

Touch PRO

Car Wash starter system

EN



Operating Manual

GUIDE TO THE SYMBOLS IN THE MANUAL

The following symbols are used in this manual
in order to facilitate its understanding.

EN



Important information



Read carefully before use



Warning!

DECLARATION  OF CONFORMITY

THE MANUFACTURER: Comestero Group S.r.l.
via M. Curie 8,20060 Gessate MI

DECLARES that the products

TYPE: Car Wash start system

TRADEMARK: Comestero

MODEL: Touch PRO

Comply with the following European directives, including their latest changes,
and with the relative national laws applying such directives:

2004/108/CE

2006/95/CE

And that the following harmonised STANDARDS were applied:

EN 55014-1

EN 55014-2

E N 61000-3-2

EN 61000-3-3

EN 62233

EN 60335-2-82 in association with

EN 60335-1

Gessate, 15/06/2012

Riccardo Chionna, Managing Director Comestero Group S.r.l.



SAFETY INFORMATION

This machine is equipped with safety devices in order to prevent damage due to short circuits and fire.



These devices must not be bypassed, removed or disabled for any reason.

If the devices must be disabled to carry out maintenance or servicing, operate on the appliance only when the power supply has been switched OFF.



The safety devices have been constructed in compliance with existing regulations.

We recommend the operator to periodical check their correct operation.

Risks deriving from using the machine

If maintained in good operating conditions and installed correctly (according to the instructions of this manual), the machine does not pose any danger for the operator. The personnel in charge of loading the dispensers, starting the equipment and maintaining the machine must bear in mind that moving parts, doors and the cash point can cause various types of injuries if not handled properly; it is also good practice to disconnect the power supply before carrying out any operation on the open equipment (maintenance, etc...). This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless you have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



Electrical hazards: direct contacts during connection to the main power supply.

Operations carried out by a **qualified technician**.



Crushing hazards during motion of moving parts of the device.

The compartments must be opened and closed slowly and carefully.

Hazards during machine installation and setup

Follow the machine installation instructions (section 5) so that risks for people and property are minimal.



Crushing hazards during movement and positioning of the device.

The device must be transported by a **technician qualified** in handling loads (forklift operators, etc...).

Caution:

- Use lifts and equipment with suitable harnessing.
- Perform these operations with the area clear of obstacles or people.
- Before lifting, always ensure that the load is stable and carry out all movements carefully, avoiding any oscillation.



Electrical hazards: direct contacts during connection to the main power supply. Operations carried out by a **qualified technician**.

Caution:

- Make sure that the distribution line is sized according to the power consumption of the machine.
- Connect the system to ground before connecting the machine and the accessories.

Hazards during machine maintenance



Electrical hazards: direct contact with live parts within the electrical cabinet. Where the electrical components are housed. Operations carried out by a **qualified technician**.

EN

Caution:

- Service the machine only after the main power supply has been switched off.

Signs

The machine is equipped with warning labels showing conventional hazard signs with symbols and/or written messages. The labels are located near the hazardous areas.



GENERIC HAZARD



ELECTROCUTION HAZARD



GROUND

GENERAL WARRANTY CONDITIONS

Read the following carefully in order to understand the general warranty applied to this product.

ART. 1 - Scope of application

These general terms and conditions shall apply to all the goods and services provided by our company. Placed orders shall imply the full and unconditional acceptance of these general terms and conditions of sale. The contract of sale shall be considered perfected when the Purchaser receives the order confirmation from the Seller.

ART. 2 - Electromagnetic compatibility and safety

Our company certifies that the supplied goods comply with the standards concerning electromagnetic compatibility and safety; mandatory declarations are indicated in detail in the plates and labels affixed on the products and in the technical documentation attached or available at our premises. The recipients of the supply undertake to use or market the supplied goods, ensuring the integrity, completeness and usability of such information.

ART. 3 – Warranty

Except in cases where the mandatory provisions in Leg. Decree No. 206/2005 (“Consumer Code”) or in other relevant laws are to be applied, the goods and services are supplied under warranty by our company for a period of 12 months. This period starts from the date of purchase of the product. The warranty is exclusively limited to the normal operation of the goods supplied and to the result of the service provided. The warranty exclusively involves the repairs or replacement of the goods. Restoration of the goods to their normal operative state shall be carried out in our factory. Although not provided for here, Art. 1512 CC is also applicable in terms of revocation and limitation.

Our company shall not be liable in any way for operation of goods supplied in environmental conditions or technical conditions other than those established by our specifications, usually set out in the technical documentation. Any liability for direct or indirect damage not deriving from a malfunction is expressly excluded.

The warranty is void and null if the purchaser is insolvent in paying the established price.

The warranty does not apply in the following cases:

1. lack of or improper maintenance, even if carried out by qualified personnel;
2. repairs or alterations made by the purchaser on his unilateral initiative;
3. inadequate or irregular voltage in the power lines, insufficient flow rate and abnormal electrical systems;
4. corrosive action of detergents;
5. poor or non-functioning software or hardware or loss of data recorded by the purchaser as a result of storms, lightning, high temperature or voltage variations of the electric current, earthquakes, fire, etc.;

6. with reference to all the electrical components and mechanical plastic moving parts subject to normal wear, which must be replaced during routine maintenance;
7. where the products have been used in conjunction with or incorporated into equipment or materials whose specifications have not been approved in writing by the selling company;
8. tampering with the label showing the serial number of the machine;
9. fault or breakage due to transport, acts of vandalism, natural calamities or wilful damage;
10. wrong or bad installation of the product;
11. carelessness, negligence or lack of skill in using the product;
12. failure to comply with the operating instructions in the technical manual;
13. interventions for alleged defects or casual checks;
14. repairs carried out without our authorization.

Malfunctioning of the machine due to the software not being upgraded is not considered a defect. Comestero is not obliged in any way to upgrade the software free of charge or upgrade the mechanical components which may be necessary due to new coins or banknotes being introduced by the Italian and European authorities, when repairing a product that is covered by the warranty. However, such upgrades could still be requested from Comestero and the company is obliged to send a quotation to the customer prior to intervention.

Any repair or tampering carried out on the supplied goods by subjects who are not authorized by us will render the warranty null and void.

We declare to have carefully considered, to the best of our knowledge and manufacturing practices, the issue related to preventing the goods supplied from being violated by persons who intentionally intend to alter their operation. However, we shall not assume any liability for illegal conduct or damage that may result from fraudulent use of the goods supplied. All required repairs not covered by the warranty must be paid for and the Comestero price list shall apply whose updates are regularly communicated.

ART. 4 – Limitation of Liability

Notwithstanding the hypotheses in art. 1229 of the Italian Civil Code and notwithstanding the mandatory provisions of law, for every damage caused directly or indirectly by failures or delays of the Seller or by the purchased products to objects or persons, including but not limited to lost profits and damage to the corporate image, the compensation payable by the Seller shall not exceed, in any case, 10% of the amount paid by the Purchaser for the product that caused the damage.

ART. 5 – Delivery

The goods subject of the supply are considered delivered at the time and in the place they are passed on to the carrier; therefore, our company shall not be held liable for total or partial shortages, damage or delays related to transport. Upon delivery, the recipient must duly note any errors or damage on the bill of lading. The Purchaser's refusal to accept or collect all or part of the ordered goods does not suspend obligation to pay. The terms of delivery indicated in the order confirmation allow for a grace period of 60 days. Upon delivery, the Purchaser must carry out a complete technical verification of the quality and

functionality of the product within eight days. If not, the product shall be considered accepted without reservations or objections by the Purchaser.

ART. 6 - Retention of Title

The supplied goods shall remain the property of our company until full payment of the price has been made. In the event of termination of the contract for non-payment, the Seller is entitled to claim the unpaid items held by the Purchaser, which must be returned at the Purchaser's expense. All sums already paid will be retained by the seller as compensation and penalty.

ART. 7 – Terms of payment

Invoices must be paid in accordance with the agreements and within the deadline specified on the invoice. Any delay in payment will automatically result, without the need of formal notice, the application of interest at the rate stipulated in Legislative Decree no. 231 of 9.10.2002, unless agreed otherwise. If the purchaser delays, each benefit in the terms and conditions that may have been granted shall be deemed null and void and the seller may demand immediate payment of all outstanding amounts as well as of additional orders on receipt of the goods.

ART. 8 – Returns

Return of faulty goods or of goods requiring our assistance must be expressly authorised by us. Therefore, we reserve the right to reject the return or ask you to return the good to another destination other than our headquarters. We shall be liable for the goods only when it will be delivered to the indicated address.

ART. 9 - Applicable law and court of jurisdiction

The supplies regulated by these general terms and conditions are governed by Italian law. Any dispute shall be resolved by the Court of Milan.

Dear Customer,

Thank you for choosing a Comestero product. By following the instructions of this manual carefully you will be able to appreciate and be satisfied by its quality.

Please read the operation and maintenance instructions carefully, in compliance with the safety provisions, before using the machine and store this manual for future reference.

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1. Introduction

This manual and its annexes provide all the necessary information for a correct installation of the product and all its parts, as well as for its correct use and maintenance.

The information contained in this manual can be modified without prior notice and do not constitute a commitment on behalf of Comestero.

The information contained in this manual has been collected and verified with the utmost care; however, Comestero has no liability arising from its use.

When not specified otherwise, all references to companies, names, contacts and addresses used in the examples are purely fictional and have the aim to illustrate the operation of the product.

The reproduction of any part of this document, even partially, in any form without express authorization by Comestero, is prohibited.

When you want to learn more about how to use the product or you are unsure how your device should function, see the support pages on the Comestero website at: <http://eu-en.suzohapp.com/cms/ENG/online-support.html>.

2. Presentation of the products

Touch PRO is much more than just a gantry starter. Its state of the art technology offers numerous advantages to both the user and the operator.

The new Touch PRO is an innovative machine to manage the services required by modern self-service facilities, offering advanced performances capable of fully meeting the most common requirements of the industry. Its practical, wide anti-vandal touch screen and payment systems are grouped together to be immediately recognisable and give accessible result in greater ease of use.

Its several implemented functions, on the other hand, allow the operator to increase the business day by day. Touch PRO is not just a simple centralised cash point but a truly automated car wash service support and a powerful marketing tool.

Touch PRO allows the integral tunnel management through a tactile and vocal user interface and can manage up to 8 different washing services. All payment systems are grouped together in order to be easily identified and accessed and are protected against water and weather agents by a special polycarbonate pivoting door. New levels of security are guaranteed by the use of construction materials which are highly resistant to dust, water and chemical agents. Touch PRO can be installed in the car wash facility in three ways: recessed, inside a cabinet or inside an accessible cabinet (the installation tools are

optional). Touch PRO is electronically interfaced with automatic washing machines by means of electronic boards called MaxiBio. In binary mode, one MaxiBio board is enough to manage up to 8 wash programs. After connecting Touch PRO to the washing machine by means of MaxiBio boards, the device will manage the car wash independently, providing users with several purchase options relative to their cars. **Touch PRO** is also an efficient tokens/keys/cards vending station to use in the car wash facility.

3. Warnings



Read this manual carefully before installation. Knowledge of the information and instructions of this manual is fundamental to use the product correctly. Check upon receipt that the package and the product have not been damaged during transport. Take care with the electrical connections. Faults due to failure to follow the warnings of this publication are not covered by warranty.

Significant situations that need to be followed strictly are signalled by specific symbols in this manual.

4. Using the manual

This manual provides all the instructions in order to use at best Touch PRO. Since several variations are possible due to the use of one or more different peripherals, we will specify that a specific function or behaviour of the device varies according to the version.

5. Handling and unpacking

5.1 Delivery of the packaged product

Check upon receiving your product and make sure it has not been damaged during transport. Should any damage be noticed of whatever nature, contact the delivery company and immediately file a complaint.

After transport, the package must be intact, i.e., it must *not* show:

- dents, signs of knocks, deformation or rupture of the packaging.
- areas that are wet or signs which indicate that the package has been exposed to rain, frost or heat.
- signs of tampering.

Also, check that the content of the package matches to your order.

After the inspection, re-insert the device in its packaging for transportation to the place of final destination.

5.2 Handling



To prevent any damages to the machine, we recommend moving it only within its original package, using adequate handling machines. Follow carefully the handling instructions printed on the box.

We recommend:

not to drag the machine.

not to turn over or lay down the package during transportation and handling.

not to bump the machine.

not to leave the machine (even if still in the package) exposed to atmospheric agents.

5.3 Unpacking

After being tested and tooled, the machine is delivered inside a corrugated cardboard packaging, which protects it during transport and handling.

To facilitate loading/unloading the product, also by means of earth moving machines (transpallets), the box sits on an appropriate wooden pallet (up to two machine units per pallet).



Follow the instructions printed on the box when unpacking. Both the cardboard box and the pallet, comply with the standards regarding recycling and disposal (as for disposal, follow the regulations in force in your country).

5.4 Device and accessories identification

Figure 1 and Figure 2 show the identification plate and its location with all the main operating and identification features of the equipment. Particularly important is the serial number printed in the appropriate field. This number must always be mentioned when requesting assistance, spare parts, repairs or further information about the equipment.

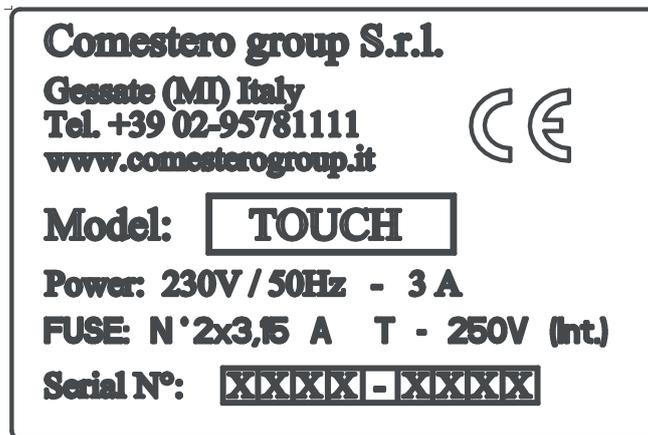


Fig. 1

Every device has one identification plates, installed on the inside wall of the cabinet, as shown in the Figures below.

This is in order to ensure that the serial number can be read even when the machine is positioned inside a cabinet or wall mounted.

EN

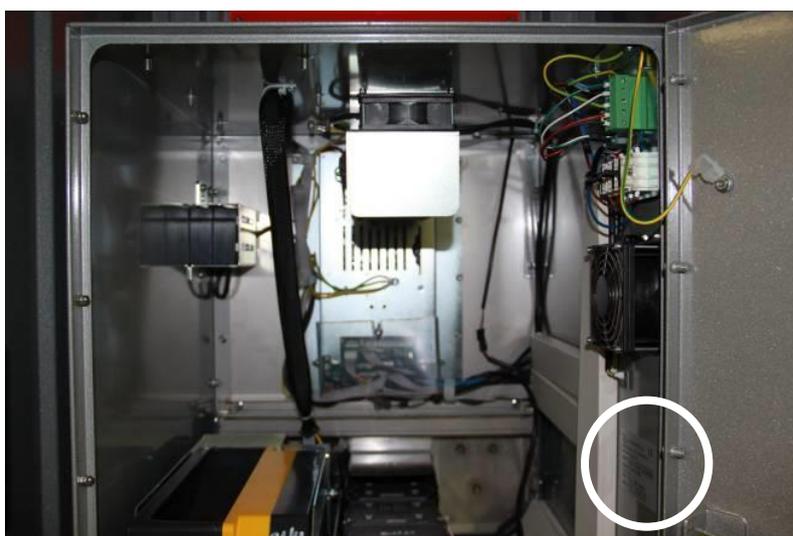


Fig. 2



The machine identification plate must be clearly readable.

Do not remove it. Do not tamper with the details shown on it.

In the event you should damage or lose the identification plate, you can request a replacement to Comestero with a new one. Please remember that the guarantee is associated with the machine identification number.

6. Installation

6.1 Clearances

The following drawing shows the dimensions of Touch PRO, in order to facilitate its placement and installation.

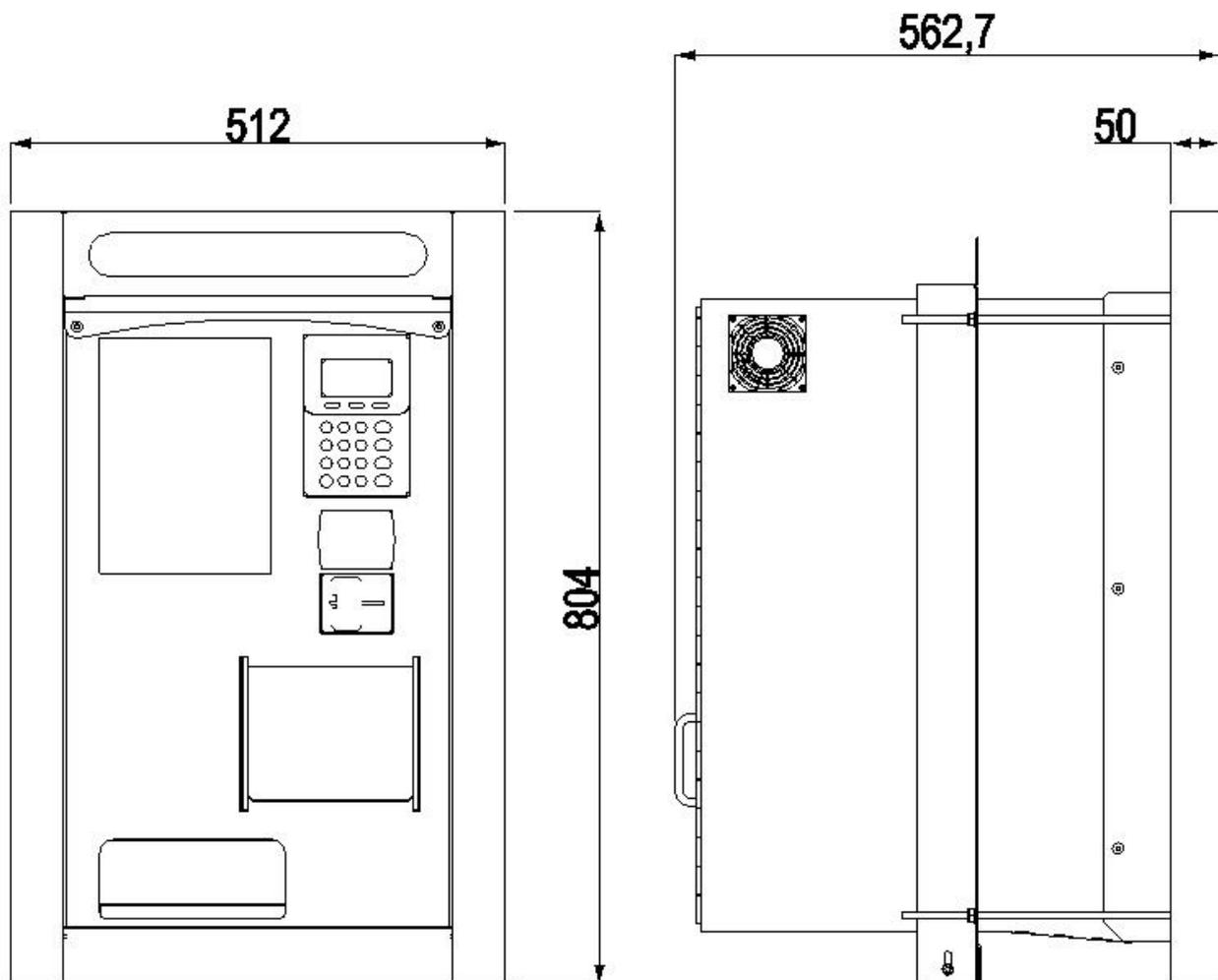


Fig. 3



To ensure better visualisation of the images, we recommend not installing the machine with the screen directly exposed to the sun when possible.

6.2 Recessed installation (with optional recessed kit)

A breach in the wall with the following dimensions is needed in order to proceed with recessed installation.

The space behind the wall, from where the interior of the machine can be accessed, must be large enough to allow opening the device rear door.

