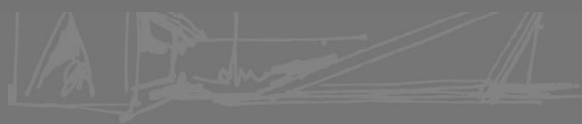


# TKC Faceplate activator

Operator's manual

Rev. 1.00



## TKC Activator

for RFID - MIFARE® Cards / Keys  
and (option) Tokens



User Manual



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**NOTICE**

This manual has been prepared with the utmost care. Nevertheless, it is not possible to assure at any time the exact correspondence of the description to the product features. Alberici SpA shall not be held liable by the User for any damage, losses, or third party claims arising from any uses of the manual or of the product.

Alberici S.p.A. maintains the right to modify in any way any part of the present booklet, without previous notice.

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STORICO REVISIONI			
Revisione n°	Data	Modifica	Note
Rev. 1.00 (Creazione)	11.02. 2020	Creazione	

Dear Sirs,

we would like to thank you and congratulate for your choice.

We trust that you will appreciate the quality and performance of the TKC faceplate activator.

*Please read carefully this handbook, to obtain the most from your machine*

## 1. Package content

The Alberici TKC activator is made up by:

1. Faceplate with ACS Card/Key reader and Token counter. Simpler all cashless KC model does not include the Token counter.
2. As many empty Cards/Keys as requested

This product has been packed with the utmost care. In the case that you receive it damaged or incomplete, please notify immediately your findings to the Carrier.

## 2. Generals

The TKC activator is designed to read data from the transponder chip (Tag) built in the Card or in the Key, or to detect the acceptance of a Token. When the User inserts a Token, or a Card/Key containing available credit, the pushbutton turns from blue to green. When pressing the pushbutton, one credit (value of the service activated) gets deducted from the Card/Key wallet, and a TTL pulse (negative logic) is sent out to the machine through pin 5 / pin 9.

The machine must be so designed that its interface pcb processes such pulse and triggers the requested service. Should the machine have no interface pcb, the TKC module can be matched to the Alberici Servo-relay pcb, whose relay will drive the machine operation motor.

The Card/Key can be read only by the ACS module sharing the same password (PIN) of the Card/Key.

The ACS reader makes use of the secure and reliable MIFARE® technology. Exchange of data occurs through radio-frequency signals (RFID): no direct contact is made between components so as to prevent wear-out of the system. The Keys are waterproof, resistant and non-reproducible.

The system is ideal for applications like:

- Automatic distributors
- Car-wash plants
- Automatic Laundrettes
- Gyms and swimming-pools
- Access controls
- Theme parks
- Parking places
- Internet kiosk

**Each TKC module shall accept only the Card/Keys that have been initialized for/on that particular module, and inversely each Card/Key shall be compatible only with the modules for which it has been initialized.**

Such password must be matched to the module when initialized, either on the TKC device by its on-board configuration menu, or by means of the Alberici ACR programmer kit and software.

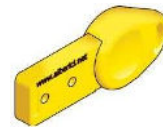
If lost, the password cannot be retrieved, not even by Alberici S.p.A.: once the PIN password has been produced for the TKC Card/Key reader, it must properly be recorded and kept secret. The PIN is essential also to possibly initialize other TKC Card/Key readers so that they take the same Cards/Keys.

### 3. Parts denomination

#### TKC Module



Cards with built-in transponder chip



Key with built-in transponder chip

#### Accessories (to be ordered separately)

ACR Programmer for RFID Cards/Keys



PC-connection through USB port

Key-Loader One for charging credits on (only) Keys



230 Vac powered

### 4. Product information

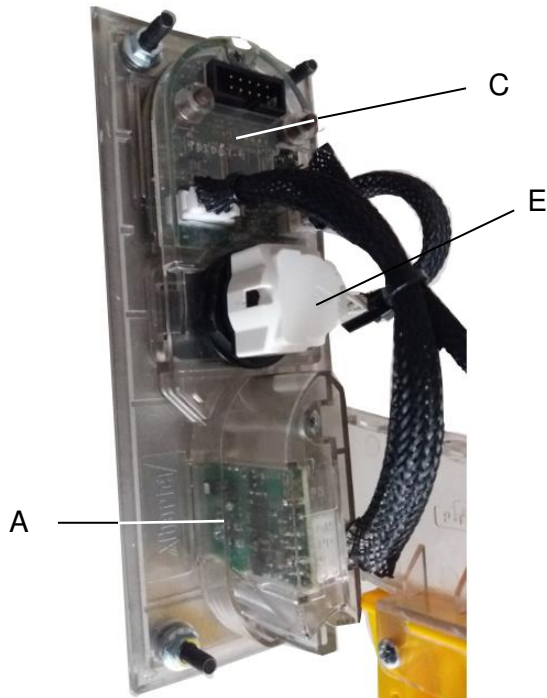
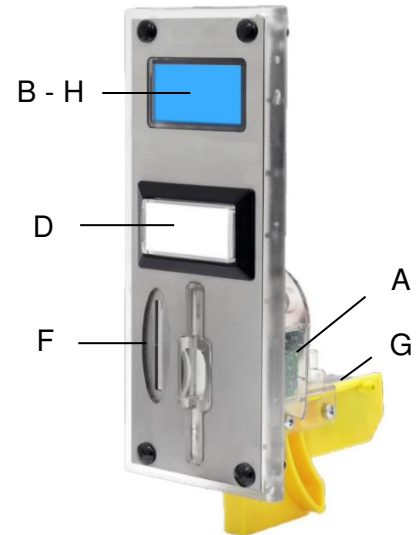
- The TKC module can work to 12V or 24V power supply.
- Power the device through pins 1 (GND) and 2 (+) of the 10p connector. Credit pulse output signal goes from pin 10 (OUT4).
- The 4 pin cctalk socket (connection between device main PCB and Card/Key reader pcb) must be used when updating the system.
- Updates can be carried out by using the "Update software for PCBs and Hoppers - v. 6.1 up".

