err_ 117	RA server 'busy'. Press button **C** and try to send the .xml again.
Err_ 119	Fiscal memory (or summary permanent memory) near exhaustion (*).
Err_ 120	DGFE (or 'detail permanent memory') near exhaustion (*).
Err_ 122	USB pen drive absent or incorrectly inserted.

(*) = contact an **Authorized Technical Support Centre**

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