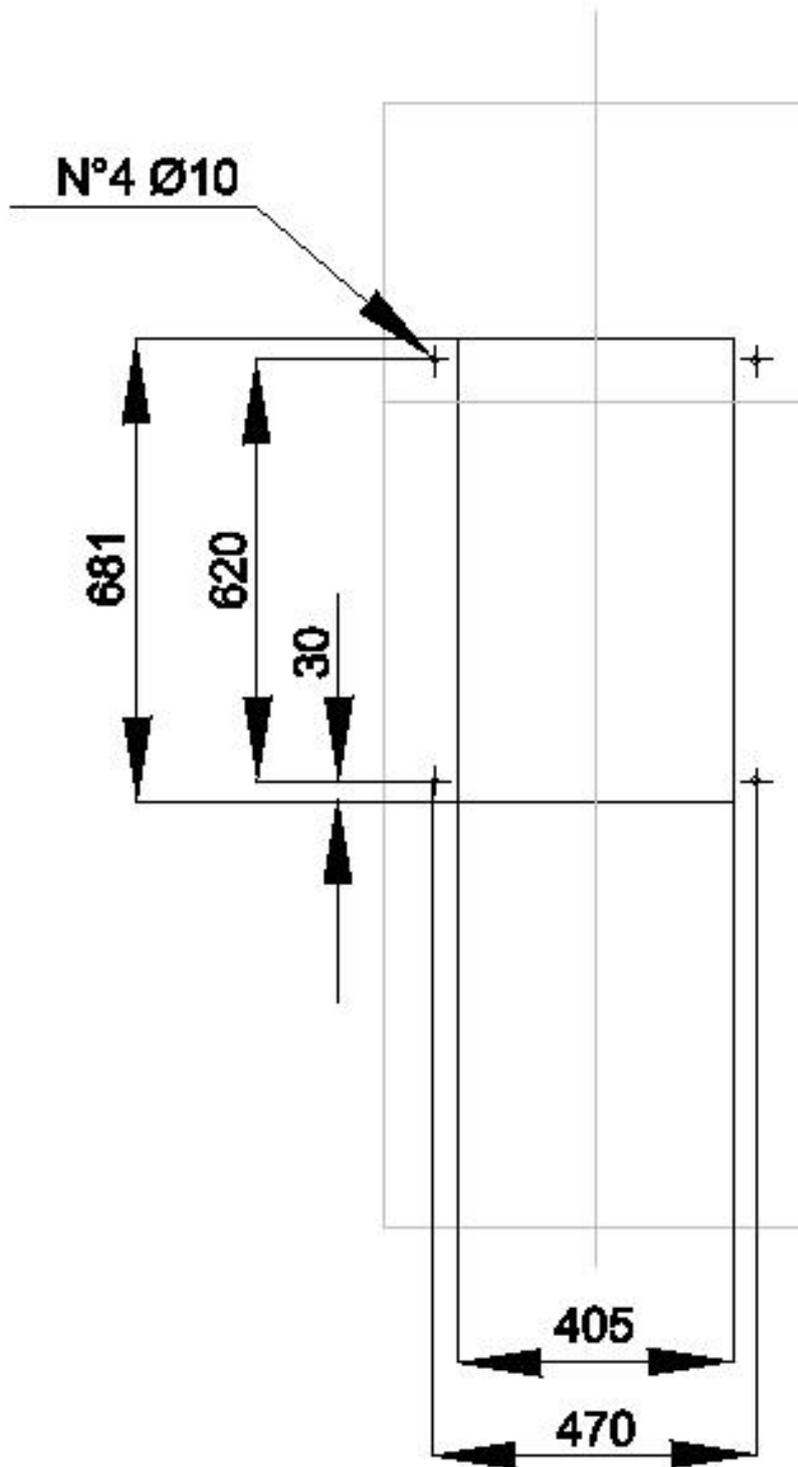


Fig. 4

6.3 Installation in a cabinet (optional)

Alternatively, in the event the recessed installation is not possible or simply to ensure greater protection in the carwash facility, Touch PRO can be installed inside a cabinet.



Before proceeding with installation, carefully read the instruction leaflet included in the optional kit packaging on how to assemble Touch PRO inside the cabinet.

The overall dimensions of the cabinet are shown below.

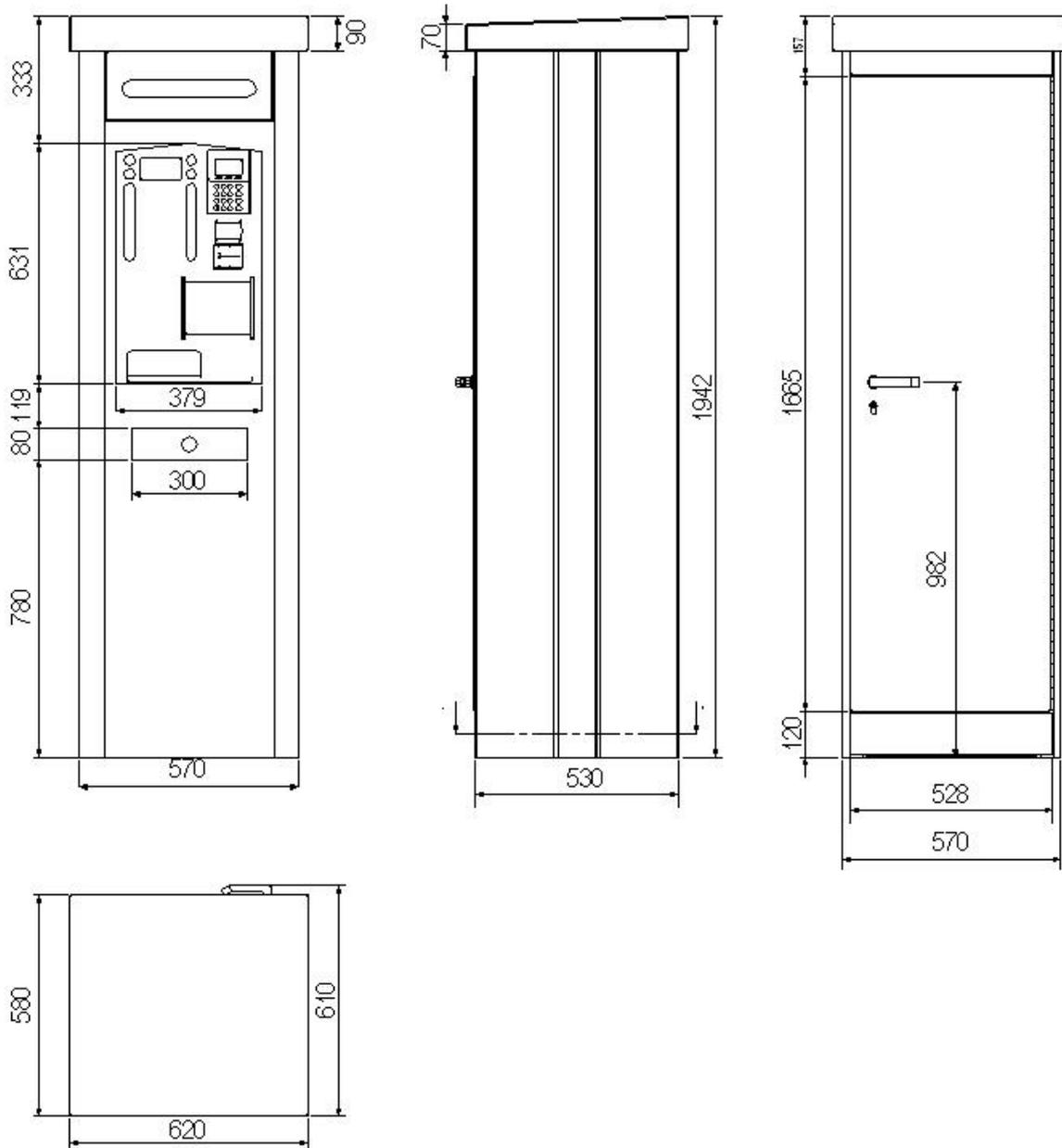


Fig. 5

Diagram A in Figure 6 shows the base of the cabinet and the measurements for correct installation by means of 14 mm diameter pins.

Diagram B shows the SETUP and overall dimensions of the cabinet cover, including the door handle.

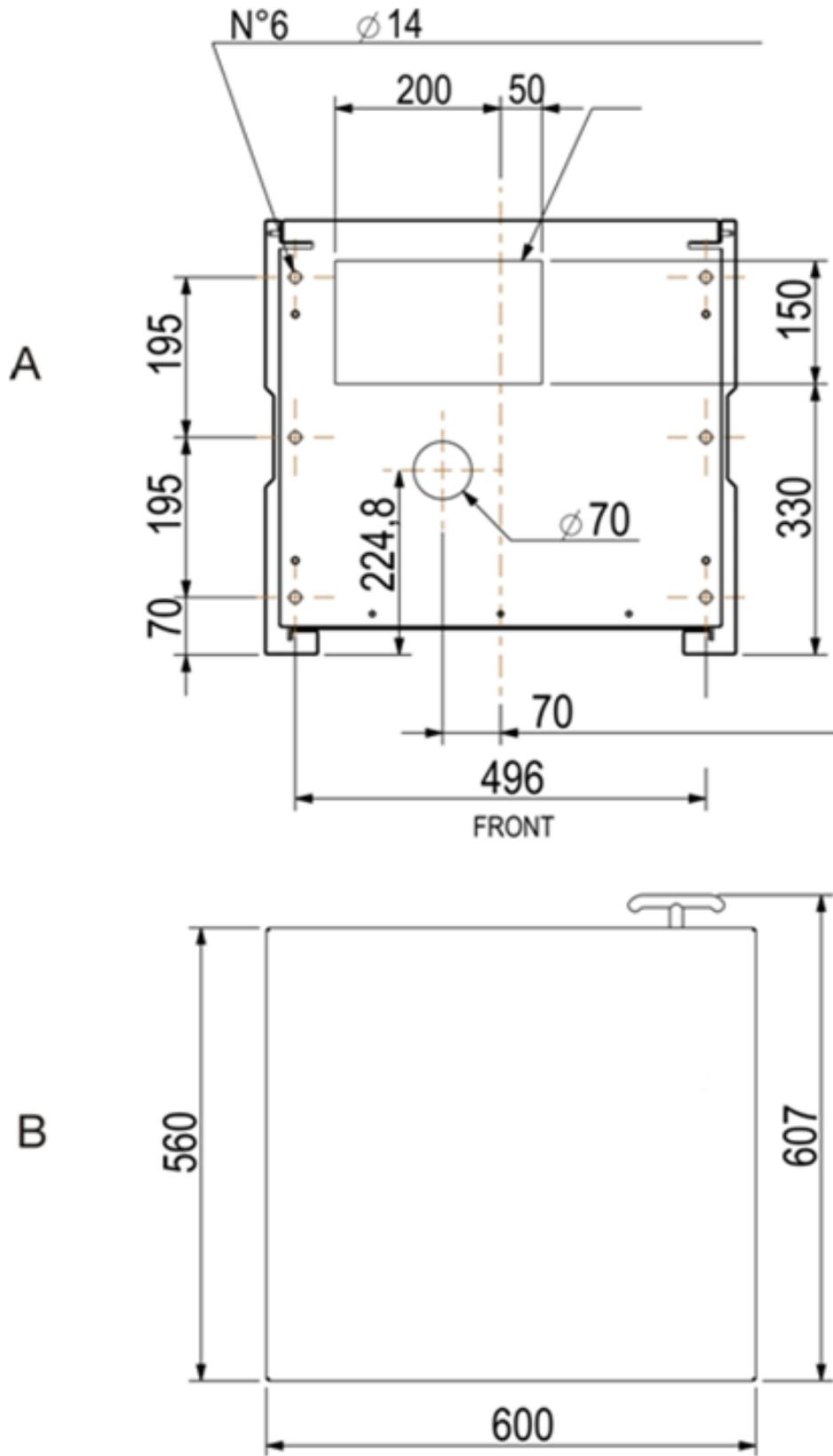


Fig. 6

6.4 Installation in an accessible cabinet (optional)

Another two types of cabinet, of reduced height, in which to install Touch PRO, are available upon request.

The overall dimensions are shown in Figure 7 and Figure 8 (Cabinet with safe version).

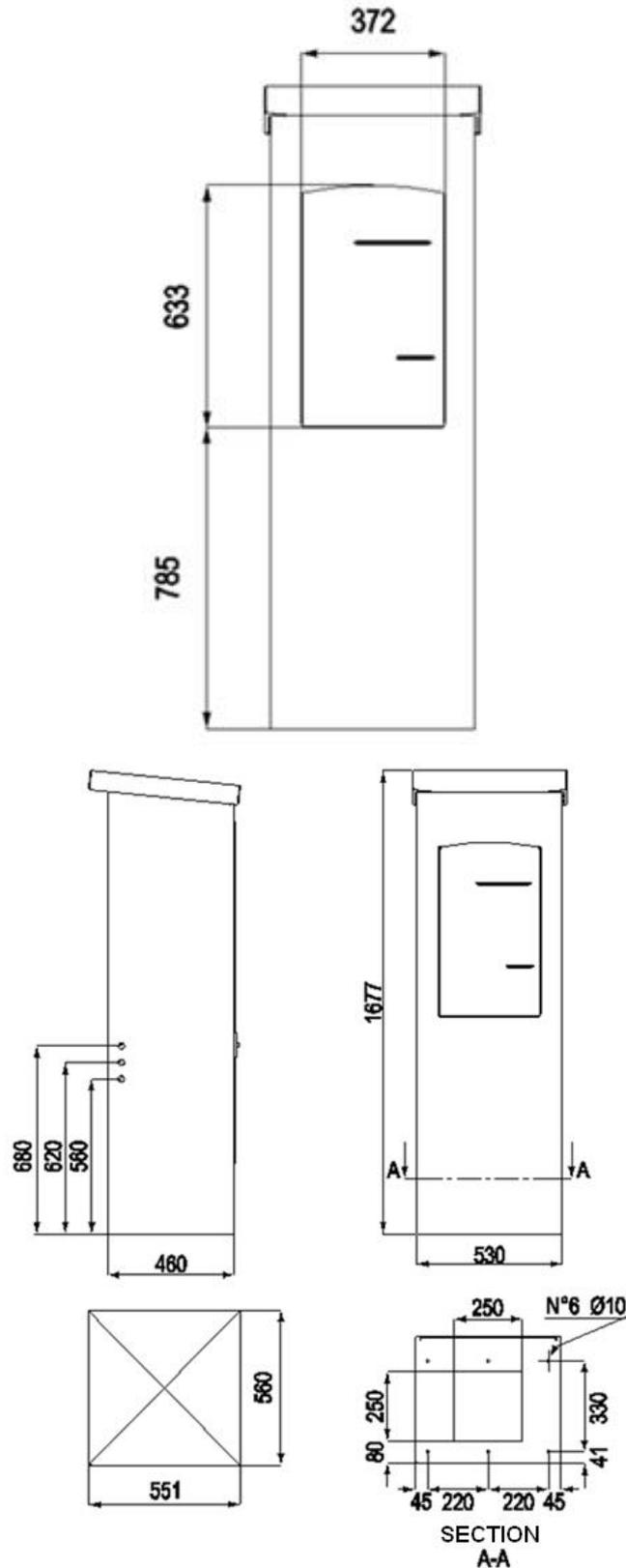


Fig. 7

Cabinet with safe version

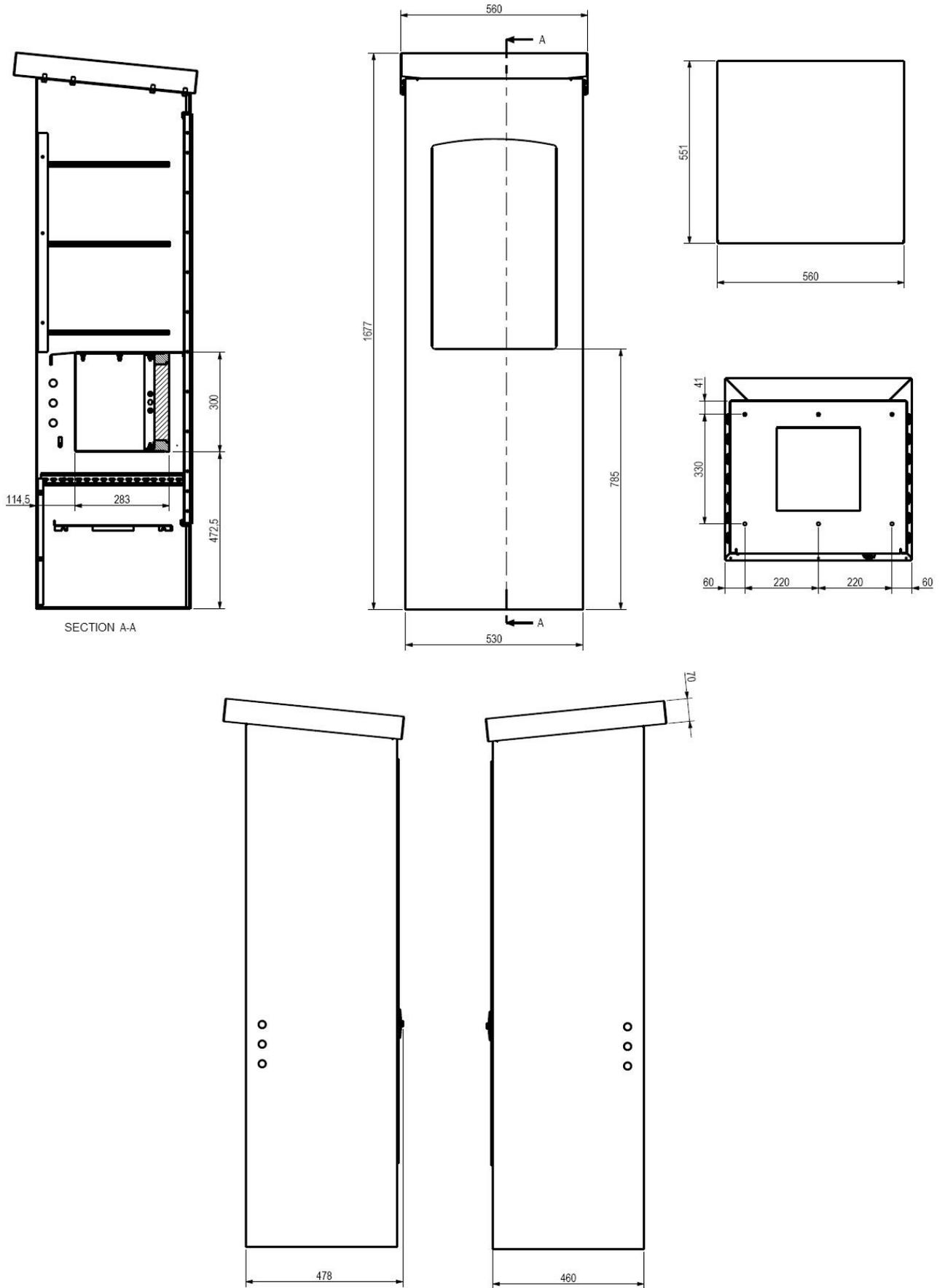


Fig. 8

7. Mechanical Setup



Design variations are distinguished, internally, by the combination of installed peripheral devices and their position and, externally, by the position of the payment devices.

The operation, as the setup procedures, do not vary.

7.1 Peripheral options

Touch PRO allows for numerous setup options according to customer requirements.

7.1.1 Hoppers

The hoppers are placed as shown in Figure 9. In Touch PRO it's possible to have no hopper (A), one hopper (B) or both of two hoppers (C).