## 4.1 General data

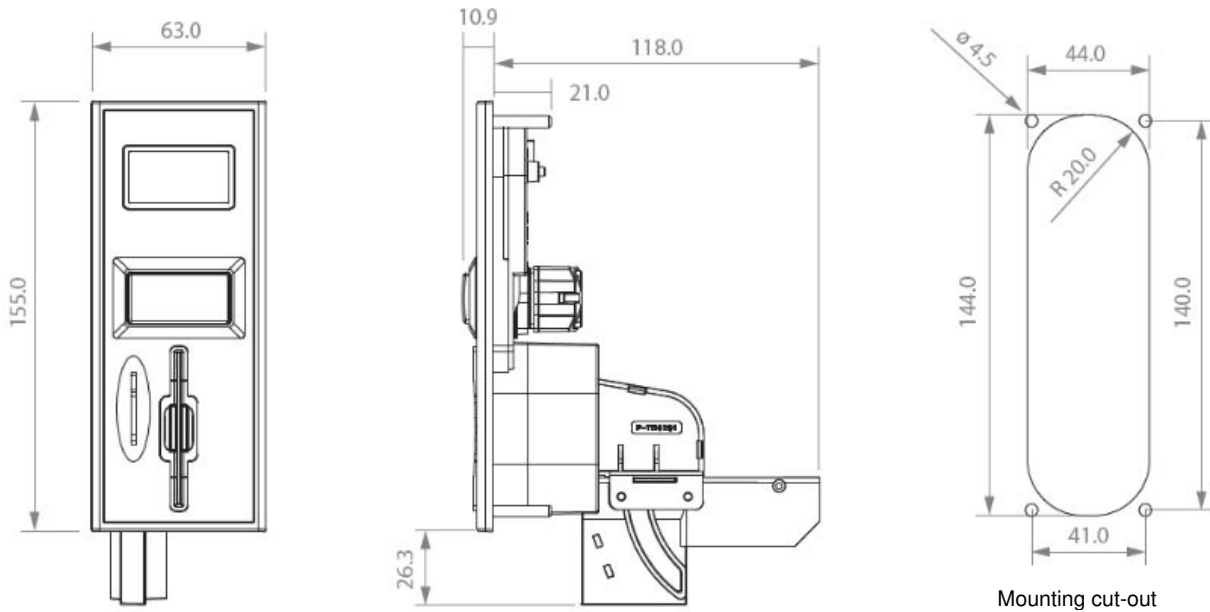
Weight	0,240 Kg
Power supply	12-24 Vdc
Current draw	0,3 A (3,6W)
Operating temperature	-10° C / +50°C
Operating humidity	10-90% non condensed

## 4.2 Components

Pos.	Code ref.	Description
A	S-020804-010	Aerial pcb (ACS RFID Reader)
B	C-020509-003	128*64 1,54" OLED display
C	S-021401-020	PCB for OLED display
D	PL-MB33-1600	Low-profile miniature 33 pushbutton
E	PM-M186	RGB Lamp-Holder 1-LED 12V
F	S-080507-100	Token entry (standard 2+2)
G	AE-0202	AA Stick-microswitch
H	P-TB0301-00T	Shield glass







### 4.3 Size



## 5. Connections and interfacing

### 5.1 Connection sockets

<p><b>2 x 5p - power and pulse communication between main Pcb and host or Servo-relay Pcb:</b></p> <p><b>10 PIN PULSE (X1)</b></p> <table border="1"> <tr> <td>GND</td> <td>1</td> <td>2</td> <td>+12/24 Vdc</td> </tr> <tr> <td>OUT5</td> <td>3</td> <td>4</td> <td>OUT6</td> </tr> <tr> <td>IN2/OUT7</td> <td>5</td> <td>6</td> <td>IN1/INHIBIT</td> </tr> <tr> <td>OUT1</td> <td>7</td> <td>8</td> <td>OUT2</td> </tr> <tr> <td>OUT3</td> <td>9</td> <td>10</td> <td>OUT4</td> </tr> </table> 	GND	1	2	+12/24 Vdc	OUT5	3	4	OUT6	IN2/OUT7	5	6	IN1/INHIBIT	OUT1	7	8	OUT2	OUT3	9	10	OUT4	<p><b>1 x 4p - communication between ACS Card/Key Reader and device main Pcb:</b></p> <p><b>4 PIN CCTALK (X3)</b></p> <table border="1"> <tr> <td>DATA</td> <td>1</td> </tr> <tr> <td>GND</td> <td>2</td> </tr> <tr> <td>NC</td> <td>3</td> </tr> <tr> <td>+12/24 V</td> <td>4</td> </tr> </table> 	DATA	1	GND	2	NC	3	+12/24 V	4
GND	1	2	+12/24 Vdc																										
OUT5	3	4	OUT6																										
IN2/OUT7	5	6	IN1/INHIBIT																										
OUT1	7	8	OUT2																										
OUT3	9	10	OUT4																										
DATA	1																												
GND	2																												
NC	3																												
+12/24 V	4																												
<p><b>2 x 3p - communication between RGB pushbutton and device Pcb:</b></p> <p><b>6 PIN PUSHBUTTON</b></p> <table border="1"> <tr> <td>N.O.</td> <td>1</td> <td>2</td> <td>LED.R</td> </tr> <tr> <td>+12V</td> <td>3</td> <td>4</td> <td>LED.B</td> </tr> <tr> <td>GND</td> <td>5</td> <td>6</td> <td>LED.G</td> </tr> </table> 	N.O.	1	2	LED.R	+12V	3	4	LED.B	GND	5	6	LED.G	<p><b>1 x 2p - communication between Token inlet microswitch and device Pcb:</b></p> <p><b>2 PIN MICRO-SWITCH</b></p> <table border="1"> <tr> <td>N.O.</td> <td>1</td> </tr> <tr> <td>COMMON</td> <td>2</td> </tr> </table> 	N.O.	1	COMMON	2												
N.O.	1	2	LED.R																										
+12V	3	4	LED.B																										
GND	5	6	LED.G																										
N.O.	1																												
COMMON	2																												

### 5.2 Interfacing the TKC device to the equipment

The device communicates in the same way as a Pulse coin acceptor, set as Totalizer (Accumulator).

- If the host pcb expects to receive active low TTL (Open Collector) signals, set the TKC to the compatible OUTPUT: see section 8.5.3.
- If the equipment expects to (1) read the activation of a simple clean contact, or to (2) receive d.c. or a.c. power, the TKC device must be connected to the equipment through the Alberici Servo-relay interface. Connections in cases (1) and (2) are shown below. In such a case, OUTPUT 4 must be set as the TKC credit OUTPUT (see section 8.5.3).

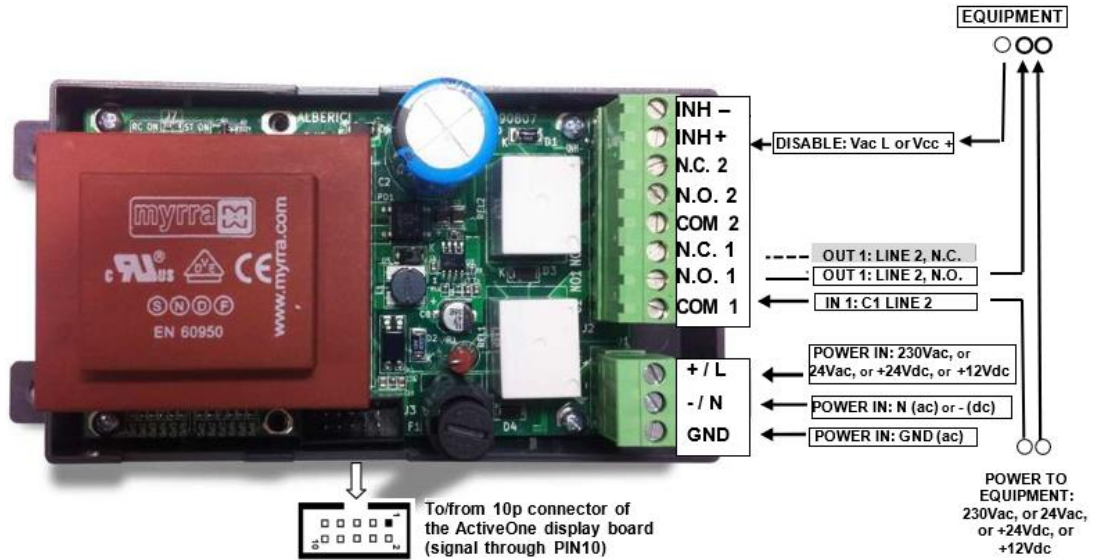
**When used in conjunction with the TKC device, the Servo-relay pcb will also provide power to the TKC.**

The TKC device can be connected to the Servo-board by a 10p flat cable.