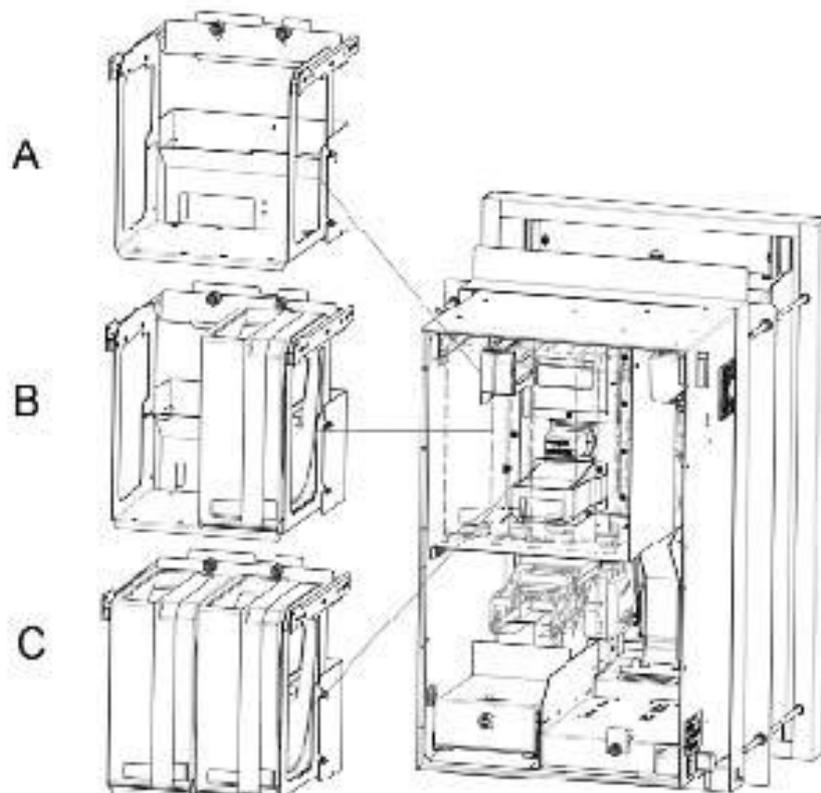


Fig. 9

7.1.2 Payment systems

Figure 10 shows the front panel of Touch PRO. Different combinations of the various installable payment peripherals are possible. The following Figure shows the peripherals that can be installed and where they are physically located on the front panel.

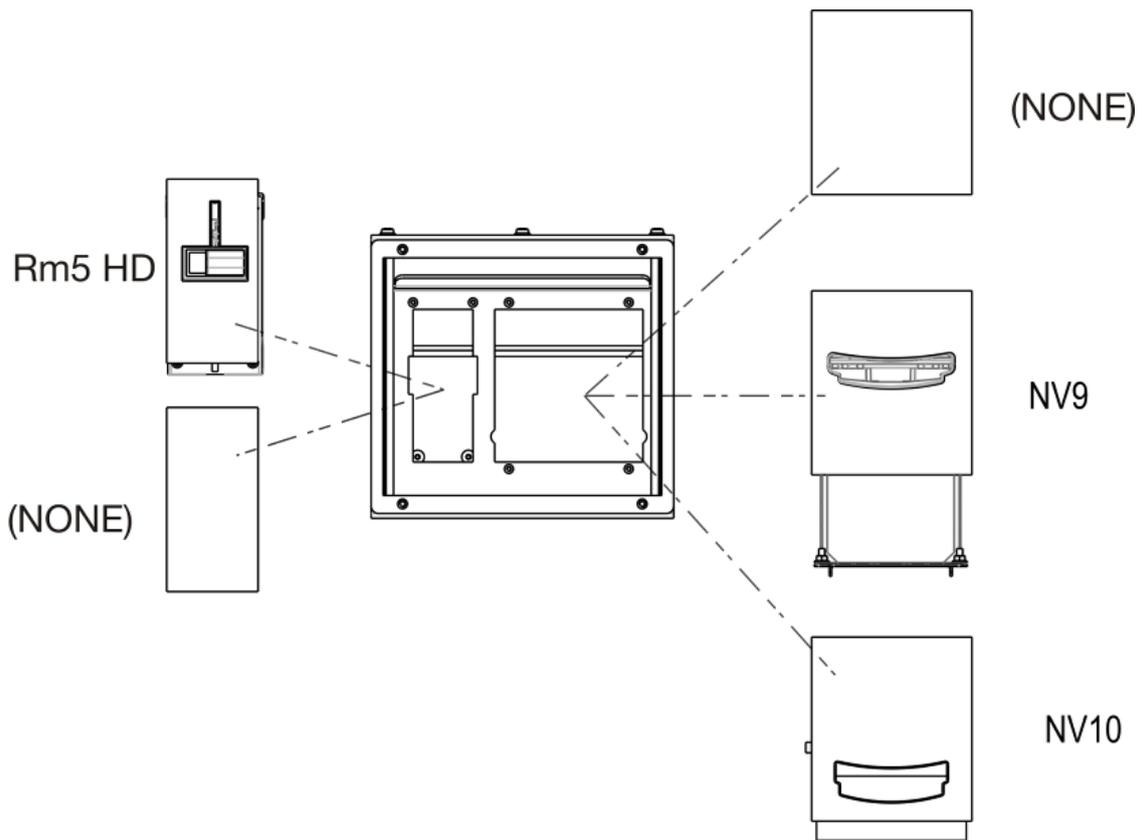


Fig. 10

The POS is an optional device and can be installed upon customer request. In the event it is not present, will be mount in place of it a stainless steel plate.

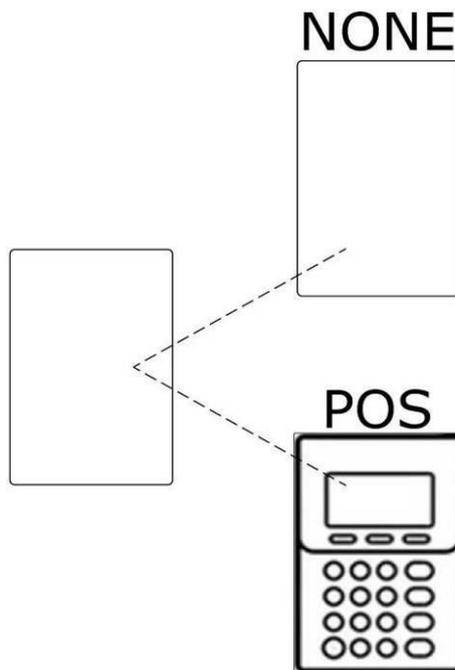


Fig. 11

The cashless devices can be installed under the POS, as shown in the following Figure 12.

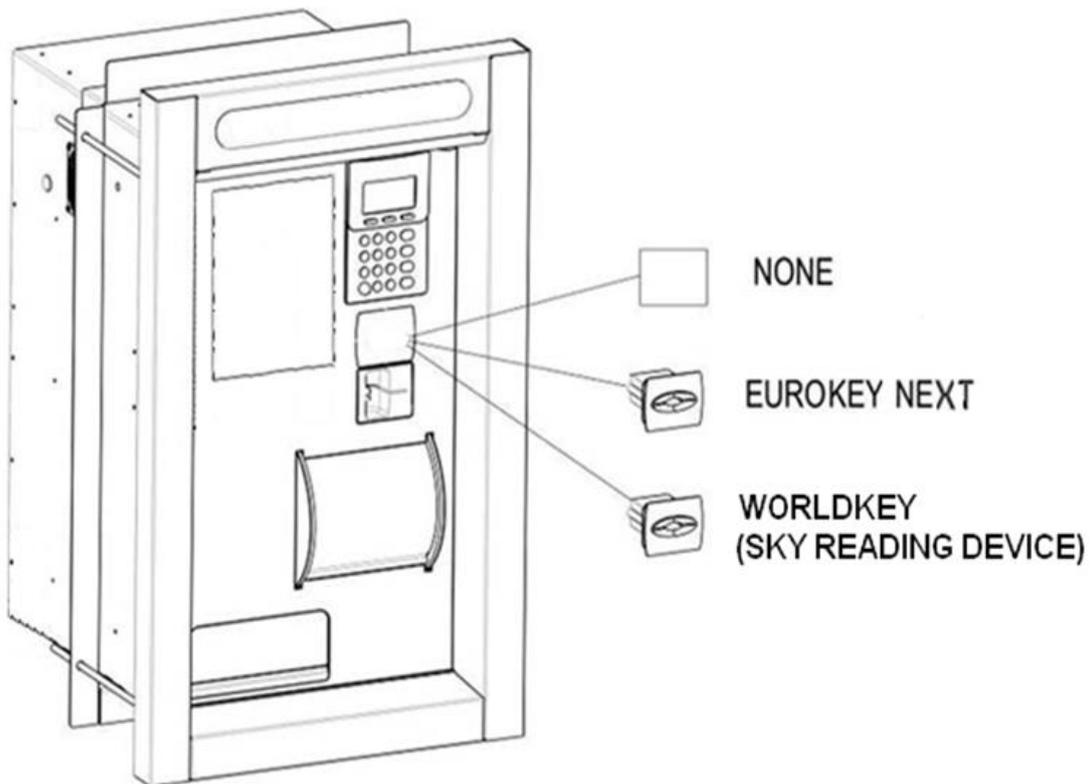


Fig. 12

7.1.3 Dispensers

Only one cashless key or card dispenser can be installed on the Touch PRO machine, as shown in Figure 13 below. The following drawing shows their position.

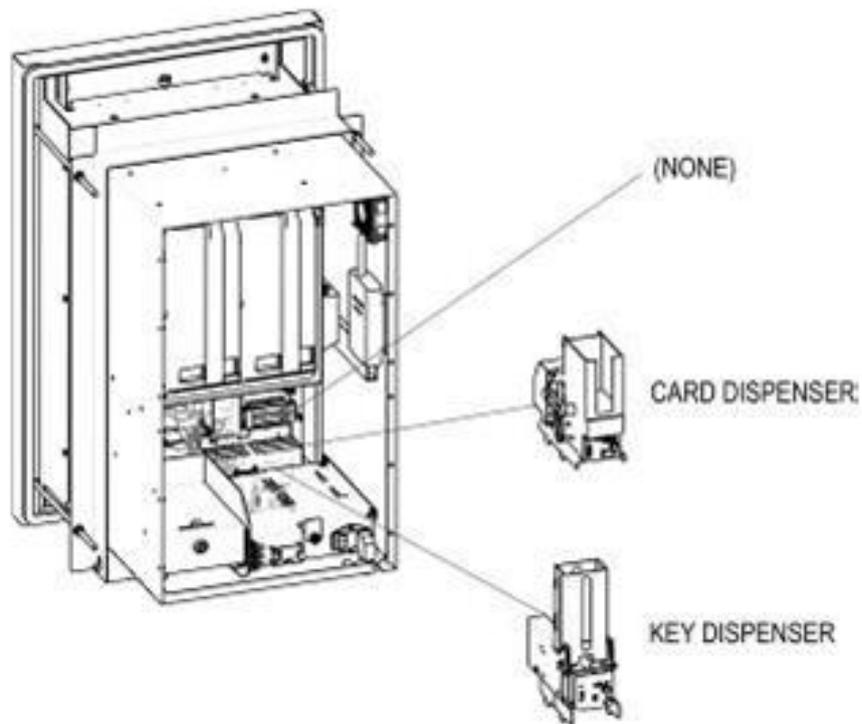


Fig.13

7.1.4 Door opening

To facilitate various installation requirements, Touch PRO is available with three types of door opening: left opening (A), right opening (B) and removable door (C).

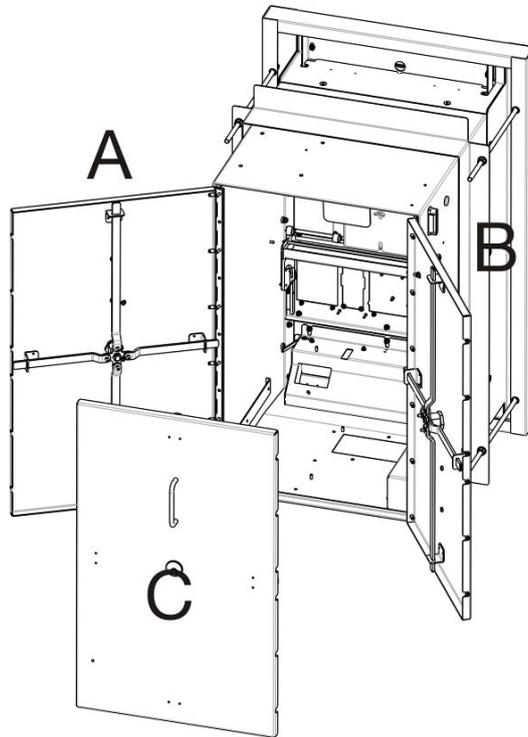


Fig. 14

8. Connections

8.1 Mains connections



All the electric connections of the machine have been installed except for the power supply. Before connecting to the mains, make sure the main switch of the machine, located on the bottom on the right inside the machine, is on "0".

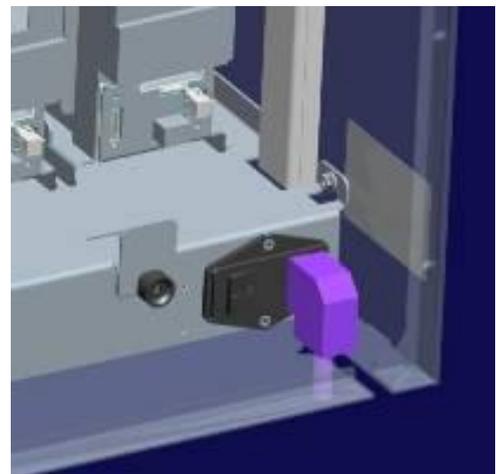


Fig. 15



Check that the power socket to which the machine is going to be connected has an electrical rating suitable to the machine and that it is protected by a residual current device with suitable rating.

This switch must ensure mains disconnection with an opening distance of the contacts that allows for full disconnection under the conditions of overvoltage category III.

This disconnect device must be easily accessed.



Refer to the specific standards regarding protection against electric contacts, in order to perform installation.

USE A SELF-EXTINGUISHING CABLE !!!

Use the angled connector IEC provided to connect the machine to the mains (Figure 16).



Fig. 16



Fig. 17

Touch PRO is equipped with an uninterruptible power supply which protects it electronically from micro-interruptions and allows it to finish an already-started transaction before shutting down completely in the event of a prolonged power outage (the machine will restart automatically).

Connect the 3 cables available in Touch PRO (1 USB + 2 power cables) to the UPS as shown in Figure 17.



Do not use the UPS switch, to switch OFF the machine.

Do not connect anything besides the machine to the UPS.

The first time it is used, the UPS must be started up manually as indicated here on the right in Figure 18.

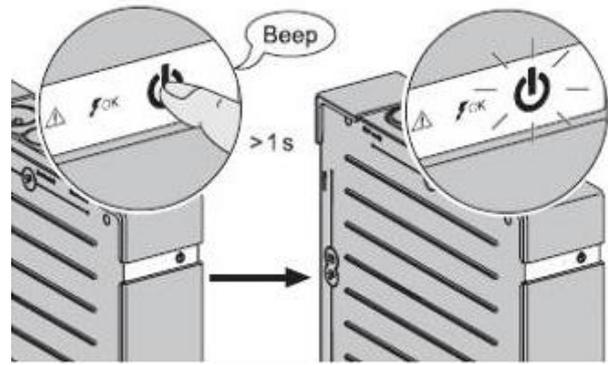


Fig. 18

8.2 Fuses

There are 4 fuses to protect the different Touch PRO power supplies:

1. N°2 3.15A fuses installed on the master switch block.
2. N°1 2.5A fuse to protect 12V power supply.
3. N°1 2.5A fuse to protect 24V power supply.

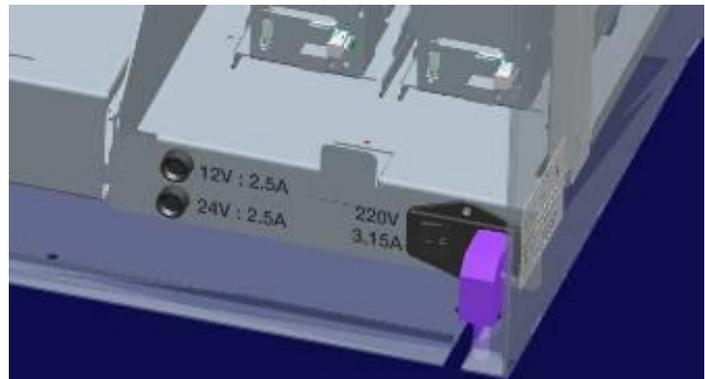


Fig. 19

8.3 Connecting the MaxiBio board

Touch PRO makes use of **Maxibio** electronic boards to interface with automatic washing machines. Touch PRO requires just one board to manage up to 8 wash programs or services.

To connect Touch PRO to the **Maxibio** board, insert the standard RS485 cable (Code : 1066-40-0065-B) into the **Prot** board, located on the back of the device (Figure 20).

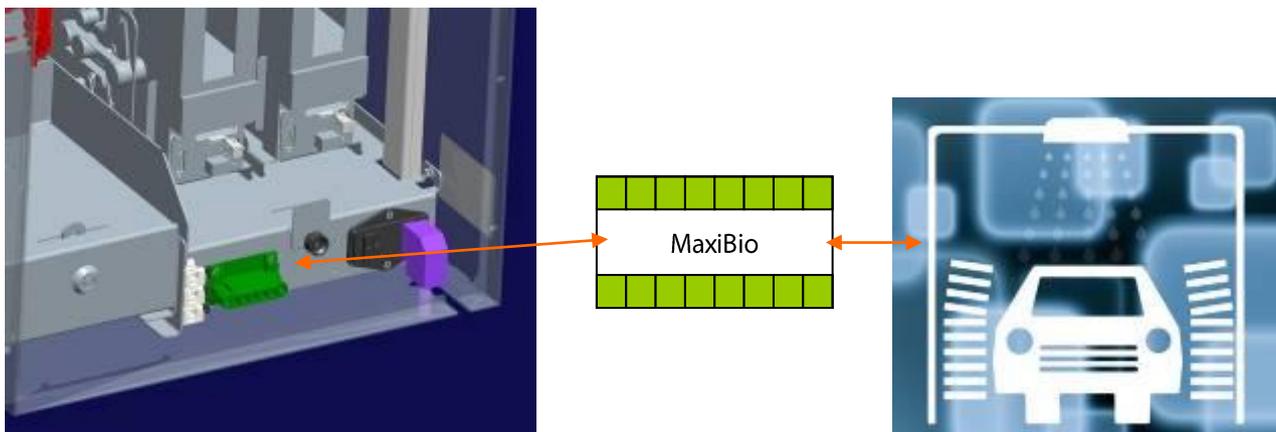


Fig. 20



The following diagram shows a MaxiBio board (Figure 21 and 22). The board has 8 output terminals (Cn2÷Cn16), 8 input terminals (a÷h), one 24 VDC \pm 20% low voltage power supply terminal and one input for connection to Touch PRO (Standard RS485).

Connect the MaxiBio board to the equipment as shown here below. Connect the input and output signals to the MaxiBio referring to the diagrams in the following pages. Every output terminal has 3 contacts (relays): one on the right (NO), one in the centre (common) and one on the left (NC). To configure the outputs, refer to the "Outputs/Inputs" paragraph later in this manual. To configure the inputs, refer to the "Outputs/Inputs" paragraph later in this manual.