Power the Servo-board by the 3p socket J1, according to the following pattern:

	230 Vac	24Vac	24Vdc	12Vdc
Pin 3:	line 230Vac	line24Vac	+24Vdc	+12Vdc
Pin 2:	neutral	neutral	0Vdc	0Vdc
Pin 1:			GND	GND

**5.2.1 Connections to start the equipment by relay transmission of a.c. or d.c. power supply:**



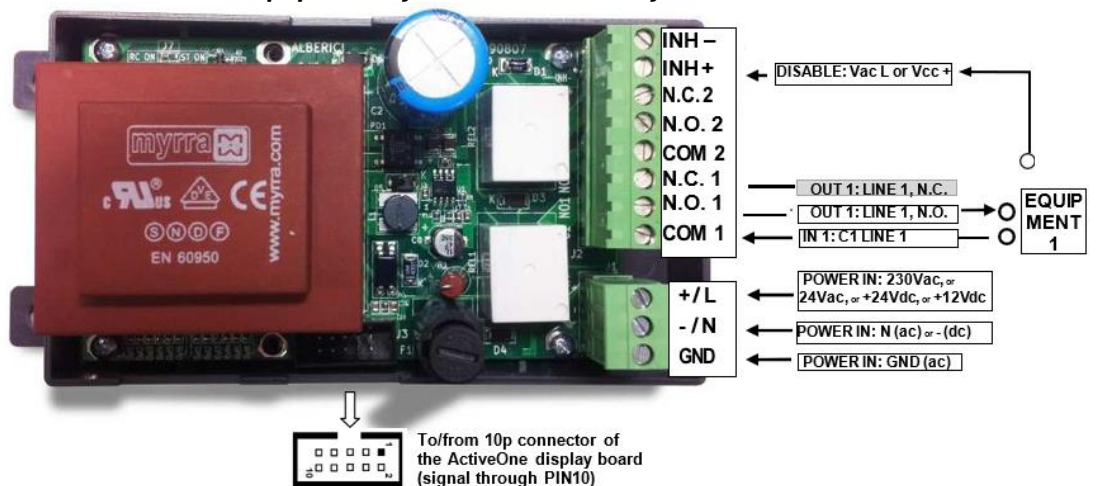
From power supply, connect one line cord straight to the relevant actuator (i.e. electrical motor, solenoid, a.s.o.). Connect the other end to pin 1 (COM 1) of J2 connector.

If operation mode is “normally open”, connect the switching wire to the equipment actuator from pin 2 (N.O. 1). These wires must be able to sustain 10 Amps current draw.

If operation mode must be “normally closed”, connect the switching wire to the actuator from pin 3 (N.C. 1). If the actuator works by d.c., take care to connect properly positive and negative poles!

To disable the TKC device, provide any Vdc (+) or Vac (line value) to pin 7 of the J2 connector.

**5.2.2 Connections to start the equipment by clean contact relay switch:**



From pin 1 (COM 1) of the J2 connector, take a wire to the actuator.

If operation mode is “normally open”, take the second switching wire to the actuator from pin 2 (N.O. 1).

If operation mode is “normally closed”, take such wire from pin 3 (N.C. 1).

To disable the TKC device, provide any Vdc (+) or Vac (line value) to pin 7 of the J2 connector.



## 6. Initializing the system

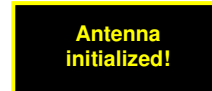
Upon powering on the device for the first time, the display will prompt to enter the PIN code that you want to use for the Card/Key Reader.

Work out one 6 digits PIN code, write it down and keep it in a safe place.



To enter each digit, make use of the “+” and “-“ button-keys located behind the display (main pcb). The “+” button-key is located right side when seen from the front of the display. These keys allow to scroll the ten figures (0-9) and set the one chosen for each digit. Make use of the rectangular illuminated button on the device face panel to confirm each figure.

Once entered the last character, the display will prompt for confirmation of the PIN code. Enter it again: the initialization of the Card/Key reader will start.

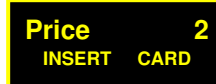


When finished, the confirmation message will be shown:

To initialize the Tags (Cards or Keys), follow the steps shown in section 8.4 Set up Peripheral Units.

## 7. Operation

When the device is connected and powered, its OLED display shows the Price of the service, then it invites to insert a Token, or a Card, or a Key, according to what has been set in the menu (see 7. Menu Settings). Even though it has been set to “Insert Token”, it will accept the card or the key; even though it has been set to prompt for a Card or Key, it will accept any of the other two payment means. During stand-by, the Card/Key reader lights up blue. Supposing the cost of the service has been set to 2 €, the display will show:



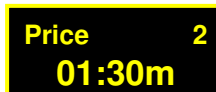
### 7.1 Operation with Token

When inserting a Token, the micro-switch activation will cause the display to show the credited amount:



The pushbutton will light up green. Press the pushbutton to start the service. The pushbutton will remain illuminated still yellow through the service time.

If the count-down has been set to be displayed (see paragraph 8.5.1 TIME AND PRICE, in section 8.5 Settings Menu), its progress shall be shown; supposing it has been set to 90 seconds:



.....



### 7.2 Operation with User Card/Key

The User Card/Key must be initialized with the same PIN as the RFID reader (see section 6. **Initializing the system**).

When inserting a compatible RFID User Card/Key, the Card/Key reader and the pushbutton will light up green if the available credit is enough to buy one service, and the available credit gets shown, i.e.:



If the available credit is not enough, the Card/Key reader will light up green but the pushbutton will stay blank.

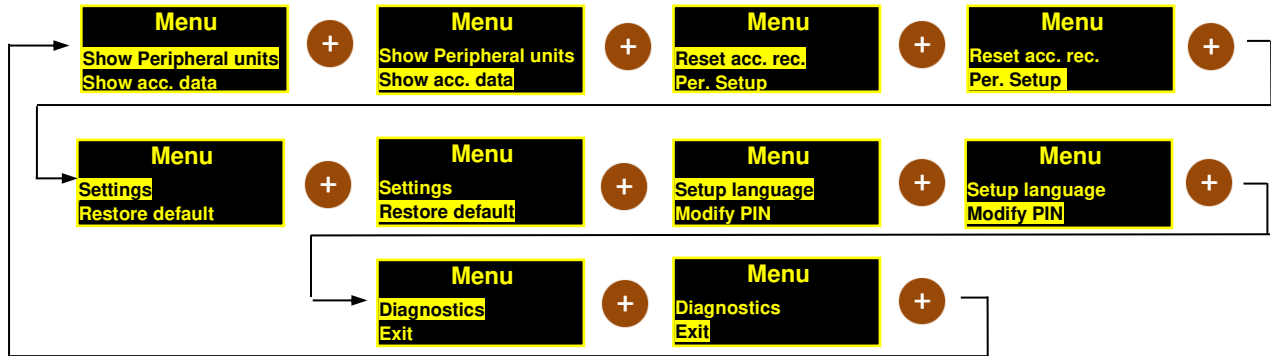
The ACS Card/Key reader will flash red if the PIN of the Card/Key does not match the PIN of the ACS reader, or if the Card/Key has not been initialized. If the Card/Key does not contain enough credit, the Card/Key must be re-charged at the office or at the relevant re-charging device (see section 9.2).

If the pushbutton is green, press the button once to start the service, and remove your Card/Key.

## 8. Setting up the Configuration Menu

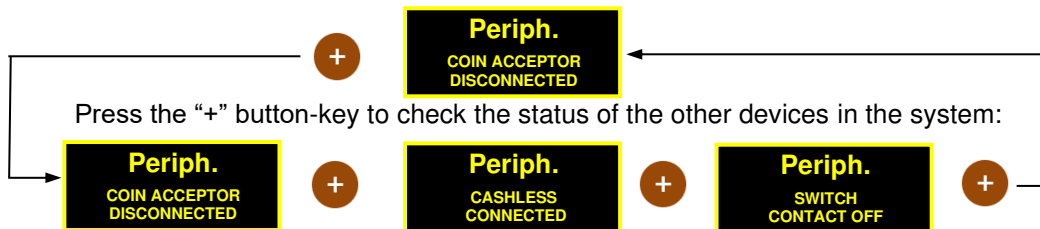
To get access to the menu, press at the same time the two button-keys located behind the OLED display. The display will show the first options available and, at the same time, the front pushbutton will light up green.

Press any of the two back keys to navigate the menu. The “+” button-key (located right side when seen from the front of the display) allows to scroll the revolving sub-menus up-down, the other allows to scroll down-up. To enter the chosen sub-menu option or to confirm the set data, press the pushbutton on the front (OK).



### 8.1 Show Peripheral Units

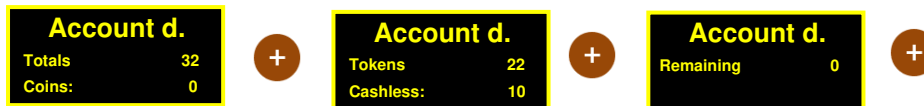
Press the front pushbutton while this sub-menu is highlighted. The display will show the following options:



Press the front pushbutton to go back to the menu. Then press the “+” key to highlight the next sub-menu.

### 8.2 Show Accounts data

Press the front pushbutton while this sub-menu is highlighted. The display will show the following options:

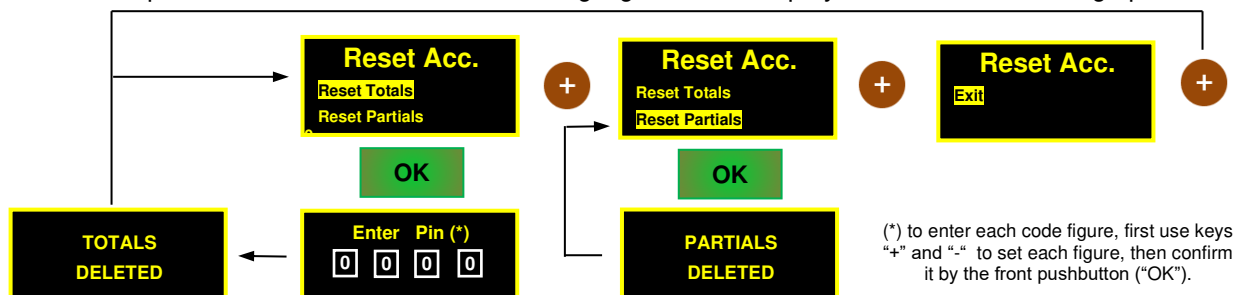


“Remaining” = money paid in excess with regard to the service received.

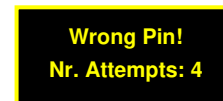
Press the front pushbutton to go back to the menu. Then press the “+” key to highlight the next sub-menu.

### 8.3 Reset Accounts Records

Press the front pushbutton while this sub-menu is highlighted. The display will show the following options:



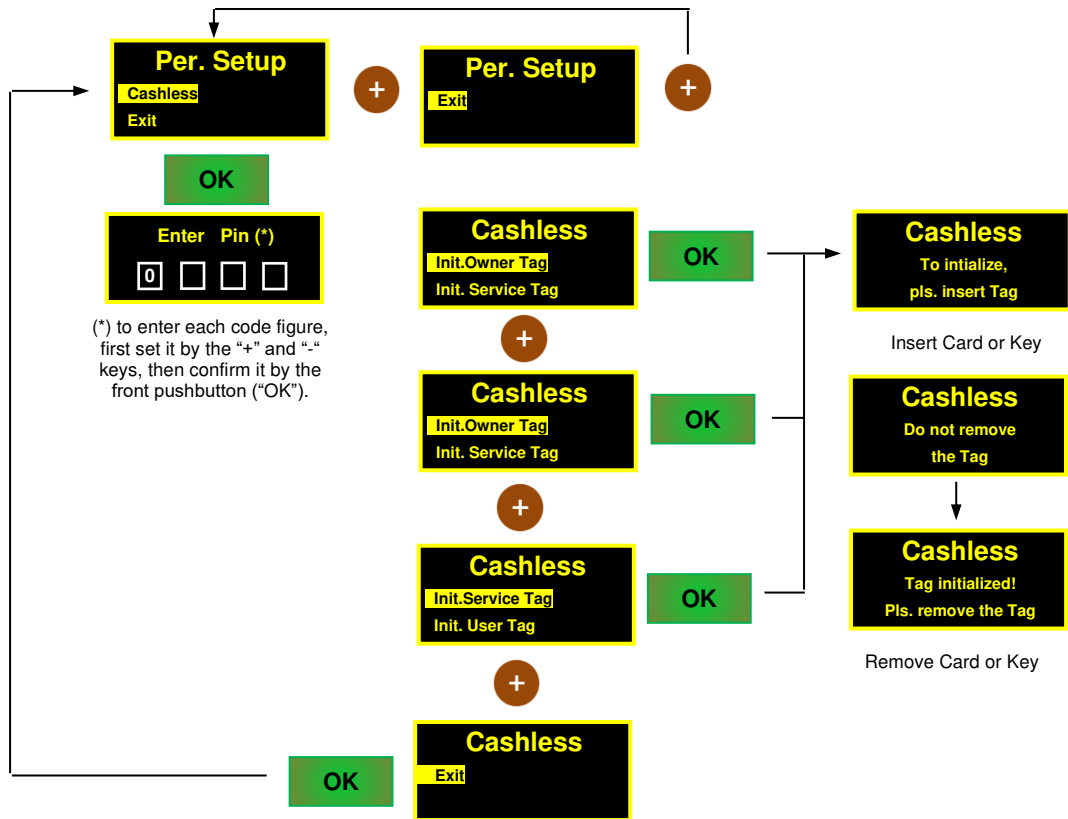
Should the entered PIN be wrong, the alongside message will be shown:



Press the front pushbutton when “Exit” is highlighted to go back to the main menu. Then press the “+” key to highlight the next sub-menu.