EN

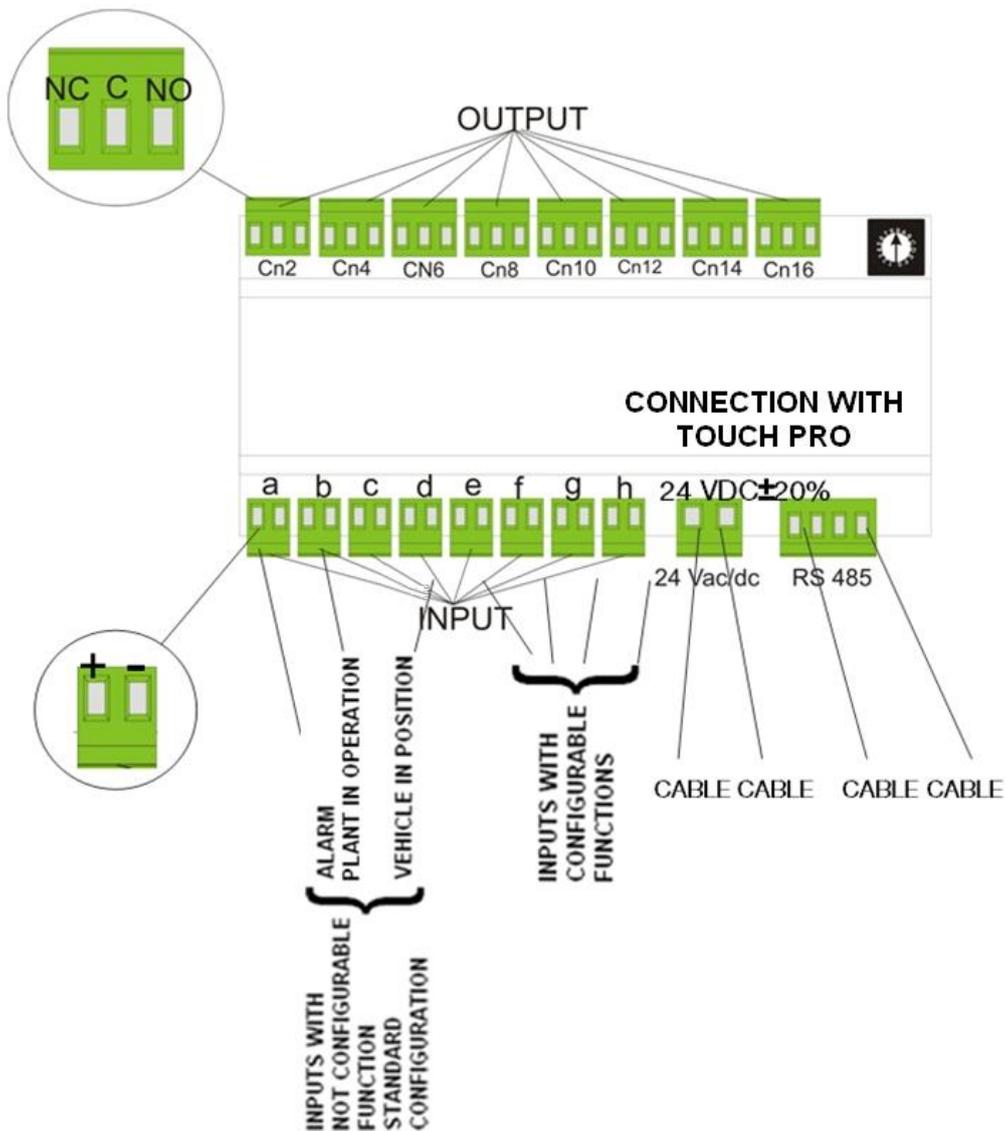


Fig. 21



Fig. 22

INPUTS	OUTPUTS
<p>a: Alarm</p> <p>b: Plant in operation</p> <p>c: not managed by the machine</p> <p>d: Vehicle in position</p> <p>e: Gp input 1</p> <p>f: Gp input 2</p> <p>g: Gp input 3</p> <p>h: Gp input 4</p> <p style="text-align: center;">Standard Version</p>	<p>Cn2: Program 1</p> <p>Cn4: Program 2</p> <p>Cn6: Program 3</p> <p>Cn8: Program 4</p> <p>Cn10: Program 5</p> <p>Cn12: Program 6</p> <p>Cn14: Program 7</p> <p>Cn16: Coins and Banknotes Vacuum</p>

8.3.1 How to manage the opening door switch



This section provides all the useful information to connect to the board all the wiring needed to manage the switches used to open and close the car wash door.

For any further information, please contact our customer service at the following phone number: (+39) 02 95781111.

Additional information are also available on our Comestero website : <http://eu-en.suzohapp.com/cms/ENG/online-support.html>

In order to correctly manage the switches, used to open or close the car wash system door, you need to connect the "door contact" on the MaxiBio board. Upon purchase of the machine, this "connection" is already made by default. In the event it is not connected, please connect the blue and brown wires of the door button cable, marked with the letters B and C, on the pin terminal as you can see in the Figure 23 here below.

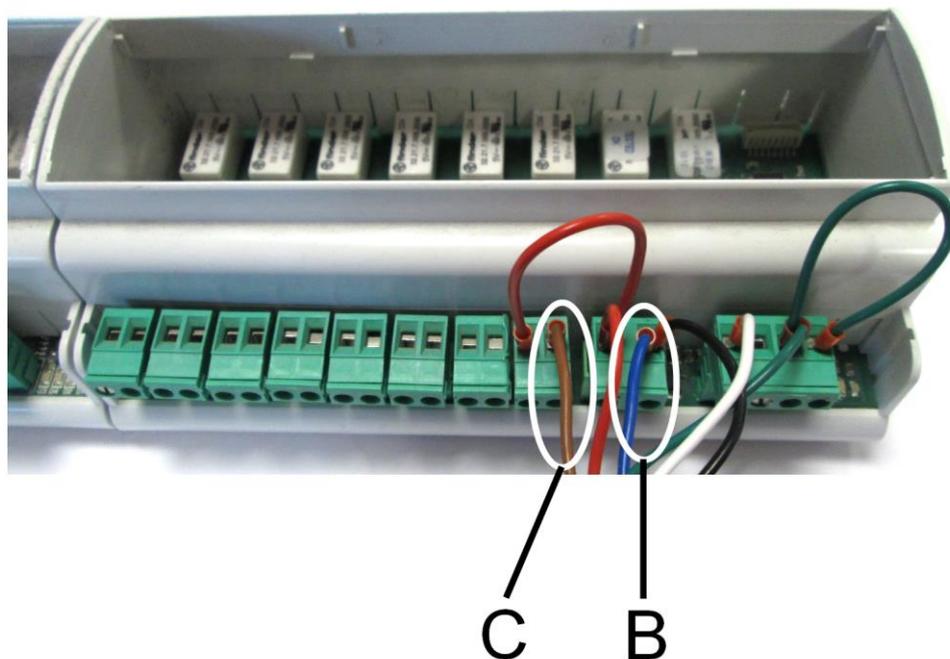


Fig. 23

Connect the B and C wires, shown in Figure 24 below, and located on the other end of the door button/RS 485 ADVANCE TOUCH (Cod. 1066-40-0113-B) cable, to the switches used to open the door onboard of your car wash system and located on the forecourt.

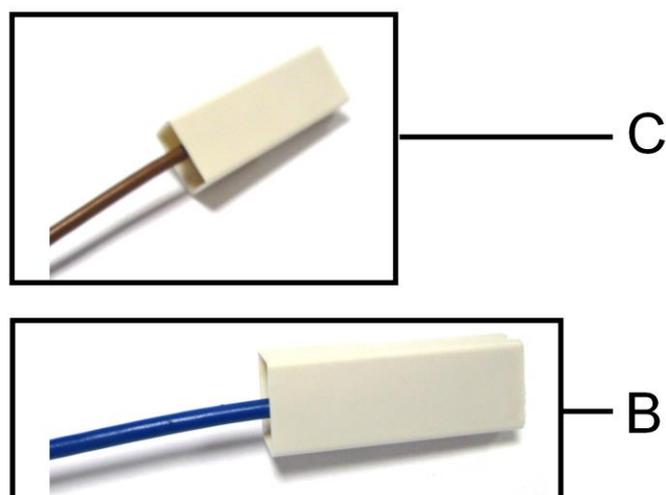


Fig. 24

The switch used to open the door has two identical contacts (left and right side). You can use one or the other indifferently.

ATTENTION :

connect the two female faston of Figure 24 above to the two male faston B and C of the switch located on the machine and shown in Figure 25 below.

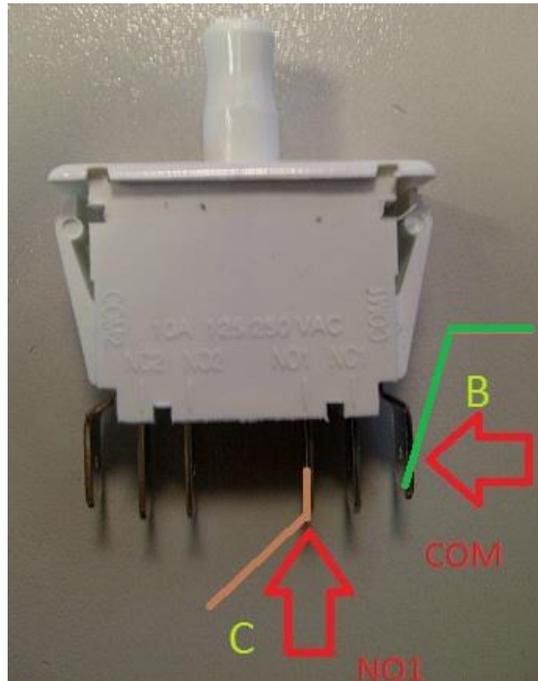


Fig. 25

8.3.2 Outputs/Inputs

Depending on the number of programs to use and the type of gantry to pilot, link the MaxiBio tab to the wash installation following the instructions provided by the machine configuration menu (MaxiBio configuration page).

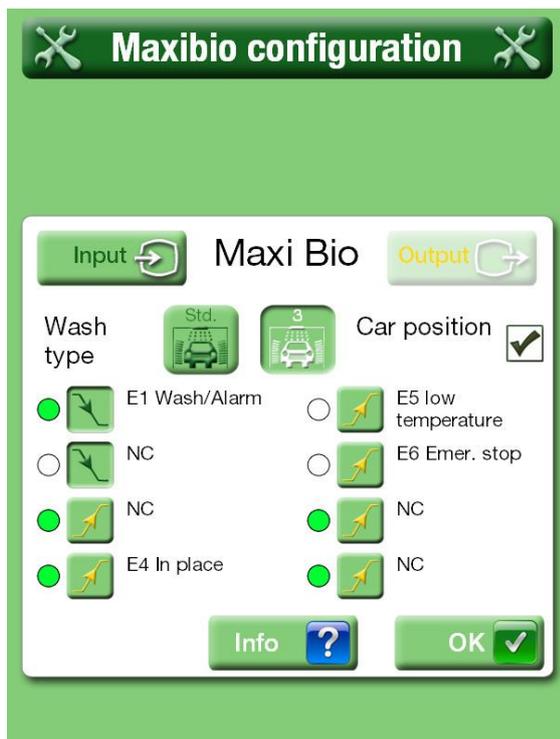


Fig. 26

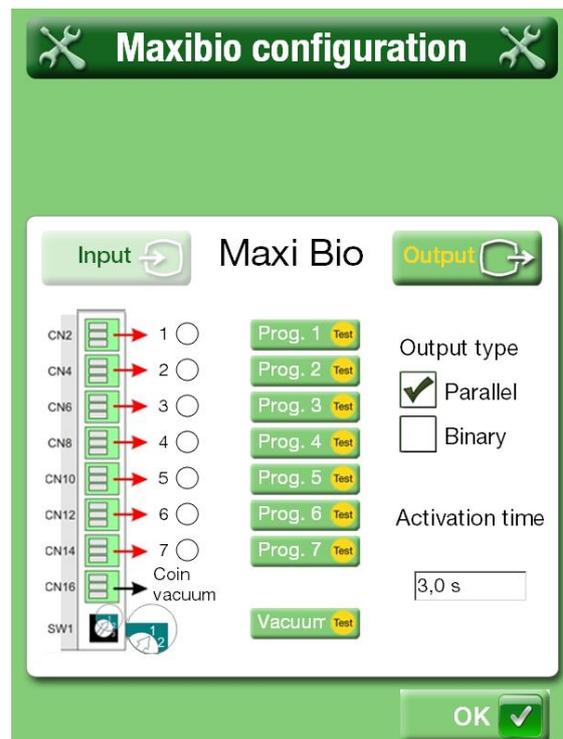


Fig. 27

Press the **Info**  button to have information about single inputs and/or outputs of the MaxiBio board.

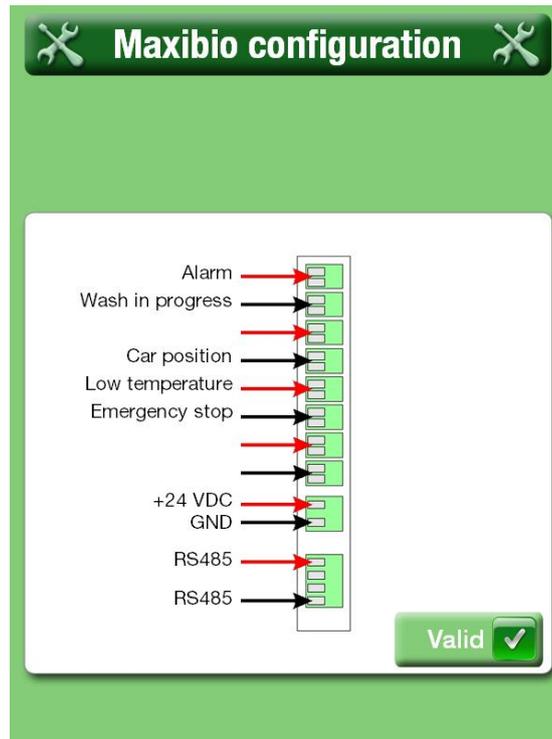


Fig. 28

8.4 How to connect to an ethernet network

To exploit Touch PRO to its fullest potential, it is advisable to connect the machine to the internet network via an ethernet cable. Connect an ethernet cable, of at least category 5^a, to the port located directly on the PC under the hopper support.

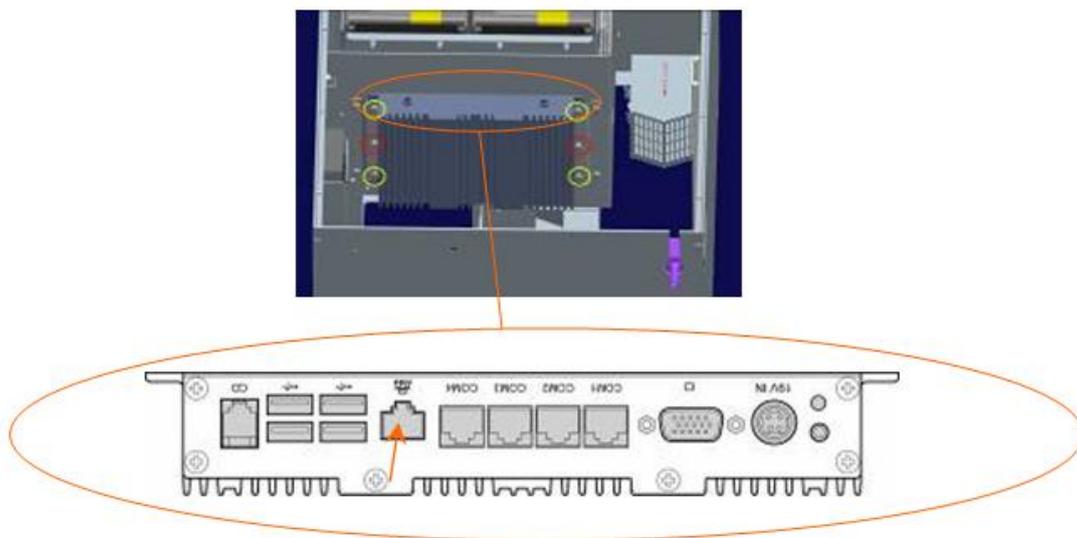


Fig. 29



If there is an IP POS already installed on the machine, 2 ethernet connections are necessary. In this case, there is a 4-port ethernet switch available on the right side of the hopper support.

9. Machine operation

9.1 Introduction

The Touch PRO user interface consists in a touch screen display. The user is invited to touch the screen to be guided by the instructions that appear on the display. To select the language, simply touch one of the flags in the upper right hand corner of the touch screen display (Figure 30). When a customer touches the screen or place a promotional bar code in front of the scanner, the machine enters into the “sales cycle”.



Fig. 30

9.2 Sales cycle

9.2.1 Positioning the vehicle

This screen is optional and can be activated or deactivated by the manager (see configuration menu). If the machine is connected to a vehicle presence detection sensor, this screen is displayed only when no vehicle presence is detected. Instead, if the machine is not connected to a vehicle presence detection sensor, the customer is asked to confirm that the vehicle is positioned correctly to continue the sales cycle.

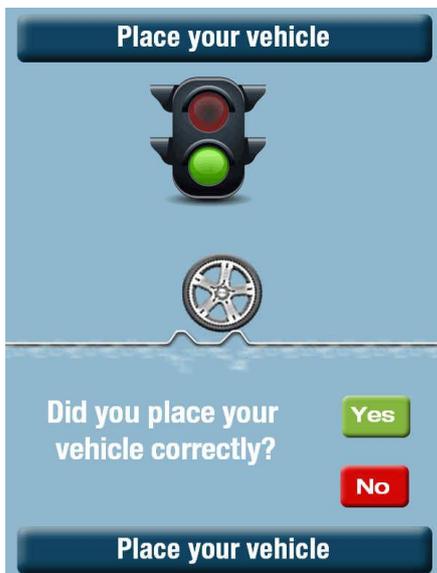


Fig. 31

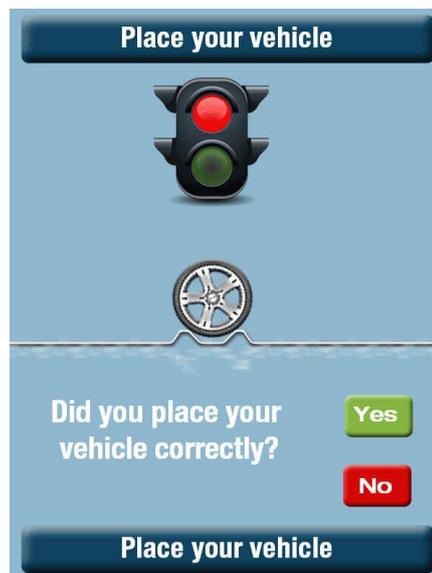


Fig. 32

EN

9.2.2 Choose a program

At this point, the available programs for purchase are displayed on the screen. Each button shows the name of the program, its description and its price. If a customer inserts its key or card, the prices are updated to show the rates for purchases with key or card (if different) and the remaining credit on the key or card. If a customer inserts the credit card and some programs are not available for this payment type (such as amount too low, etc...), they are marked with specific icons. If a customer scans a promotional bar code, the amount assigned to the code is shown at the bottom of the screen.

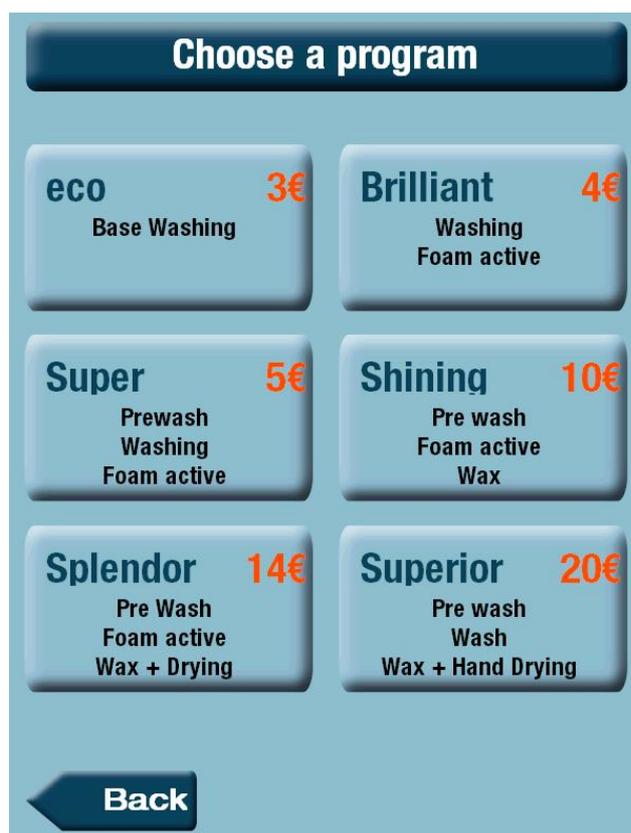


Fig. 33

9.2.3 Superior program offer

This screen is optional and can be activated or deactivated by the manager (see configuration menu).