### 8.4 Setup the peripheral units (ACS Cashless Reader for Cards and Keys)

Press the front pushbutton while this sub-menu is highlighted. The display will show the following options:



Press the front pushbutton when "Exit" is highlighted in the "Per. Setup" menu to go back to the main menu. Then press the "+" key to highlight the next sub-menu.

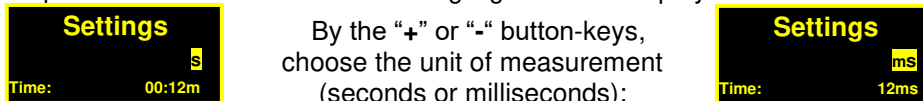
### 8.5 Settings (setup service price, duration time, output setting, other functions)

Press the front pushbutton while this sub-menu is highlighted. The display will show the following options:



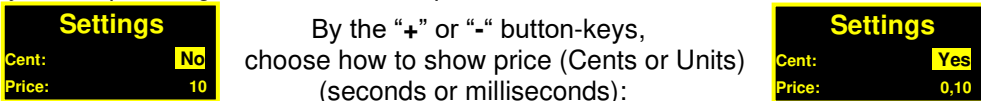
#### 8.5.1 TIME AND PRICE

Press the front pushbutton while this function is highlighted. The display will show:



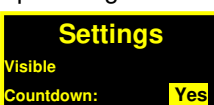
By the "+" or "-" button-keys, choose the unit of measurement (seconds or milliseconds):

Press the illuminated pushbutton: the cursor will highlight the duration time of the service. Set it by the "+" or "-" button-keys, then press again the illuminated pushbutton to confirm duration and move to the Price setting.



By the "+" or "-" button-keys, choose how to show price (Cents or Units) (seconds or milliseconds):

Press the illuminated pushbutton: the cursor will highlight the price of the service. Set it by the "+" or "-" keys, then press again the illuminated pushbutton to confirm price and move to the next setting:



By the "+" or "-" button-keys, set it to Yes if you want the display to show the count-down; else, set it to NO.

Press the illuminated pushbutton to step back to the Time and price function. Then press the "+" key to highlight the next function.

### 8.5.2 AUTOMATIC RELOAD

Press the front pushbutton while this function is highlighted. The display will show:



By the “+” or “-“ button-keys, set it to Yes if you want the device to extend the duration of the service for as long as there is enough credit available. Else, set it to NO.



- If Yes has been chosen, and the payment is made by Tag (Card or Key), the duration of the service will be extended without interruption for as long as there is enough credit available in the Tag. The service can be terminated while in progress by removing the Tag from the ACS Reader; however, the service shall go on until the time remaining to cover the latest credit portion has elapsed.
- If Yes has been chosen, and the payment is made by inserting several Tokens, the duration of the service will be extended without interruption for as long as the accumulated credit runs out.

Press the illuminated pushbutton to step back. Then press the “+” key to highlight the next function.

### 8.5.3 SET OUTPUT

Press the front pushbutton while this function is highlighted. The display will show:



By the “+” or “-“ button-keys, set as “V” the Output that you want to use to signal to the host pcb that service must be dispensed. Confirm each Out setting by pressing the illuminated pushbutton.



The device communicates in the same way as a Pulse coin acceptor, set as Totalizer (Accumulator). If the device must be connected to the Alberici Servo-relay interface, set OUTPUT 4 as the credit output. Set the most convenient OUT if the host pcb manages active low TTL (Open Collector) signals.

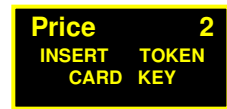
Press the illuminated pushbutton to step back. Then press the “+” key to highlight the next function.

### 8.5.4 STANDBY TEXT

Press the front pushbutton while this function is highlighted. The display will show:



By the “+” or “-“ button-keys, set as “V” the payment mean(s) that you want to appear in the display during stand by. For instance, the “V” setting shown will produce this message:



Press the illuminated pushbutton to confirm each choice. Last confirmation will bring back to the sub-menu. Then press the “+” key to highlight the next function.

### 8.5.5 BRIGHTNESS

Press the front pushbutton while this function is highlighted. The display will show:



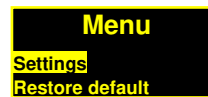
By the “+” or “-“ button-keys, set the intensity that you deem best for the operation environment, and confirm by pressing the illuminated pushbutton.

### 8.5.6 EXIT

Press the front pushbutton while this function is highlighted.

The display will go back to the upper step:

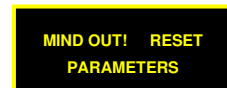
Press the “+” key to highlight the next sub-menu.



### 8.5.6 Restore default configuration

Press the front pushbutton while this function is highlighted.

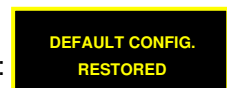
The display will briefly warn that all data will be reset to the parameters originally set by default. It will be necessary to re-program them according to the needs.



It will be requested to enter the PIN code:



Enter the PIN code: use keys “+” and “-“ to set the desired figure, then confirm by the front pushbutton (“OK”). Repeat for each digit until the confirmation message appears:



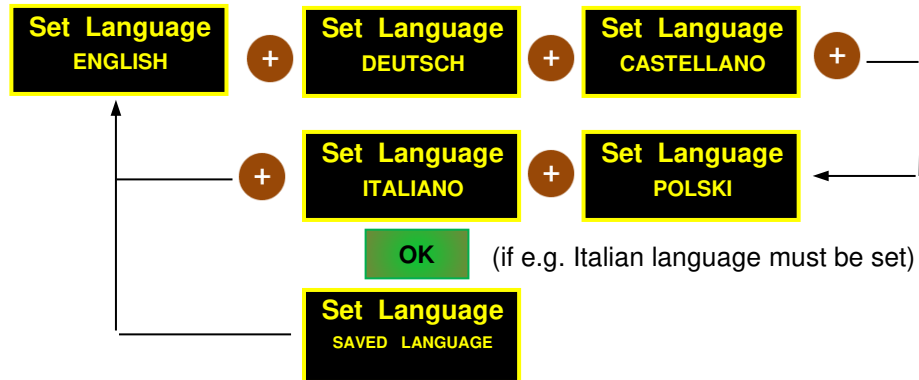
The system will automatically step back to the menu:



Press the “+” key to highlight the next sub-menu.

### 8.5.7 Setup Language

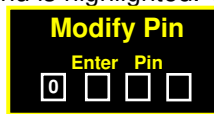
Press the front pushbutton while this sub-menu is highlighted. The display will show:



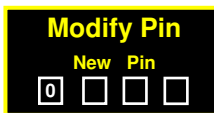
Press the front pushbutton to go back to the menu. Then press the “+” key to highlight the next sub-menu.

### 8.5.8 Modify PIN

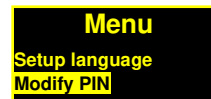
Press the front pushbutton while this sub-menu is highlighted. The display will request to enter the PIN code:



Enter the existing PIN code: use keys “+” and “-” to set the first figure, then confirm by the front pushbutton (“OK”). Repeat for each digit until the next message asks to enter the new PIN:



Enter the new PIN code that you want to use: by the keys “+” and “-” set the first desired figure, then confirm by the front pushbutton (“OK”). Repeat the same steps for each digit, until confirmation of the fourth digit saves the new PIN and steps the display back to the sub-menu option:



Press the “+” key to highlight the next sub-menu.

### 8.5.9 Diagnostics

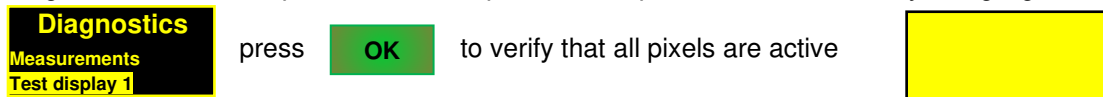
Press the front pushbutton while this sub-menu is highlighted. The display will show:



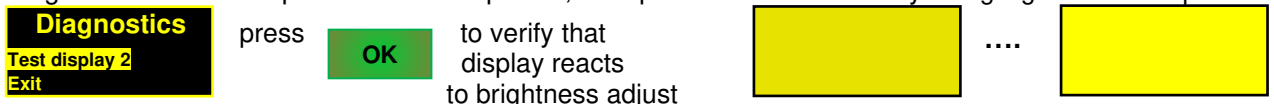
Press the illuminated pushbutton to display the detected working conditions:



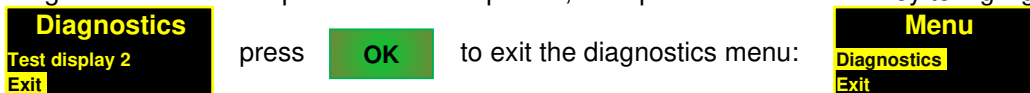
Press again the illuminated pushbutton to step back, then press the “+” button-key to highlight the next option:



Press again the illuminated pushbutton to step back, then press the “+” button-key to highlight the next option:

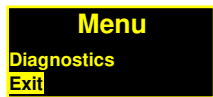


Press again the illuminated pushbutton to step back, then press the “+” button-key to highlight the next option:

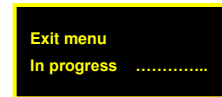


Press the “+” key to highlight the next sub-menu.

### 8.5.10 Exit




press  to abandon the configuration menu:



and to automatically step back to stand-by condition:



 Once the menu settings have been changed, make sure to have exited, then switch the device off and on to start working according to the new settings. Exiting the menu will not be enough to activate the changes made.

## 9. Managing Cards / Keys by the ACR Programming Station

### 9.1 Initializing the User Cards/Keys

The easiest way to initialize the Tags (Cards/Keys) is to do it on the TKC device (see section 8.4 above).

An alternative option is to make use of the ACR programmer (K-P4N-000007).

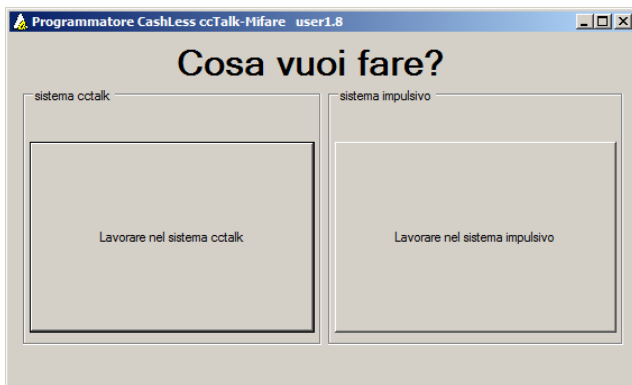
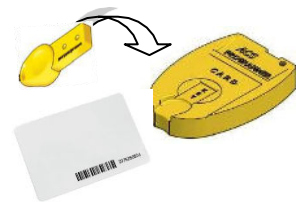
 The code used in the TKC to initialize the Card/Key reader must be known.

Connect the ACR programmer box to a USB Port of your PC: it will take about 1 minute to install the drivers and get the programming box ready for use.

In case the programming unit should not find the USB drivers in your PC, they are in the software-CD included, or from the Download Area of [www.alberici.net](http://www.alberici.net) (Download Area / Programmer Kits / Driver Silicon Lab 2K3 XP Vista 7.rar).

From the Start button at the bottom-left of your PC, select Control Panel, then Device Management: among the "Ports (COM and LPT) list, find out the programmer box "Silicon Labs", and double click it. In the setting window that opens up, choose the tag "Driver", and click "Update driver": follow the instructions displaying. When the programmer box is ready, its pilot light will turn from red to green.

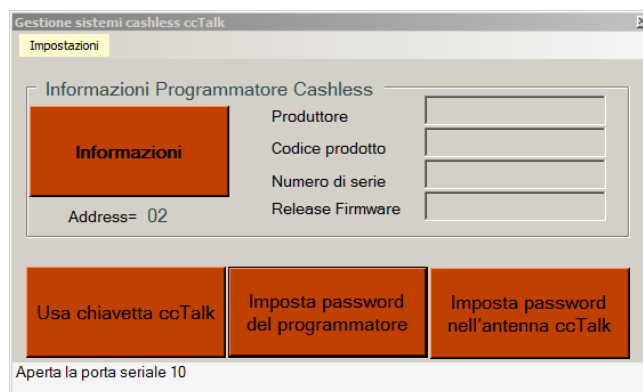
Start the program "cctalk-mifare.exe". The following prompt will be displaying:



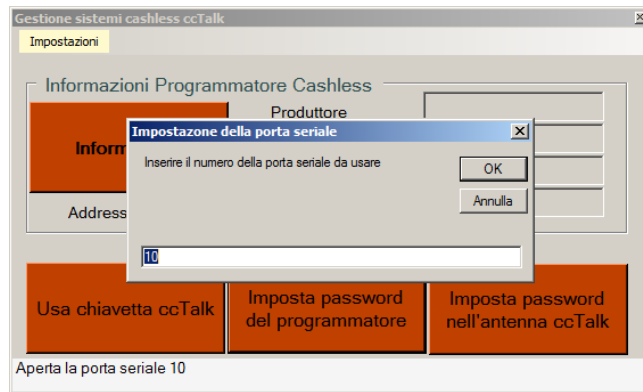
Choose 'Lavorare nel sistema cctalk' ('operate in cctalk').

The window shown in the next page will appear:

Choose 'Lavorare nel sistema ccTalk' ('Operate in ccTalk'), then the window below will appear:

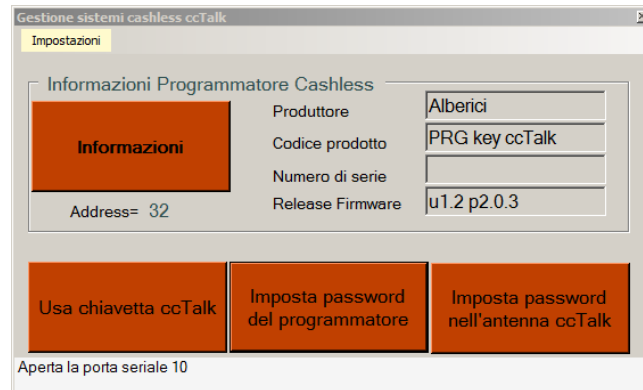


Check that the application reads from the right USB Port: click 'Impostazioni > Porta seriale' ('Setup > Serial Port'), type down the right Port nr. (ex. nr. 10), and confirm by the OK button.