The customer is automatically offered the option to buy the program with the price just above the current one, with the indication of the difference in the amount to pay.

The customer can move to the next screen by answering the question.



Fig. 34

9.2.4 Additional product sale offer

This screen is optional and can be activated or deactivated by the manager (see configuration menu). This screen is not displayed if the machine is not equipped with a dispenser or if the dispenser is empty. The customer is offered the option to purchase one or more tokens, a key or a card or a mix (tokens/keys, tokens/card), depending on the devices installed. If the machine is equipped only with one hopper, select the number of tokens and then move directly to the next page. If the machine proposes a mix (tokens/keys, tokens/card), select the desired product/s and touch the "Next" button. If you do not wish to purchase anything, touch the "Next" button.



Fig. 35

9.2.5 Payment

Both the total amount and the amount left to pay are displayed. All the information necessary to the customer appears on this screen (payment with credit card unavailable, change unavailable, insufficient key credit). If the machine cannot give change in coins, the notes, that are more than the purchase amount, are not accepted (for example : if you have to pay an amount of 12€, a 20€ banknote is rejected, while 5€ and 10€ banknotes are accepted).



Fig. 36

If the customer inserts the credit card, he/she is asked to follow the instruction on the POS screen. If there is a problem with coin change, or in the event the customer cancels a cash payment in progress, a specific screen appears and a refund receipt is automatically printed.



Fig. 37

9.2.6 Receipt printing

A copy of the receipt is displayed on the screen with a request to confirm the print. If the customer does not respond, the receipt is not printed and the machine automatically moves to the next screen after 20 seconds. For every service purchased, it is possible to offer a promotional bar code with a discount for future purchases. If the option is activated and the customer “has won” a receipt with a discount, the amount flashes on the screen in red for a better visibility of the bonus offered.



Fig. 38

9.2.7 Wash start

Once the program has been paid, it starts. During the entire washing program, advertising videos, or images sequences, are shown on the machine display. In addition, the customer is offered the chance to register in order to take advantage from any promotions (in this case, a “.csv” file is generated and archived in the machine; see the “Account history” section to know how to export it).



Fig. 39

9.2.8 Advertising during washing

There are some default files in the device to cyclically show advertising messages. These files can be personalised by inserting a USB flash drive into the USB port installed behind the PC inside the machine.

All compatible files contained on the USB flash drive are shown on the screen. When copied into the machine they will be shown cyclically.

The only compatible file formats are:

- Images : jpeg, bmp,gif.

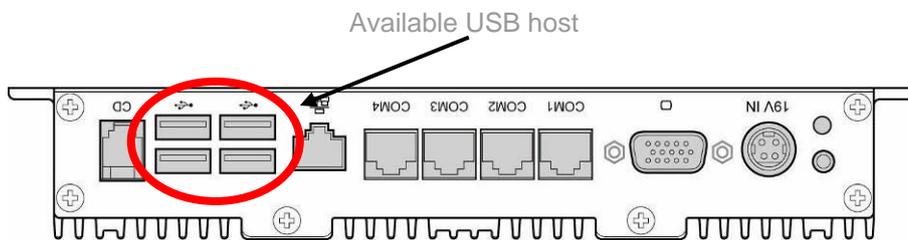


Fig. 40

EN

10. How to access the configuration function

10.1 Introduction

The Touch PRO configuration functions are included in the machine and are protected by a password that authorizes different operations. No external instruments or devices are needed to access the configuration functions. In fact, a virtual keyboard integrated in the machine is used and appears when you need to enter data. There are different ways to access the configuration menu :

Passing the QR Code, provided with the machine (see “Bar code scanning” chapter to create a personalised one), in front of the bar code scanner.

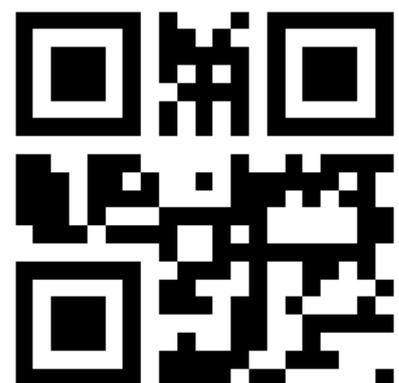


Fig. 41

- Connecting a keyboard to the machine (USB port available behind the PC inside the machine and located under the hopper support) and pressing the F2 key.
- Connecting to the machine via remote access and pressing the F2 key.

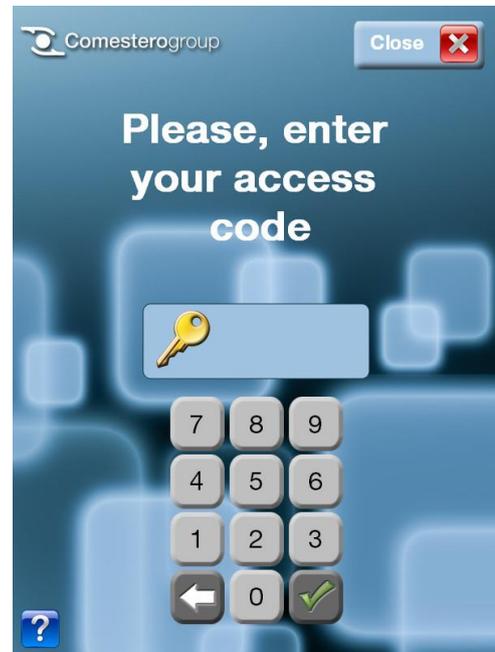


Fig. 42

Once you have placed the QR Code in front of the reader, or after you have pressed the F2 key on the external keyboard, you must enter the password to access the configuration, accounting and other functions, based on the permissions assigned. When the machine leaves the factory, the password is set by default to 0000. It is highly recommended to replace it before exposing the machine to the public.



The help key, located on the bottom left corner of the screen, displays a master code to use if you lost the password. Please communicate this code, to the Comestero technical support, in order to have a new access code.



Once the password has been entered, the configuration menu is displayed with all the authorizations activated. Touch, or click, on the buttons (only if an external keyboard is installed or for remote PC configuration) to access the corresponding functions :

- "POS history" (for details see paragraph 11.5).
- "Account history" (for details see paragraph 11.4).
- "Customers" (for details see paragraph 11.6).
- "Setup" (for details see paragraph 10.2).



Fig. 43

10.2 Setup (Machine configuration)

The home page of the configuration menu shows the active configuration on the machine and indicates the status of each component. If the machine is new and not yet configured, the main table is empty.

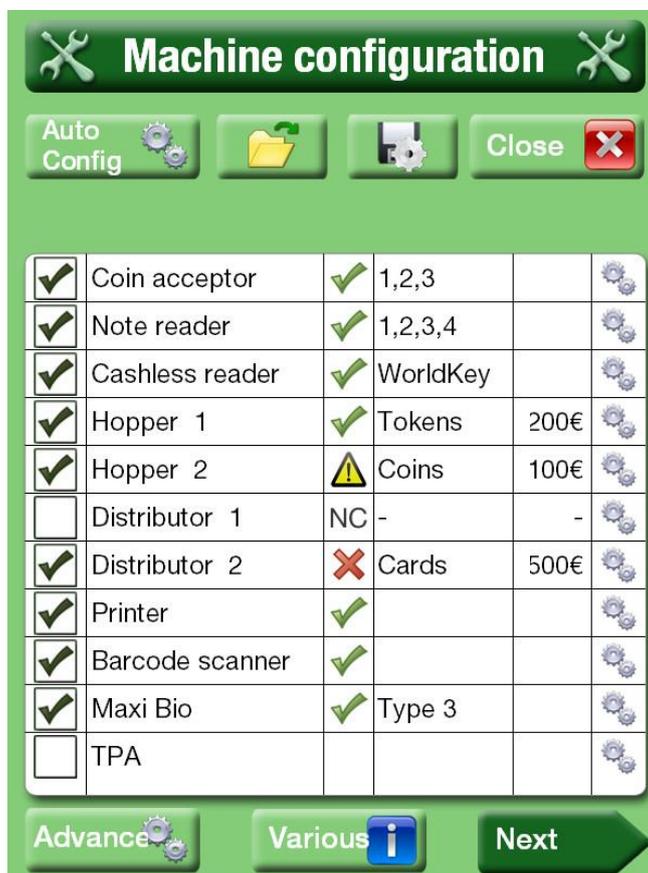


Fig. 44

10.2.1 Upper toolbar



The upper toolbar allows you to perform the following operations (from left to right):



Through the "Auto Configur" button you can launch the automatic configuration. The machine detects every component installed and proposes a series of pages in which you can set the related parameters (you cannot go back or cancel the already implemented settings).



Through the button you can see here on the left, you can open a memorised configuration, for example when you need to import it (in this case, the system asks the path to open the file).



Through the button you can see here on the left, you can save the changes made.



Through the button “Cancel”, you can close the configuration menu (the machine automatically goes back to the user interface).

10.2.2 Main Table

The central table of the machine configuration screen, is composed in the following way :

<input checked="" type="checkbox"/>	A
<input checked="" type="checkbox"/>	L
<input checked="" type="checkbox"/>	L
<input checked="" type="checkbox"/>	F
<input type="checkbox"/>	F
<input type="checkbox"/>	

The first column shown here on the left, allows you to force activation or deactivation of a related component.

<input checked="" type="checkbox"/>	Coin acceptor
<input checked="" type="checkbox"/>	Note reader
<input checked="" type="checkbox"/>	Cashless reader
<input checked="" type="checkbox"/>	Hopper 1
<input checked="" type="checkbox"/>	Hopper 2

The second column you can see here on the left, shows the component type.

<input checked="" type="checkbox"/>	V
<input checked="" type="checkbox"/>	M
1 <input checked="" type="checkbox"/>	K
2 <input checked="" type="checkbox"/>	K
NC	

The third column you can see here on the left, shows the component status.



Normal functioning.



Minor failure (for example, empty hopper).



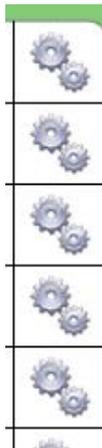
Component declared in the configuration, but not detected.

NC

Component not declared in the configuration.

▶ 1,2,15	
▶ 1,2,3	
▶ EuroKey	
▾ Monete	1€
) -	-

The fourth and fifth columns you can see here on the left, provide additional details on the component (for example, the type and value of products dispensed for the hopper, activated channels for the coin acceptor).



The sixth column you can see here on the left, allows you to access the parameter settings page for the specific parameters of each component.

10.2.3 Lower toolbar



The lower toolbar allows you to access advanced specific functions and to set all the machine administrative parameters (from left to right) :



Through the "Advance" button you can access the machine advanced menu (you need the administrator password).



Through the “Various” button you can access the specific parameter settings menu (for example password, hours of operation, sending e-mails, etc...).



Touch, or click, the “Next” button to enter the user interface configuration menus (for example display menu, names and prices of the programs, additional sales, etc...).

10.3 Customer interface configuration



To display the next page, touch, or click, on the  button located in the lower right hand corner of the home page. In addition to the specific options, for each screen you will be asked :

- whether or not to activate the screen display  Page activated
- whether or not to activate the audio guide 

10.3.1 Vehicle position

This screen is only displayed if no vehicle positioning sensor is connected. If the “Place your vehicle” screen is activated, the user is asked to answer the question “Have you correctly positioned your vehicle?”. If the answer is “Yes”, the user can access a list of programs. If the user answers “No”, the screen goes back to the home page.



Fig. 45

Touch, or click, on the “Next” button.



10.3.2 Choose a program

This screen allows you to define all the information regarding the washing programs.

It also allows you to define the maximum number of programs proposed to the customer (6 or 8, changing by ticking the box in the upper left hand corner of the screen).

You can define the program buttons you wish to activate or deactivate (only the active buttons are proposed to the customer).

To edit a program, you must activate it by touching, or clicking, on its button.

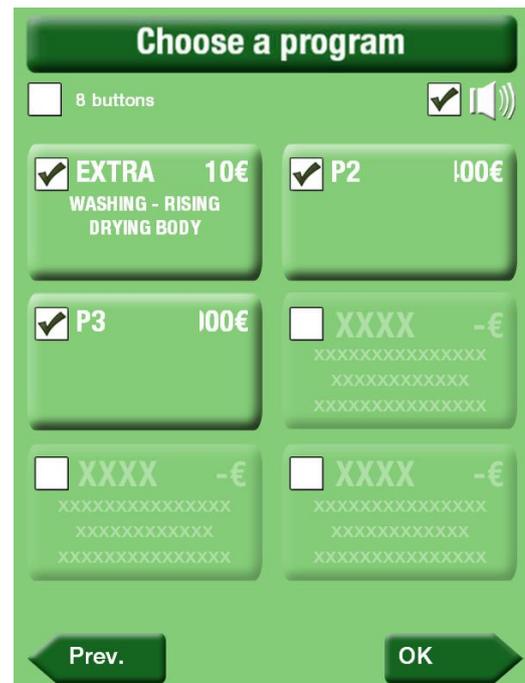


Fig. 46

Activating and then touching, or clicking, on the button of the program, you can edit several options of the program. That is you can edit the :

- Name : it's the name of the washing program.
- Description : you can type using 3 lines (2 lines if the 8 programs option has been selected) a brief description of the washing program in.
- Cash: you can type a sale price in cash, in your currency, of the washing program.
- Cashless : you can type a sale price, in your currency, of the washing program when the customer uses a key or a card.
- Promotional ticket : you can tick or tick off if you want to print or not, a promotional bar code on the receipt after the program has been purchased (if the option is activated, the discount amount must be defined).
- Free tokens with cash : you can flag this option to dispense some free tokens with the program.
- Output to use : it is the exit to activate in the MaxiBio board.



Fig. 47

Once these parameters have been defined, please confirm touching, or clicking, on "OK" button to go back. The previously defined button, will be displayed in the user interface like the example here on the right.



EN

Touch, or click, the “OK” button, located in the lower right corner, to confirm changes and go to the next page.



10.3.3 Suggestion

When a customer selects a program, Touch PRO does not react like all conventional wash starters that simply request the payment to be made. In fact, Touch PRO automatically offers the customer the program with the cost just above the current one and shows the price difference.

This option has a significant impact on increasing average revenue and its activation is therefore strongly recommended.

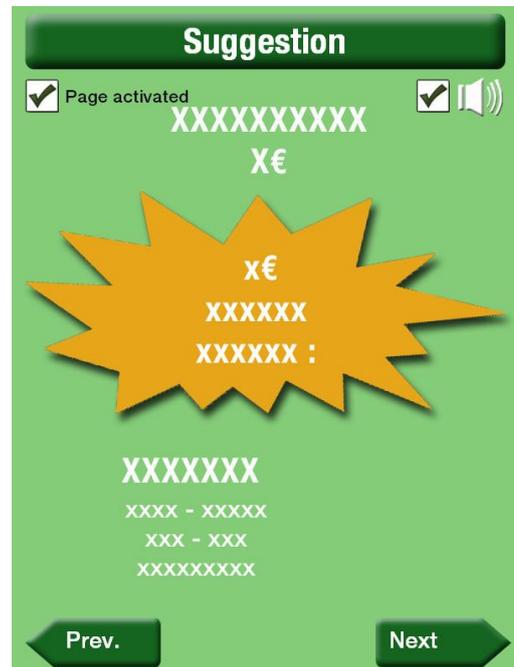


Fig. 48

Touch, or click, on the “Next” button, located on the bottom right corner of the page, to go to the next screen.



10.3.4 Complement

This screen is only shown if a token and/or key/card dispenser is installed on the machine.

It is possible to offer the customer the option of purchasing one or more products to complete the wash via access to vacuum cleaners or other devices. The appearance of this screen is different based on the dispensers installed :

- **2 buttons** : to dispense tokens, if only one token hopper is installed. In this case, selecting the quantity of tokens to dispense with button 1 is compulsory. Activating the second key (to define another quantity of tokens to dispense) is optional.
- **1 single button** : to dispense keys or cards, if a key or card dispenser is installed, with the choice of the quantity to dispense.

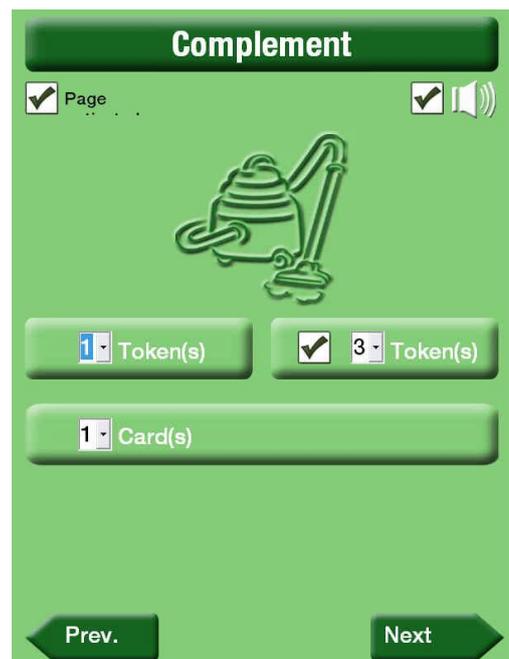


Fig. 49

- **3 buttons** : 2 to dispense tokens and 1 key to dispense keys/cards, if an hopper and a key or card dispenser are installed.

Touch, or click, on the “Next” button located on the bottom right hand corner of the page.



10.3.5 Print receipt

This screen allows you to define the different fields that will be used to print the receipts. That is you can edit :

- Name of the automatic car wash on 3 heading lines (Line 1, Line 2, Line 3).
- Telephone number.
- VAT percentage.
- 3 line receipt footer.

It is also possible to select whether or not to activate printing the promotional bar code (discount given for purchasing a program, applicable on the next purchase with limited validity). The amount of these discounts was previously defined in the “Select a program” menu.

Should this option be activated, the validity must be selected (number of days starting from the date of purchase).



Fig. 50

Touch, or click, on the “Next” key located on the bottom right hand corner of the page.



Once the user interface configuration is complete, the screen goes back to the home page, as you can see here on the right.

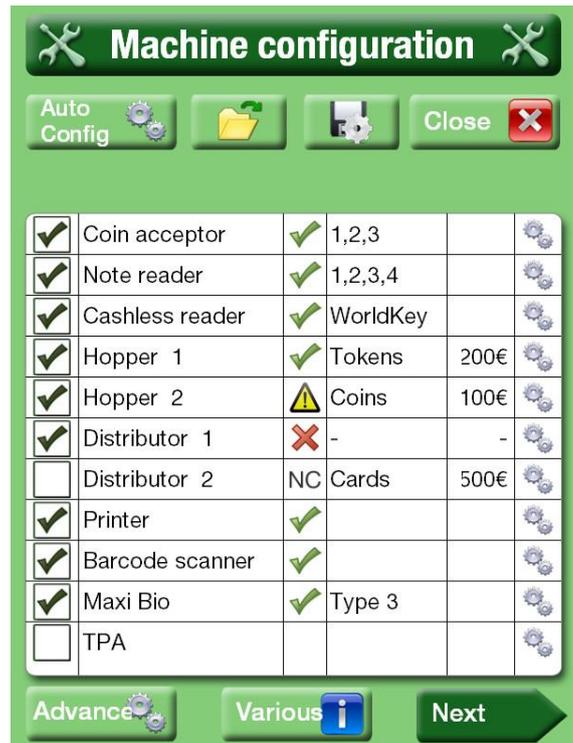


Fig. 51

10.4 How to configure the installed devices

You can access the detailed configuration of each device simply by touching, or clicking, on the corresponding setting button (it's the gear icon you can see here on the right) on the main screen.



This key is also used to check the origin of a problem signalled on the main screen.

A detail of the identified problem is shown in the the configuration screen by means of a warning signal (a yellow triangle like the one shown here on the right). Next to the peripheral name you can find even a brief description of the identified problem.

Hopper 2	⚠️	Coins
----------	----	-------



You can also access the configuration of all the detected devices by touching, or clicking, on the "Auto Configuration" button.