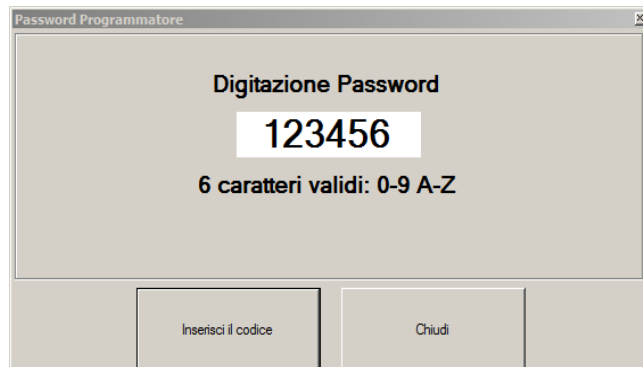


Lay one User Card/Key on the ACR programmer shaped seat.

Click "Imposta password del programmatore" ('Temporarily set the Card/Key reader code in the programmer box'),

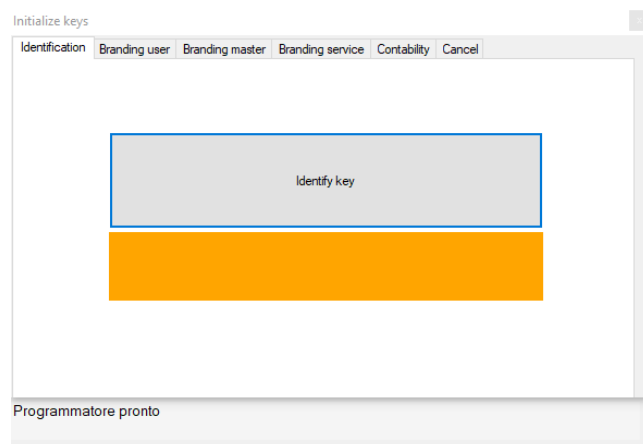


and write in the white box the code of the ACS reader to which the Card/Key must be matched: i.e., if the TKC / ACS reader to which the Card/Key must be matched has been initialized with Password 123456, the same figure must be entered:



To end this step, click 'Inserisci il codice' ('Enter PIN code') and 'Chiudi' ('Close Window').

Now click the button 'Usa chiavetta ccTalk' ('Manage cctalk Card/Key'), the management window will appear:



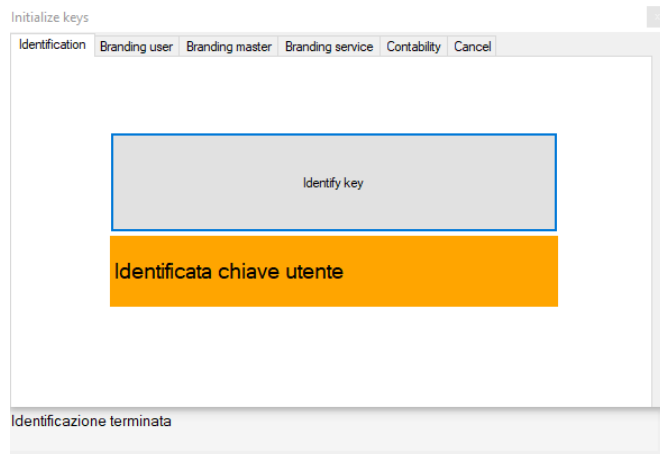
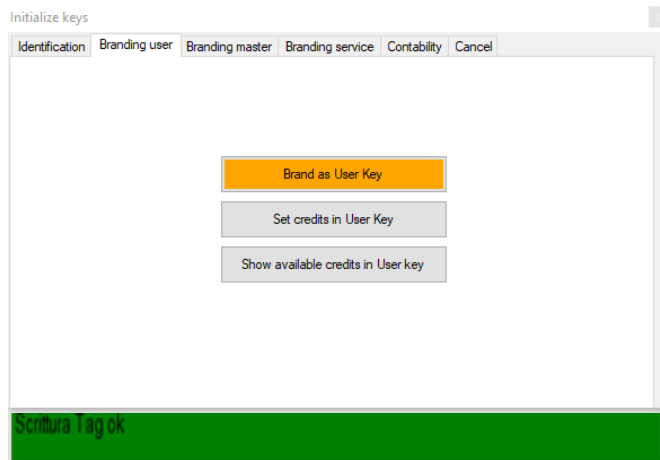
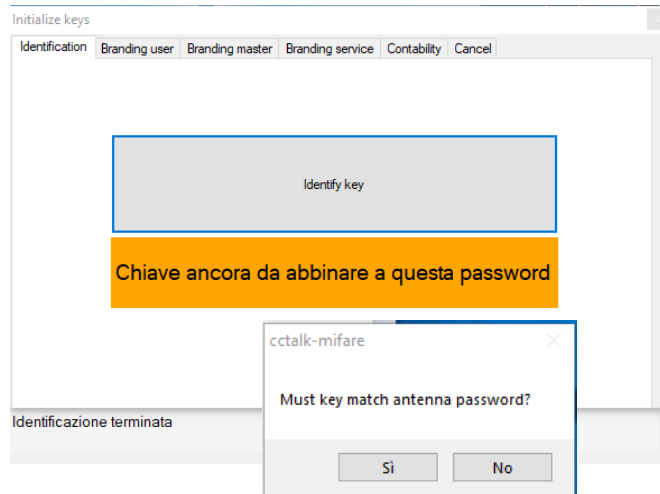
Click 'Identifica chiavetta' ('Identify this Card/Key'). If the Card/Key is not compatible, the message 'Chiavetta non associata Alberici' ('Card/Key not compatible with Alberici reader') will appear. If the Card/Key has not yet been initialized, the orange bar in the side window shall appear, showing 'Chiave ancora da abbinare a questa password' ('Virgin Card/Key, not yet matching this Password'). An additional e prompt window will ask whether it must be matched and branded or not:

Click 'Si' ('Yes') to proceed, or 'No' to leave.

Choose your preferred option among 'Branding User Card/Key', 'Branding Master Card/Key', and 'Branding Service Card/Key'.

Click the orange-lit button and wait until the confirmation message (at the bottom against green background) confirm that the Tag has been correctly branded 'Scrittura Tag OK'. It is now possible to load it with credits by the button 'Impostazione crediti nella chiave utente' ('Set credits in the User'), or to remove it and go on with another one

If the User Key has already been initialized to work with the same reader (i.e. with code 123456), the message 'Identificata chiave Utente' ('User key identified') will be displayed, and it will be possible only to check credits by the button 'Visualizzazione crediti nellchiave Utente' ('Display credits existing in the User key'), or to load credits by the button 'Impostazione crediti nella chiave utente' ('Set credits in the User key').