10.4.1 Coin Mechanism

The coins and tokens programmed in the coin acceptor are represented as a function of the programming channel. They can be activated or deactivated without acting on the

coin acceptor (the activated channels are shown on the main tab of the home screen). Generally it is possible to program two different tokens on channels, 15 and 16 as shown as example in Figure 52 below.

To teach the system a new token, touch, or click, on the **Prog.** button and insert at least 15 tokens in the coin acceptor. Define their value and confirm, pressing the "OK" button, to save changes.

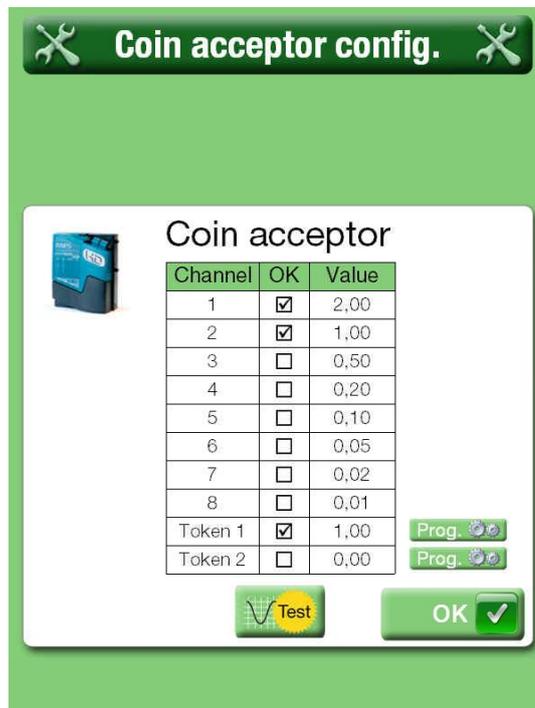


Fig. 52

10.4.2 Note reader

The note denominations programmed in the reader are shown in the programming channel. They can be activated or deactivated without intervening on the reader through the ccTalk protocol (the active channels are shown on the main table of the home screen)

Press the "OK" button, to confirm and save changes.

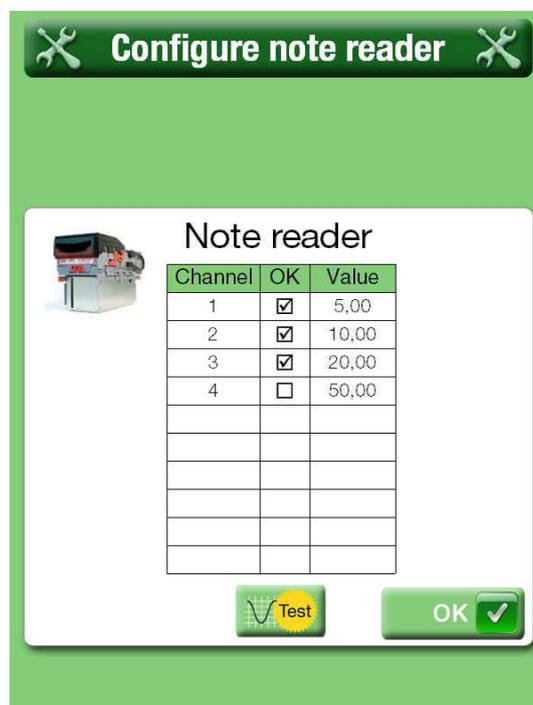


Fig. 53

10.4.3 Cashless Reader

In the event a cashless system has been detected on the MDB bus, you can define its type on this page, selecting the cashless system installed on the machine.

EN

At the end, press the “OK” button to confirm and save changes.

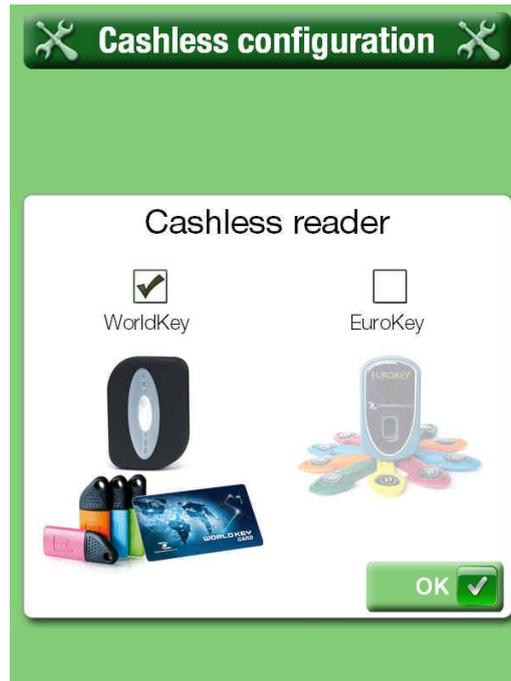


Fig. 54

10.4.4 Hopper 1 and hopper 2

You can install a token or coin hopper (meant only for the coin change) on the device.

This menu allows you to define the type of product dispensed by the hoppers (Coins or Tokens) and their value (touching, or clicking, on the “+” and “-” buttons).

There is also a test button available to check whether the hopper is functioning properly (a product is dispensed for each touch, or click).

The “Flush” button allows you to completely empty the hopper, counting the remaining tokens.



Fig. 55



In the event you want to remotely control the machine, the “Test” button can be used to dispense one or more tokens to a customer who is having problems with the machine.

10.4.5 Card/key dispenser

It is possible to install a single key or card dispenser in the machine.

The type of product dispensed will be automatically identified. This page allows you to

define the value by touching, or clicking, on the “+” and “-” buttons.

There is also a “Test” button available to check whether the hopper is functioning properly (a product is dispensed for each touch, or click).

Press the “OK” button to confirm and save changes.



Fig. 56

10.4.6 Printer

This page allows you to view the printer status and perform a print test.

Press the “OK” button to confirm and save changes.



Fig. 57

10.4.7 Bar Code Scanner

This page allows you to define and view the different bar codes managed by the machine. That is you can :

- teaching the system a new code to access the management menu or a new code to print a partial accounting report.
- configuring a series of bar codes for a discount (limited by period and number of codes).
- configuring a series of bar codes for a free washing (limited by period and number of codes).



Fig. 58

10.4.8 Bar code reader of access and accounting

Touch PRO comes equipped with two factory QR Code:

- one allows you to access the machine management menu (with an additional password).
- the other allows you to automatically print a partial accounting report.



QR Code example

Fig. 59

You can change the existing codes in order to customize the best machine. To do this you must create a new QR Code containing its new codes to be assigned to the machine. To create the new QR Code access the website <http://www.goqr.me/fr> and follow the instructions. Then print the new codes or save them, for example on a Smartphone.

Next, touch, or click, on the teach button, shown in the picture here on the right. On the following page, select whether you need a printing or access code and follow the instructions.



10.4.9 Promotional discount bar code management

Touch PRO is capable of managing marketing operations that allow customers to receive a discount by presenting a bar code.

This function is very useful when you need to organize an open day or an inauguration of a new site.

Each code read by the machine (during its validity period), can be used only once and is recorded in separate books in order to facilitate accounting and the business management of the operations (see the "Account history" section).

The memorized operations are shown on a tab. You can edit, print a summary receipt or delete them by touching, or clicking, on the specific button with the recycle bin icon on the tab.



Fig. 60

The "New" button allows you to generate a new discount operation: simply answer few questions. At the end press "OK" to confirm and save changes.

Every operation is defined by:

- A name.
- The date and hour when the operation has started and was completed.

- The amount of the program offered with discount.
- The number of bar codes you need to generate.



Fig. 61

Press the "OK" button to confirm and save changes.

As soon as a new operation is recorded, a confirmation screen appears that shows the numbers to be printed and offers to print a summary receipt.

Once a printing press has received this information, it will be able to print the same number of letters as the number of codes created, inserting an incremented bar code according to the EAN13 format.

You can also do this kind of printing using the mailing function of an office software package like Microsoft Office® or the open suite LibreOffice®.

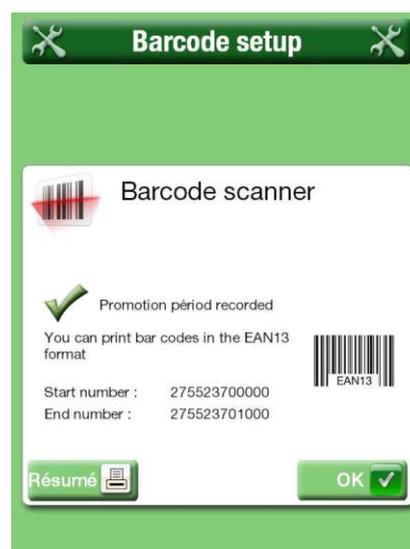


Fig. 62

10.4.10 Bar code management “free wash program”

Touch PRO is capable of managing some marketing operations that allow you to provide the customer a free washing that starts automatically when a barcode is shown in front of the barcode reader.

This feature is very useful, for example to make discover a new washing program to a group of loyal customers. Each code read by the machine (within its valid dates) can be used only once and is recorded in separated accounts in order to facilitate the accounting records and the commercial management of operations (see the section “Account history” for details).

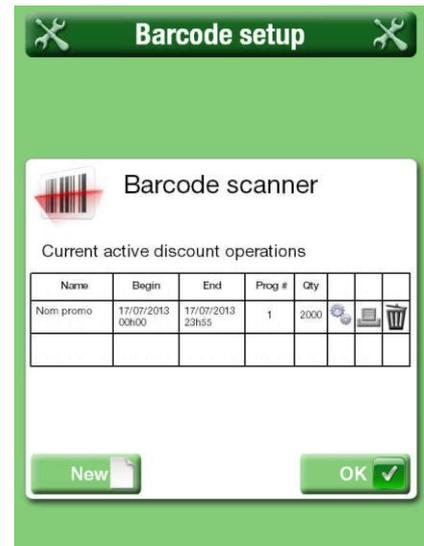


Fig. 63

The memorized operations are shown on a dedicated tab. You can edit, print a summary receipt or delete them by touching, or clicking, on the specific button with the recycle bin icon on the tab.

The “New” button allows you to generate a new free washing code. Simply answer the proposals questions and confirm to create the codes.

To create the free washing QR Code, simply provide:

- The name you intend to give to the free washing.
- The date and hour when the free washing program will start and end.
- The number of washing program you intend to give for free.
- The number of bar codes to generate.

As soon as a new operation is recorded, a confirmation screen appears that shows the numbers to be printed and offers to print a summary receipt.

Once a printing press has received this information, it will be able to print the same number of letters as the number of codes created, inserting an incremented bar code according to the EAN13 format.

You can also do this kind of printing using the mailing function of an office software package like Microsoft Office® or the open suite LibreOffice®.

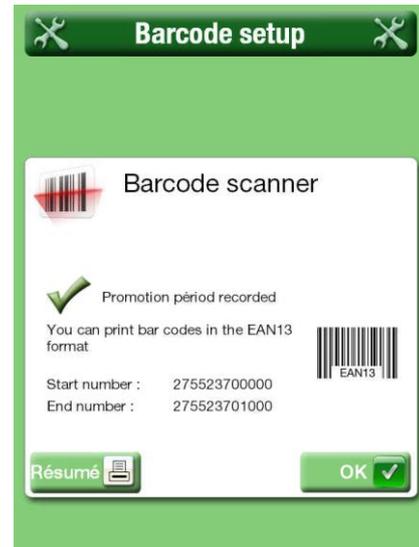


Fig. 64

EN

10.4.11 MaxiBio

MaxiBio is the input/output board that allows you to interface Touch PRO with your washing system.

The flexibility in configuring the inputs and outputs to use, their communication mode and their default level, allow Touch PRO to assure fully compatibility with all the washing gantry on the market.

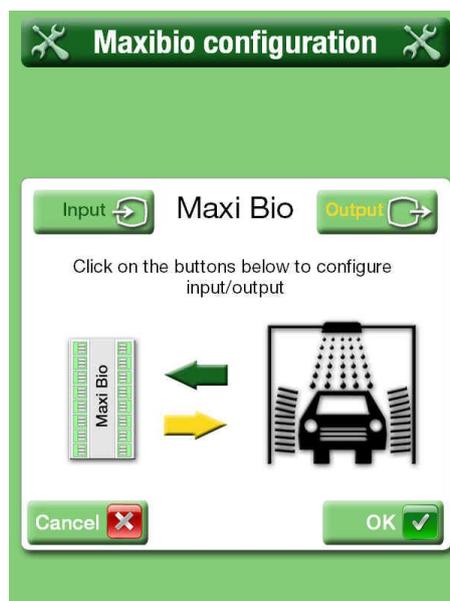


Fig. 65

10.4.12 MaxiBio inputs

Two types of communication are usually used, which are defined in the “Wash type” section:

1. **Std (Standard)** : the occupying gantry signal and the default gantry signal are supplied on two different lines.
2. **3** : the occupying gantry signal and the default gantry signal are supplied on the same line.

If a vehicle position sensor is installed, the “Car position” option must be checked.

The green LED located on the front of each input shows the status (green if the input is active).

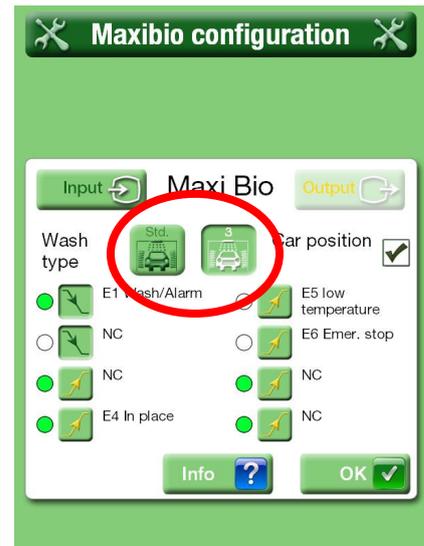


Fig. 66

You can edit the level of each input by simply touching , or clicking, on the button that represents it.

This function, along with the status indication, makes wiring testing very simple.



The info button allows you to see on screen the MaxiBio terminal strip wiring diagram.



10.4.13 MaxiBio outputs

The MaxiBio page allows you to manage up to 7 washing programs plus a coin vacuum, when it communicates with the gantry in parallel mode; and up to 8 programs plus a coin vacuum when the communication with the gantry is in binary mode.

Set communication in parallel or binary mode by ticking the corresponding option box. The terminal strip wiring diagram is subsequently modified.

The “Activation time” box allows you to define the duration of the impulses sent to the gantry measured in seconds.

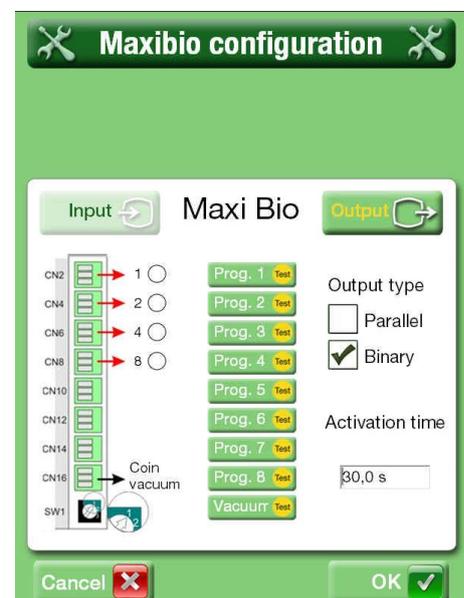
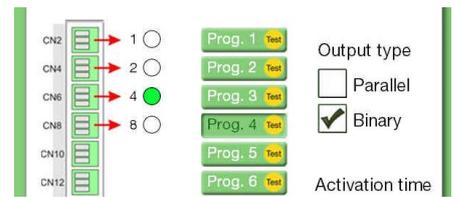


Fig. 67



The “Prog.” buttons allow you to simulate program activation and show the output/s (in binary mode) that correspond to the terminal strip wiring diagram to facilitate wiring tests to the utmost.



The eighth MaxiBio terminal strip output, is dedicated to piloting a coin vacuum system. It is activated for 2 seconds every time the coins are collected.



EN

10.4.14 POS

This page allows you to edit the current POS configuration parameters. That is in particular it allows you to set :

- the type of communication (PSTN, GPRS or IP).
- the account parameters (Contract, Bank, Index and X25 Address).
- the minimum amount accepted for payment with credit cards (programs with lower prices cannot be paid for with credit cards).

The “OK” button allows you to confirm and save the changes made to the POS configuration.



Fig. 68



Record the changes made to the POS configuration before leaving this page.



10.5 Various Configurations

After the home page, touch, or click, on the “Various” button located on the lower toolbar.



10.5.1 Password and access rights



You must enter an Administrator code to access this menu.



This page allows you to define or edit the users and their access rights. Three users can be created in addition to the administrator user, which exists by default with all rights (box checked in every column) and cannot be edited.

To modify a password, touch, or click, on the current one and then enter the new password. Each user can be assigned 3 different rights :



Administrator : it allows to access all the machine screens.



Accounting : it allows to access the “Account history”, “POS Operations” and “Customer files” menus.

⚙️
Access code config.
⚙️

Name	Code				
Administrateur	****	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
toto	****	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Close



Technician : it allows to access only the "Configuration" menu.

Fig. 69



To create a new user, touch, or click, on the "+" button.



To eliminate a user, touch, or click, on the rubbish bin.

10.5.2 Email, accounting and alarms

To fill out all the fields on this page, you must have previously registered an e-mail account.

This page allows you to enable the sending of an e-mail from the device and to define, or edit, the recipients. Accounting will be sent (if activated) automatically every day at the set time.

You can create 4 recipients, defining the type of e-mail they can receive :

- Accounting.
- Alarm signals.
- Both.



Fig. 70

Once the 3 fields, needed to define an account where to send the e-mail, have been filled out (SMTP server, user and password), the Touch PRO machine will be able to send the accounting data, and any error message, to the set recipient.

Pay attention to the sender, in the corresponding space, so that the e-mails received are identified.



To create a new recipient, touch, or click, on the "+" button.



To eliminate a recipient, touch, or click, on the recycle bin icon.

10.5.3 Languages and opening hours

This screen allows you to define the default language of the machine and other 3 languages that will be shown on the home page via the corresponding flag icons.



You can also define the opening and closing hours to automatically stop the machine at night.



Fig. 71

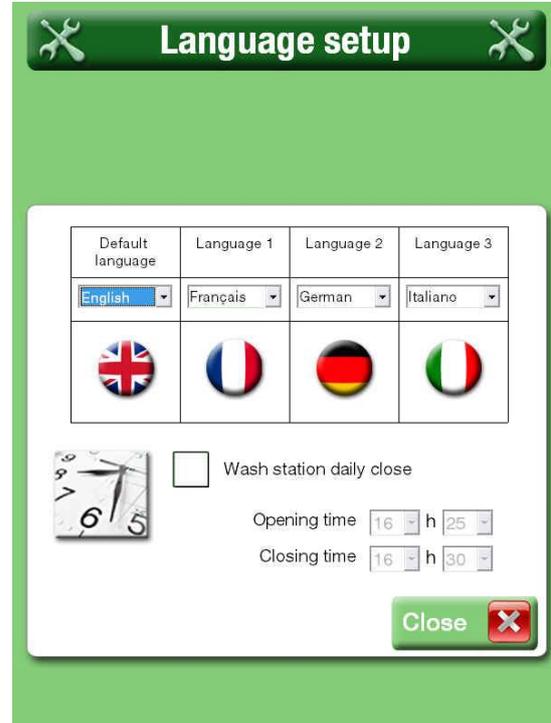


Fig. 72

10.6 Advanced Configuration

From the main screen of the configuration menu, in order to access the Advanced configuration menu, touch, or click, on the "Advanced" button, located on the lower toolbar, to get access to the relative settings.



This menu is reserved only for expert users. You must enter an Administrator code to get fully access.

This screen allows you to get access to some advanced set-up functions, including the touch screen calibration or editing the application file.

Uncontrolled use of these functions may compromise proper machine operation. It is therefore advisable to



access this screen only under the supervision of a specialised technician.

11. Accounting - Management tools

11.1 Introduction

Touch PRO allows you to extract accounting information in two different ways :

- Issuing a receipt summarising all the partial operations (the operations completed after the last extraction).
- Accessing a detailed management menu that allows all filtering, editing and exporting operations.

11.2 Issuing a partial accounting report

Print the partial accounting report using the QR Code provided with the machine (see “Bar code scanner” section to know how to create a personalised one), and put it in front of the scanner.

EN

A receipt summarising the main information is automatically printed :

- The name of the car wash station.
- The name of the machine.
- The start and end dates of the considered period.
- The division of the turnover depending on the payment type.
- The details about all the programs sold (number of purchases for each program).
- The details about the additional products sold and/or offered (number of purchases).
- The details about the overpay (separated from the token profits) and dispensing errors (in Euro).
- The amount recharge made on the key.
- The details about the promotional bar codes used.

Car wash	
Street 99000 XXXXXX	
Machine 1 Accounting	
05/04/2012 edition at	
09h05 on 06/04/2012 to	
9h15	
Till	
CA Notes	50.00
CA Coins	22.00
CA Token 1	10.00
CA Token 2	0.00
CA Keys	40.00

CA BC	60.00

	182.00

Washes Sold	
Standard	04
Extra	04
Brilliant	06
Luxe	08

Programs sold	22

Additional products dispensed	
Free tokens	04
Sold tokens	12
Cards/keys sold	02
Number of coins returned	06

Overpay	
Extra cash collected	0.00
Extra tokens collected	0.00
Not dispensed	0.00

Key top-ups	12.00

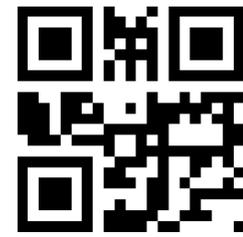
Bar codes used	
3 1.00 Euro promotional codes	
1 3.00 Euro promotional code	

11.3 Management menu access

The Touch PRO management tools are directly on the machine and are protected by a password that authorizes different rights.

The management menu can be accessed with different methods.

- Place in front of the scanner the QR menu access code provided with the machine (see the “Barcode scanner” section to know how to create a new one).



QR Code example

Fig. 73

- Connect a keyboard to the machine (USB port available behind the PC under the hopper support) and press the “F2” button (even during remote access, you can get access to the management menu by pressing the “F2” button on the keyboard).

EN

Once gone in, you will then be asked to enter the password that allows you to access the configuration menu, the accounting history, as well as other functions depending on the rights assigned.

The machine default factory code is 0000. It is strongly recommend that you change the password with a new one.

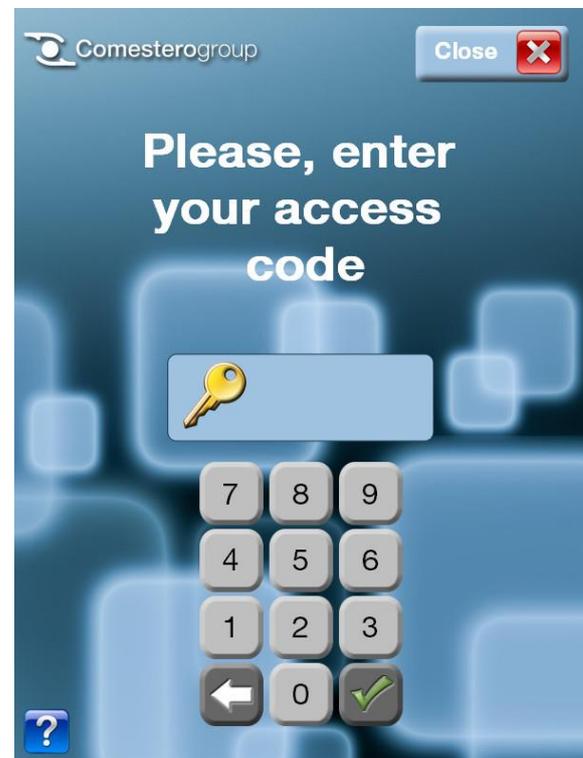
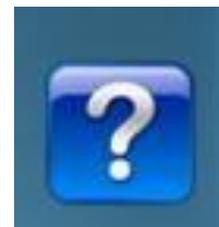


Fig. 74



The “?” (help) button, located on the bottom left corner of the screen, displays a “master” code in the event you should forget the access code. Communicate this “master” code to the Comestero after sales service in order to get a new code.



Once entered your access code, the machine will display the management menu with all the rights activated, as shown in the Figure you can see here on the right. Touch, or click, on each button to access the corresponding management menu :

- “POS history” : this menu allows you to make all the operations using credit cards (only with a POS installed).
- “Account history” : this menu allows you to see, export or print all the statistical/financial data.
- “Customer” : this menu allows you to see and export the database of registered clients.



Fig. 75

11.4 Accounting history

This screen summarises all the machine business activities between two dates, with different filtering, editing and exporting options.



Fig. 76



The totals, of the displayed values, are shown at the bottom of the columns.

The arrows allow you to move vertically and horizontally inside the screen.

11.4.1 Upper toolbar

The upper toolbar allows you to export, print and send via e-mail all the data.



The  button allows you to export the displayed data in a “.csv” format file (which can be used with any spreadsheet program).

The usual Windows save screen appears. At this point, connect a USB flash drive to a free USB port of the machine PC and select it to save the file.



Fig. 77



The  button will print a receipt summarising of the displayed data.

The “Starting Period” and “Ending Period” allow you to define the start date and the end date of the period sought.

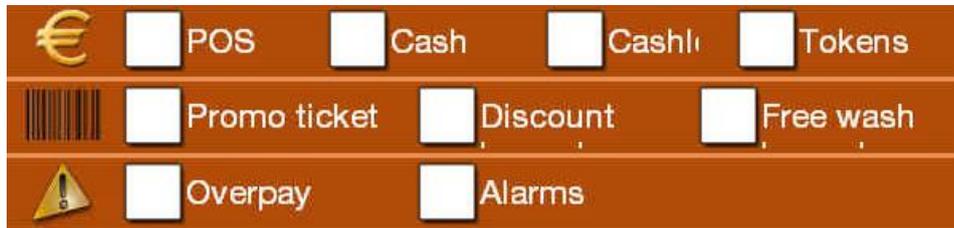
Touch, or click, on the arrow next to the date, to display the calendar and choose the desired day.



EN

Fig. 78

11.4.2 Filter bar



This part of the screen allows you to perform all the searches desired through filters, by simply ticking the corresponding boxes.



You can add more filters by ticking more than one box to narrow the search.

The first line allows you to filter data depending on the payment type.

- POS : payments using the credit cards.
- Cash : payments in cash or mixed cash/tokens.
- Cashless : payments using keys or cards.
- Tokens : payments with tokens.



The second line allows you to filter data depending on the promotional tool.

- Promotional ticket: use of a ticket with promotional bar code printed by the machine at the end of the transaction.
- Discount code: use of a bar code offering a promotional discount sent via e-mail (see “Bar Code Scanner” section for any further details).
- Free wash bar code: use of a bar code that offers a free wash sent via e-mail (see “Bar Code Scanner” section for any further details).



This section is very practical to make visits frequency statistics following a targeted marketing operation.

The last line allows you to filter by error type.

- Overpay : problems about coin change (the corresponding lines are



displayed in orange on the main screen).

- Alarms : non-dispensed products or services (the corresponding lines are displayed in red on the main screen).

Example of filter :

Search for all cash payments from 20/01/2013 to 20/06/2013 that also used a promotional ticket.

Date	Time	Sold programs	With add.	Price	Tokens	Cards	Promo ticket	Iscount	Total price	Type	Change	Overpat
04.04.2013	15:45	NOM	No	10€	0	0	Non	Non	10€	Esp.		Non
17.04.2013	17:09	NOM	Yes	8€	0	0	Non	Non	8€	Esp.		1€
17.04.2013	17:15	NOM	No	4€	0	0	Non	Non	4€	Esp.		Non
19.04.2013	12:18	NOM	No	8€	0	0	Non	Non	8€	Esp.		Non
19.04.2013	12:34	Annul6	No	0	0	0	Non	Non	0€	---		1€
15.05.2013	18:10	P4	No	4€	0	0	Non	Non	4€	Esp.	6€	Non
15.05.2013	18:16	P3	No	3€	0	0	Non	Non	3€	Esp.	7€	Non
15.05.2013	18:18	P6	No	6€	0	0	Non	Non	6€	Esp.	4€	Non
17.05.2013	14:52	P1	No	1€	0	0	Non	Non	1€	Esp.		Non
17.05.2013	15:01	P4	No	4€	0	0	Non	Non	4€	Esp.		Non
17.05.2013	15:02	P1	No	1€	0	0	Non	Non	1€	Esp.		Non
17.05.2013	15:09	P3	No	3€	0	0	Non	Non	3€	Esp.		Non
05.06.2013	10:38	Annul6	No	0	0	0	Non	Non	0€	---		1€
05.06.2013	10:40	P5	Yes	5€	0	0	1€	Non	4€	Esp.		1€
05.06.2013	10:44	P2	No	2€	1	0	1€	Non	3€	Esp.		Non
05.06.2013	10:48	P2	No	2€	0	0	Non	Non	2€	Esp.		Non
05.06.2013	17:56	P2	No	2€	0	0	Non	Non	2€	Esp.		Non

Fig. 79

11.4.3 Main tab

The main tab is composed as follows.

11.4.3.1 Date and time

- The Date and Time columns indicate when the transactions took place.

11.4.3.2 Sold programs

- "Sold programs" indicates the washing programs that were launched.
- "Tokens" indicates the number of tokens sold.
- "Token free" indicates the number of free tokens sold.
- "Recharge Key" indicates the number of keys that have been recharged.
- "Cards" indicates the number of cards sold.
- "Total price" indicates the price of the program that was started.
- "With Add." indicates if the customer has chosen a program with a lower price and agreed to pay an additional charge for a superior program.

11.4.3.3 Payment

This section shows all the information related to payment method and amount :

- “Promo ticket” indicates the value of any promotional tickets used.
- “Discount barcode” indicates the value of any promotional bar codes sent via e-mail used.
- “Total price” indicates the total amount that was paid, less all discounts and plus all accessories.
- “Type” indicates payment method used: bank card, cash, tokens, keys (or cards) and mix (tokens + cash).
- “Change” indicates whether coins were returned and, in the event, shows the value.
- “Overpay” indicates whether there were problems with a lack of change in coins and, in the event, shows the value.



Press on the arrows to scroll horizontally to view the right side of the screen.

0	Non	Non	1£	Esp.		Non
0	Non	Non	3£	Esp.		Non
0	Non	Non	0£	---		1£
0	1£	Non	4£	Esp.		1£
0	1£	Non	3£	Esp.		Non
0	Non	Non	2£	Esp.		Non
0	Non	Non	2£	Esp.		Non
1	9,0£	0,0£	154,0£		61,0£	13,0£

11.4.3.4 Keys

This section shows all the information related to payment by keys or cards :

- “Top-up” indicates if the key was topped up at payment (for payments with a key, if the credit is insufficient the payment can be completed with cash; in this case, the coins are added to the key credit rather than returned).
- “Key credit” indicates the credit remaining on the key after the transaction has been completed.
- “Key num.” indicates the serial number of the key used for the transaction.

11.5 POS history

This page allows you to access different functions related to :

- consulting transaction history.
- accessing the POS to force a transaction, remote programming or to access the set-up menu.

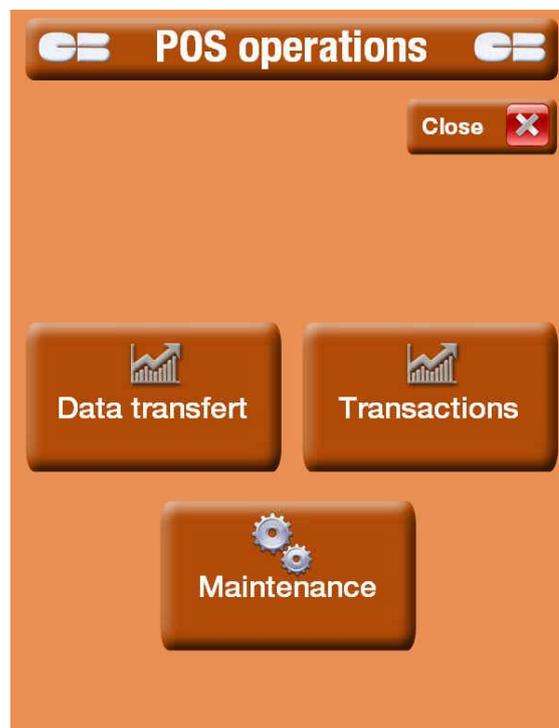


Fig. 80

11.5.1 Data transfer

List of data transfers performed by the machine with the option to filter :

- By date interval (Starting period and Ending period).
- Selecting only successful data transfers ("Succeeded").
- Selecting only incomplete data transfers (shown in yellow on the list – "Failed").

For each data transfer, the bank account number (Id number), the number of transactions and their total amount are shown.

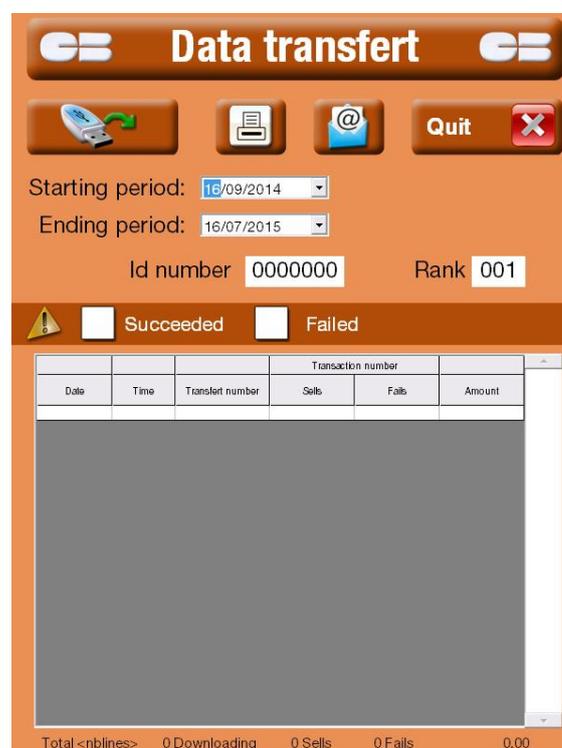


Fig. 81

The button, you can see here on the right, allows you to export the list displayed on the screen using the same procedure as for exporting accounting data.



The «button, you can see here on the right, allows you to print the displayed remote collection receipts.



The totals of the amounts displayed are shown at the bottom of the columns.

11.5.2 Transactions

List of transactions performed by the machine which can be filtered :

- by date interval.
- selecting only the successful transactions.
- selecting only the incomplete transactions (shown in yellow on the list).
- selecting only the transactions that generated an authorisation request (call).

For each transaction, the last four digits of the card and the amount, are shown.

The screenshot shows the 'Transactions' screen with a brown header and footer. The title 'Transactions' is centered in the header. Below the header are four buttons: a USB icon, a printer icon, an '@' icon, and a 'Quit' button with a red 'X'. Below these are two date pickers: 'Starting period: 16/07/2015' and 'Ending period: 16/07/2015'. Below the date pickers are two text input fields: 'Id number 0000000' and 'Rank 001'. Below these are three checkboxes: 'Accepted', 'Refused', and 'Calls'. Below the checkboxes is a table with the following columns: Date, Time, Card number, State, Error code, Call, and Amount. The table is currently empty. At the bottom of the screen, there is a summary bar with the following text: 'Total <nblines> 0 Transactions 0 Calls 0,00'.

Date	Time	Card number	State	Error code	Call	Amount
Total <nblines> 0 Transactions 0 Calls 0,00						

Fig. 82



For the refused transactions, the POS error information is shown in the "State" column.

This information represents the cause of the refusal to be identified (damaged card, demagnetised card, authorisation refused, etc...) based on the technical service evaluated.

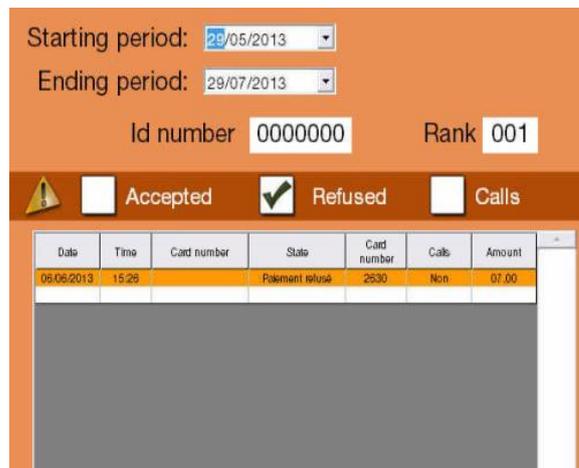


Fig. 83

EN

11.5.3 Maintenance

This screen allows you to force the POS to perform a manual transfer or a remotely assisted configuration.

You can also access the internal POS set-up menus (in this case, the administrator code must be entered) using the "POS Access" button.



Fig. 84



Once the transfer or remote configuration is complete, check the automatically printed receipt to make sure the operation was successfully completed.

11.6 Customers

This page allows you to access the list of customers who registered on the machine during a wash.

The list can be filtered by telephone number or by e-mail.



Fig. 85

The button, you can see here on the right, allows you to export the list displayed on the screen using the same procedure as for exporting accounting data.



12. Care and Maintenance



All maintenance inside the machine must be carried out when the power supply has been switched off.



Follow the warnings carefully so that the machine is always in the best operating conditions, preventing dangerous situations or situations which would render the warranty null and void.

12.1 External maintenance and cleaning

Clean the exterior surface of the machine; use a damp cloth with water or a mild cleaning solution.

Do not use aggressive chemical solvents that may damage the finishing of the machine.

Do not dip or expose the machine directly to water or liquids of any nature.

Periodically check the surface of the machine, taking particular care to the areas that could be dangerous for the user due to normal operating conditions or wilful damage (sharp or bent metal sheets, rust, etc.).

12.2 Internal maintenance and cleaning

Clean the machine interior with a damp cloth; use only compressed air to clean the electronic components.

Periodically check the wiring connections and verify that the connection cables of the peripherals have no points left without insulation or parts which are too bent.

Should any fault be detected in the status of the wiring or relative connectors, have them replaced immediately.

12.3 Idle Periods

We recommend turning the machine off by means of the main power switch located inside the case for short inactivity periods, when the machine will not be used for two or three days.

For long inactivity periods, when the machine will not be used for long periods of time, we suggest unplugging the machine from the power grid, removing the power plug from the wall socket.

13. Technical assistance and diagnostics

This section presents the main faults that can be noticed during operations and the corresponding possible solutions in order to minimise or completely eliminate any need for machine shutdown.



If the fault is not among those listed below or if it is there but the suggested solution does not solve the issue, call our after-sale service at the following number: (+39) 02 95781111.

Problem	Possible cause
The machine doesn't switch on	Power fault
	A security lock is on, wait and try again

The machine does not dispense coins/tokens	Empty hoppers
	Hoppers not correctly set up
The machine does not dispense services/wash programs	The input and output signals are not correctly set up, check via SETUP software
	Wrong connection to the MaxiBio boards
The machine does not dispense cards or keys	Empty dispensers
	Dispensers not correctly set up
Poor acceptance of coins/banknotes	The sensors of the coin mechanism might be dirty
	The sensors of the reader might be dirty

14. Technical Data

Dimensions (hxlxw) WITHOUT CABINET [mm] :	512x804x525
Net weight WITHOUT CABINET [Kg] :	53
Input voltage [Vac] :	230
Absorbed power [VA] :	230
Operating temperature [°C] :	-15 ÷ +50
Coin or token capacity for each Hopper Evolution with extension :	1,500 (1€)
Coin cash capacity [Pcs] :	<1,000
MaxiBIO boards	
Power supply [Vdc] :	24 VDC ± 20% or 24 VAC ± 10%
Inputs voltage :	12 ÷ 48 Vdc
	230 Vac

Outputs voltage [Vdc] :	relays output max 250V 6A
Current consumption [mA] :	nominal maximum 35
Power consumption [W] :	0.08 @ 24Vin DC = 1.9W that correspond at 0.35A on 5V with efficiency 90%
RS485 cable lenght [m] :	maximum 500

Installable peripherals

Electronic Coin Mechanism :	Comestero RM5 HD
Banknote Reader :	Innovative Technology NV10
Suzo Evolution Hopper	
Card dispenser	
Cashless chip card system	
EuroKey Next cashless system	
WorldKey cashless system	
Contactless key dispenser	
Heat sublimation printer	
POS payment system	

EN

15. Spare parts

Perfectly identical to the parts to be replaced, our spare parts are in compliance with manufacturing specifications, and they guarantee with time optimum performance and reliability, satisfying all industry regulations for which they are designed.



For any further information about this spare parts list, please call our after - sales service at the following phone number:
(+39) 02 95781111.

In order to provide a fastest way to search for spare parts and facilitate the work of our technicians, it is necessary to provide the following information to the Comestero after-sales service :

- Model, type and serial number of the machine.
- Code number, name and quantity of parts you intend to order.

The following list applies to all configurations in which the Touch PRO is produced and sold.

15.1 Touch PRO general assembly

CODE	DESCRIPTION
1066-30-2702-B	CABINET GROUP ADVANCE TOUCH Rev. B
T-FACADE-ST-IUC-C	FRONTAL PANEL A-TOUCH WITH CASHLESS IUC150
1066-27-13890-A-4	TOUCH ENI PLATE new version
1066-30-5001-A	ADVANCE TOUCH DISPENSER SUPPORT GROUP
1066-30-2902-A	ADVANCE TOUCH PAYMENT SYSTEM SUPPORT GROUP
1066-30-4901-A	ADVANCE TOUCH BOWL GROUP
F-ECRAN-TOUCH-B	TOUCH SCREEN (Tecn. Zybrid)
INEOS600	AURES INEOS 650 COMPACT PC
T-CARTE-INT-MP	MULTIPROTOCOL INTERFACE BOARD
1WLKF365	1WLKF365 AUDIO AMPLIFIER
T-SUPINTSECU-ST-B	OPENING DOOR SWITCH SUPPORT
IL/INTERRUT-B	BIPOLAR SWITCH
30526000000189A_LAV	QR CODE READER MOTOR. SE-3307 - CONFIG

CODE	DESCRIPTION
MLCTFENSCAN	SCANNER FRAME FOR TOUCH
C05VTCA2.5X6C20	TC 2,5X6 FOR PLASTIC BN82428
RS-50-24	POWER SUPPLY 24 V
RS-50-12	POWER SUPPLY 12 V
011600-01-9025	THERMOSTAT
2223639	INVERTER 650 USB IEC
T-SWITCH	SWITCH FAST ETHERNET
20-13786-PC	PC SUPPORT PLATE FOR TOUCH
30306000000023A	POS INGENICO IUN250
1066-20-13883-B	VISUAL SCREEN FOR POS KEYBOARD - INGENICO
CB-CARTE-NETTOYAGE	INITIALIZATION CARD FOR CARD READER
T-SUPIUC150-ST-A	INGENICO IUC150 CASHLESS READER SUPPORT
30306000000025A	INGENICO IUC250 CONTACTLESS READER
20-13802-B	COIN MECHANISM PANEL

30011900000074A	LAUNDRY POINT COIN MECHANISM LED BRACKET
LS/NV10/E2-CCT-ENCRY	NV10 ENCRYPTION BANKNOTES READER
LS/PM599	NV10 SAFETY BRACKET
20-13816-A	NV10 PANEL
1066-20-13892-B	NV10 COIN AND BANKNOTES DUCT TOWARD CASH Rev. B
COL-100/2.5	COLLIER 100 X 2.5
20508000000033A	MAXI BIO ASSEMBLY
1066-20-13872-A	POS TERMINAL SEAL

15.2 Advance Touch cabinet group rev. B (Cod. 1066-30-2702-B)

CODE	DESCRIPTION
20-13800-I	FINISHED INTERNATIONAL CABINET
30207000000023A	BOCCHIOTTI TMC COD. W09505 MINI PIPE
1066-20-13852-C	HEATER BRACKET SUPPORT
T-FACADE-ST-IUC-C	A-TOUCH WITH CASHLESS IUC150 FRONT PANEL

15.3 Cabinet with safe (Cod. MBED/ARMADIOCASSAF)

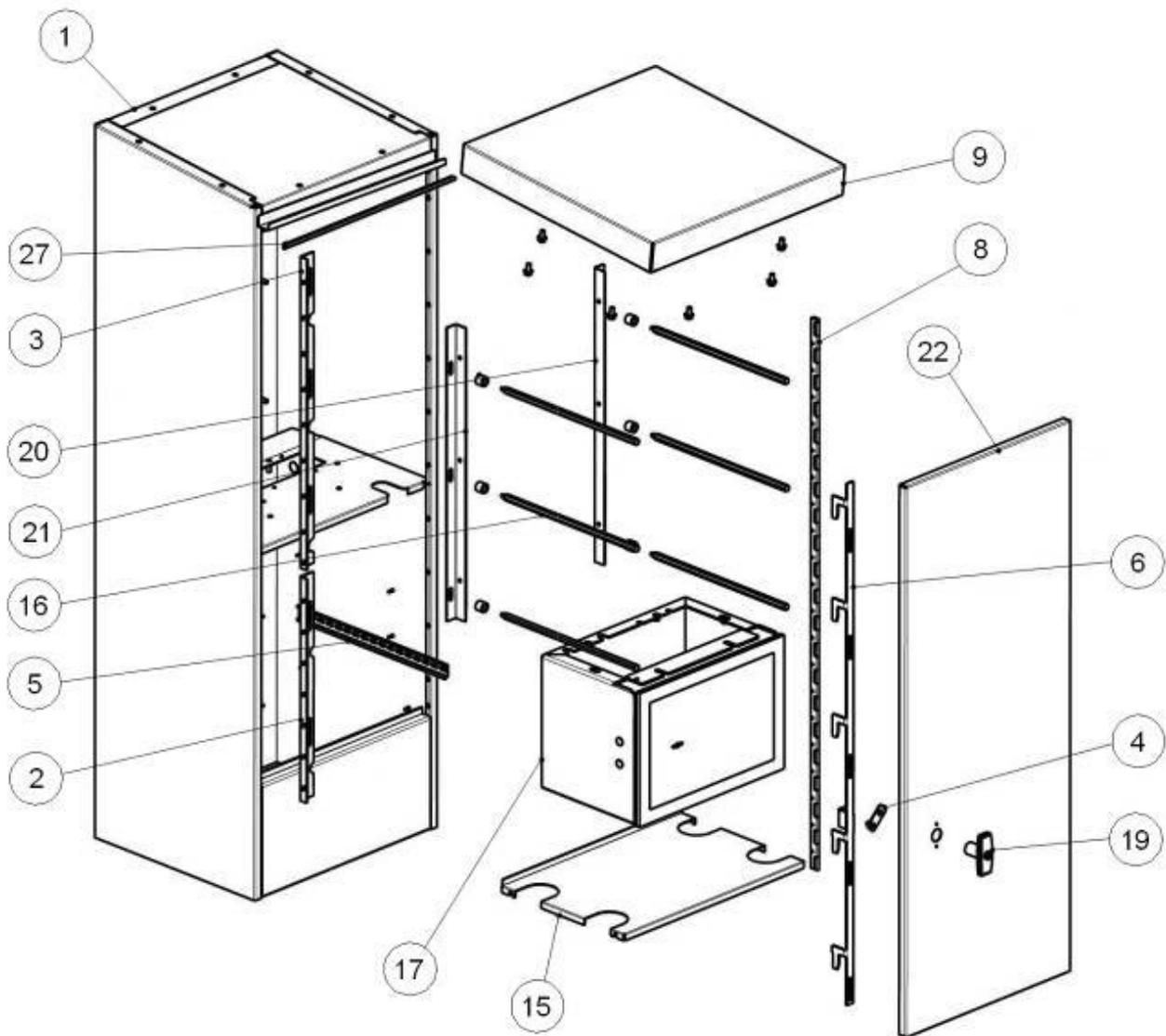


Fig. 86

POSITION	CODE	DESCRIPTION
1	PNH-3011-A	ASSEMBLED CABINET
2	PNH-2002-A3	Interior and lower locking bar
3	PNH-2001-A2	Interior and upper locking bar
4	PNH-2004-A1	Assembly M2P cam
5	PNH-1014-A1	DIN BAR
6	PNH-1012-A1	M2P door locking bar
8	1074-20-0025-A	HINGE
9	PNH-1007-A2	ROOF
15	PNH-1006-A2	SHELF
16	1074-20-0009-C	Autocoin Fixing
17	1074-30-0100-A	SAFE GROUP

POSITION	CODE	DESCRIPTION
19	S-M2PR1KA-000	HANDLE MADE IN ALLOY
20	1074-20-0005-B	Right plate for fixing Autocoin
21	1074-20-0004-B	Left plate for fixing Autocoin
22	PNH-2013-A	ASSEMBLED DOOR

15.4 Advance Touch dispenser support group (Cod. 1066-30-5001-A)

CODE	DESCRIPTION
20-13823-B	DISPENSER BLOCK
Z/DC-FILTRO	MAIN FILTER
FSE-PROT-0-COL	TESTED 485 AIMB BOARD
30202000000027A	5X20 FUSEHOLDER
30202000000028A	DELAYED 5X20 FUSE 3.15A 250V
C34R05X202.5000	5X20 1A FUSE
20-13795-G	DISPENSER SUPPORT
C5-AC-PX0587/SE/WH	IEC SOCKET

15.5 Advance Touch payment system support group (Cod. 1066-30-2902-A)

CODE	DESCRIPTION
20-13781-C	PAYMENT SYSTEM PROTECTION GLASS Rev. C
20-13718-A	INTERNAL TRACK FOR GLASS
20-13780-C	INTERNATIONAL FRONT PAYMENT SYSTEM
20-13783-A	THREADED ROD
1066-20-13879-A	PAYMENT SYSTEM AIR GLASS CLOSING PLATE

15.6 Advance Touch bowl group (Cod. 1066-30-4901-A)

CODE	DESCRIPTION
20-13789-E	AUTOCOIN AND SIMPLYSTART INTERNATIONAL BOWL
20-13792-C	BOWL LED SUPPORT BRACKET
27-13791-A	LED SPACER GLASS FOR ADVANCE INTERNATIONAL BOWL
20-13832-A	FULL PAYMENT SYSTEM GLASS

15.7 Advance rear door for cabinet (Cod. 1066-30-0501-A-G)

CODE	DESCRIPTION
20-13715-B	FINISHED DOOR
20-13717_2-B	CLOSING STAKE (2 PIECES)
20-13717_1-B	CLOSING STAKE (2 PIECES)
20-13705-A	WING30 LINCHPIN4 L641 HINGE
20-13716-A	FINISHED DOOR CAM
1066-20-13891-A	ADVANCE – HANDLE GRIP
30137000000146A	STS LOCK MODEL 682 M27 MEGA6 KEY

15.8 Buttons on cashless compartment (Cod. 1066-30-3303-A)

CODE	DESCRIPTION
1066-20-13901-A	PLATE FOR BUTTONS ON CASHLESS COMPARTMENT
30201000000057A	1NC BUTTON BODY COMMAND
CP33-44-746-26	BUTTON 44-746.26 – BLUE -
CP33-44-121	N.A. EAO CONTACT
CP33-44-900	DOOR ELEMENT EAO CONTACTS
20-13824-A	EUROKEY INSERT SEAL

15.9 Anti condensation fan/resistor assembly (Cod. 1066-40-0106-A)

CODE	DESCRIPTION
30310000000015A	HEATER DBK TYPHOON 40 225-275W
C01-RCOFM-40	METALLIC FINGER PROTECT – INTERAXIS 32mm

15.10 Advance/International printer group (Cod. 1066-30-3501-B)

CODE	DESCRIPTION
20-13827-C	ADVANCE PRINTER PAPER SUPPORT – Rev. C
20-13825-A	PRINTER DEFLECTOR
20-13826-A	PRINTER BOARD SUPPORT

C01-FTP622	FTP-622MCL354 FUJITSU
C01-PRN602	PRN602 CONTROLLER FUJITSU
CM/ROT.60.90.12	THERMAL PAPER ROLL

15.11 F1 front for Advance line (Cod. 1066-30-1301-A)

CODE	DESCRIPTION
V/GE-PULS-ARGEN	GRAY BUTTON
20-13775-B	REWORKED F1 FRONT BLACK

15.12 Coin mechanism FRM5B-C4-T-R without wire (Cod. RL5BZC24ECC00T0)

CODE	DESCRIPTION
C25RM5— 10374A1	STANDARD REDUCTION DUCT (29x3)
FRM5B-C4-T-R	TROPICALIZED RM5B C4 VERSION Rohs
V/V-SCATOLE-J	APIARY – 10 PIECES
V/V-SCATOLE-H	BOX 2 APIARIES – 20 PIECES

15.13 Wiring

CODE	DESCRIPTION
1066-40-0092-A	CEP GROUND CABLE FOR ADVANCE INTERNATIONAL FRONT PANEL
1066-40-0008-B	ADVANCE INTERNATIONAL CCTALK HOPPER CABLE
1066-40-0018-D	ADVANCE INTERNATIONAL EXTERNAL FAN CABLE
1066-40-0058-C	GROUND CABLE FOR SIMPLY HOPPER SLIDE REV. C
1066-40-0086-A	GROUND CABLE FOR ADVANCE INTERNATIONAL DOOR
1066-40-0087-A	CEP GROUND CABLE FOR ADVANCE INTERNATIONAL MAIN FILTER
1066-40-0056-A	ADVANCE INTERNATIONAL LIGHTING CABLE
1066-40-0097-A	ADVANCE TOUCH LOUDSPEAKER CABLE
XCAVO057	12V WIRE
1066-40-0113-B	DOOR BUTTON CABLE / RS 485 ADVANCE TOUCH
1066-30-3303-A	BUTTONS GROUP ON CASHLESS COMPARTMENT
1066-40-0109-A	TYPHOON 40 ADAPTER CABLE

1066-40-0002-B	CCTALK CABLE FOR ADVANCE INTERNATIONAL RM5 COIN MECHANISM
1066-40-0003-B	NV10 CCTALK CABLE FOR ADVANCE INTERNATIONAL
1066-40-0006-A	FUJITSU PRINTER SERIAL CABLE

CODE	DESCRIPTION
1066-40-0031-D	24V CABLE FOR ADVANCE INTERNATIONAL
1066-40-0065-B	CABLE FOR PROT- MAXIBIO BOARD
1066-40-0083-A	RS 485 CABLE FOR ADVANCE INTERNATIONAL
1066-40-0098-A	12 V / 24 V CABLE FOR ADVANCE TOUCH
1066-40-0099-B	POWER SUPPLY CABLE FOR ADVANCE TOUCH ANTI CONDENSATION
1066-40-0100-A	MULTIPLE 220Vac CABLE FOR ADVANCE TOUCH
1066-40-0101-A	CASHLESS CABLE FOR ADVANCE TOUCH
1066-40-0102-A	220 Vac CABLE FOR ADVANCE TOUCH
1066-40-0103-B	AUDIO / POWER 5 V REV. B CABLE
847016	RJ45 PATCH FTP CAT. 5e (L=1,5 m) MAIN CABLE
847100	RJ45 PATCH FTP CAT. 5e (L=1 m) MAIN CABLE
KECP-1100	VGA M/M (L=1150mm) CABLE
KECP-2500	USB TIPO A – TIPO B (L=2500 mm) CABLE
USB-A_MICRO-USB-B	USB A TO MICRO B (L=800 mm) CABLE
USB-A_MINIB_950	USB A TO MINI B (L=950 mm) CABLE
USB-A_USB-B_100	USB TIPO A – TIPO B (L=100 mm) CABLE
1066-40-0084-A	SERIAL EXTENSION CABLE FOR ADVANCE INTERNATIONAL PRINTER
1066-40-0085-A	PRINTER POWER CABLE FOR ADVANCE INTERNATIONAL
XCAVO058	TPA INGENICO/PC FOR TOUCH CABLE
1066-40-0014-A	LIGHTING CABLE FOR AUTOCOIN ADVANCE

16. Annexes

16.1 Decommissioning and waste disposal

At the end of its life the product must be decommissioned and sent to a disposal centre. Remove the machine from its installation place, empty all coins and remove the power cable. **Contact Comestero to collect the decommissioned machine. Call the following telephone number: +39 02/95781111.**

It is mandatory to dispose the machine pursuant to Legislative Decree 25/07/2005 no. 151.



Please read the following information carefully.

Since December 31, 2006, precise criteria have been established with regard to the Disposal of Waste Electronic and Electrical Equipment (WEEE), with the purpose of protecting the environment.

These machines fall within the scope of legislative decree 151/2005 annex 1B article 2 section 1, since they are:

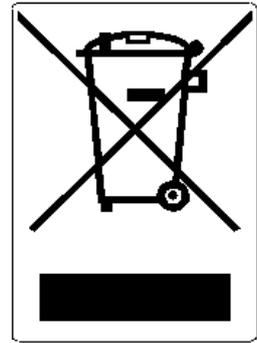
7.6 Coin / token machines

10.2 Automatic dispensers of cash or products.

In brief:

- These machines must not be disposed of as normal waste but rather be separately collected.
- Dealers will collect used machines for free, then they will send them to specialised collection centres so that they can be correctly disassembled and any reusable material can be recycled.
- Collection centres for waste electronic and electrical equipment (WEEE) have been created. Users can return used machines to their dealers when a new, equivalent machine is purchased.

- These machines or their parts are potentially harmful for the environment and human health if used incorrectly or if not disposed of pursuant to the present procedure, due to some substances being present in the electronic components.
- The symbol representing a crossed-out trash bin, well visible on these machines, means without doubts that the machine has entered the market after August 13, 2005 and that it must be collected separately.



The following sanctions are established if this waste is disposed of unlawfully :

1. Pursuant to article 6, section 1, letter b), a dealer that does not accept the return of a used electrical or electronic equipment for free will incur a monetary sanction of Euro 150 to Euro 400 for each device that is not accepted or is accepted for a fee.
2. A manufacturer that does not organise a separate collection system for professional WEEE as per article 6 - section 3 and a system for returning and sending, treating and recycling the WEEE, pursuant to articles 9 - section 1 and 9 - section 1, 11 - section 1 and 12, sections 1, 2 and 3, without prejudice to the agreements signed pursuant to article 12 - section 6, will incur a monetary sanction of Euro 30,000 to Euro 100,000.
3. A manufacturer that after August 13, 2005 does not provide the financial guarantee established by article 11 - section 2 or 12 - section 4 when the electrical or electronic device enters the market, will incur a monetary sanction of Euro 200 to Euro 1,000 for each device which enters the market.
4. A manufacturer that does not provide instructions for the use of WEE pursuant to article 13- section 1 will incur a monetary sanction of Euro 200 to Euro 5,000.
5. A manufacturer that, within one year from the launch on the market of any new WEE, does not provide the instructions pursuant to article 13- section 3 to re-use centres and treatment and recycling plants will incur a monetary sanction of Euro 5,000 to Euro 30,000.
6. A manufacturer that after August 13, 2005 launches on the market WEE without the identification or symbol set out by article 13 - sections 4 and 5 will incur a monetary sanction of Euro 200 to Euro 1,000 for each device that enters the market. The same monetary sanction applies if the identification or symbol is not conforming with the requirements set out by article 13, sections 4 and 5.
7. A manufacturer that launches on the market a WEE without being registered with the Chamber of Commerce pursuant to article 14- section 2 will incur a monetary sanction of Euro 30,000 to Euro 100,000.
8. A manufacturer that does not communicate the information established by article 13, sections 4 3 5 to the national register of subjects obliged to dispose of WEEE within the terms established by article 13, section 8 can incur penalties.
9. With the exceptions set out by article 5 section 2, everyone that after July 1, 2006 launches on the market WEE containing substances listed in article 5, section 1 or further substances identified pursuant to article 18, section 1, will incur a monetary

sanction of Euro 50 to Euro 500 for each device that enters the market or of Euro 30,000 to Euro 100,000.