**VERY IMPORTANT:**

**KEYS CANNOT BE INITIALIZED TWICE, AND THEY WILL BE ABLE TO EXCHANGE DATA ONLY WITH THOSE ACS READERS THAT SHARE THE SAME INITIALIZATION PIN CODE.**



## 9.2 Filling the Card/Key with credits

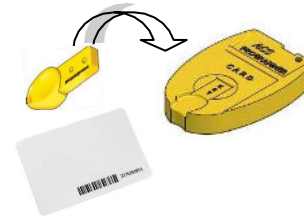
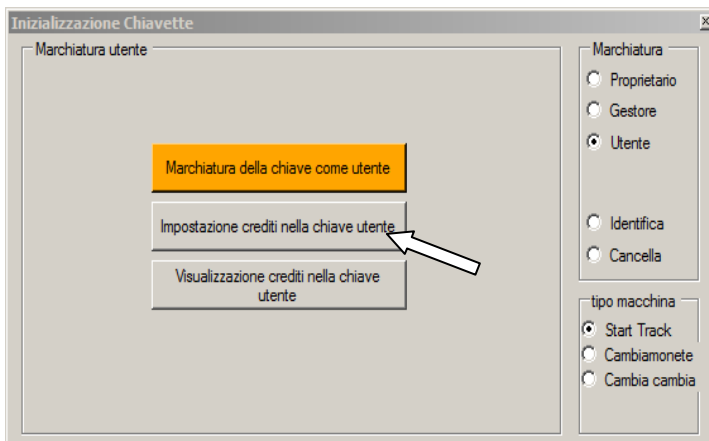
Cards/Keys must of course be already initialized with the same password relevant to the ACS module(s) where they will be used. The credits can be charged / added to the Card/Key in any of the following ways:

9.2.1 *Self-Service charging kiosk*: the kiosk must contain the Card/Key ACS module, the Alberici ccTalk coin acceptor, and/or the note validator. An easy example of such charging kiosk is the Hira range of Token Dispensers: Hira One, Hira 2 Mini, Midi, Maxi. The Customer will insert his/her Card or Key into the ACS module, then he/she will introduce coins/note(s); eventually, he/she will press the button for charging up the credit, and the kiosk control board will transfer the inserted amount to the Card/Key through the ACS module.

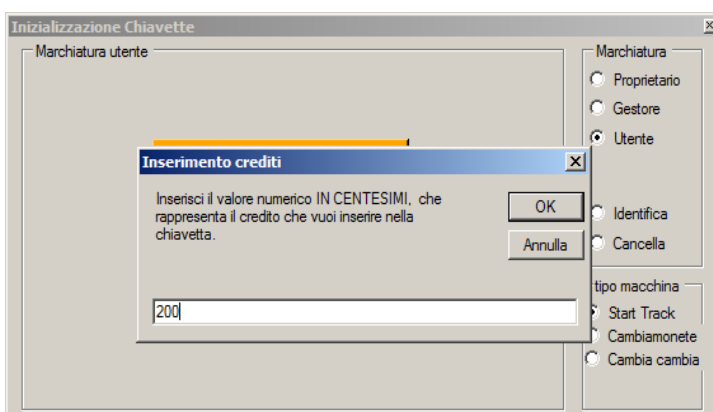
9.2.2 *Key Loader One (at the Manager Office desk) - for Keys only!*: this device allows to initialize User Keys and recharge them with credits without using the PC. It just needs connection to a 100-240V socket. Please check the relevant manual for details.



9.2.3 *ACR programming station (at the Manager office desk)*: each Card/Key must have been already initialized using the same password relevant to the ACS module(s) where it will be used.



Choose 'Impostazione crediti nella chiave utente' ('Set up credits'), then type the credit amount in the white box opening up.



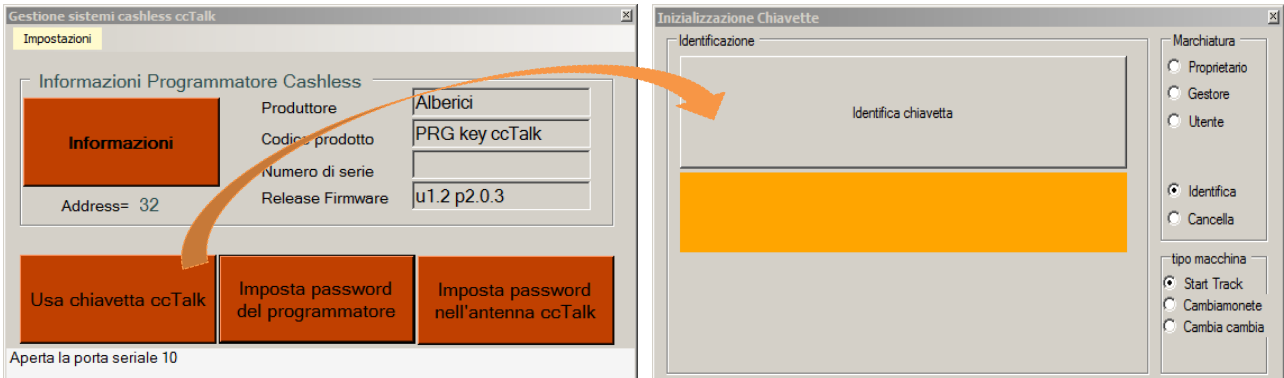
Credit must be written in hundredth parts, i.e. 2 € = 200.

Confirm by the OK button, and close down the windows by clicking on the crossed boxes at top-right corners of each window. Or, repeat the steps to fill other initialized User Card/Keys with credit.

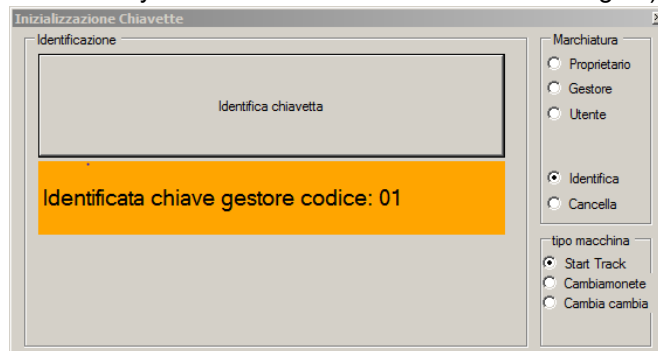
If one new or several new Cards/Keys must match a different reader, take care to set the 6-digit code of this Card/Key reader before initializing this/these User Card/Key(s).

### 9.3 Check accounts

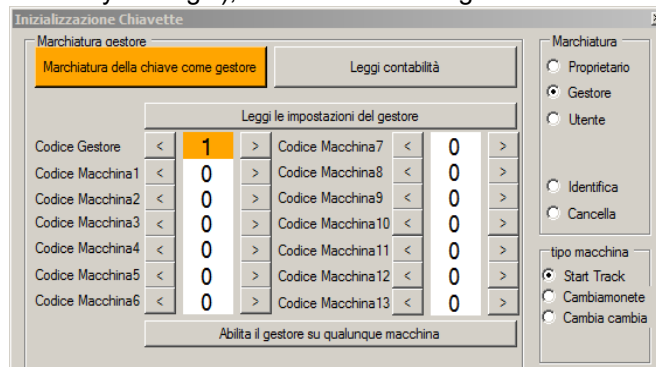
Accounts registrations get automatically downloaded on the Service Card/Key as the latter is removed from the ACS reader. To read the data, lay the Card/Key on the ACR Programmer Box, and start the “cctalk-mifare.exe” program. In the home window, select ‘Usa chiavetta ccTalk’ (‘Manage cctalk Card/Key’).



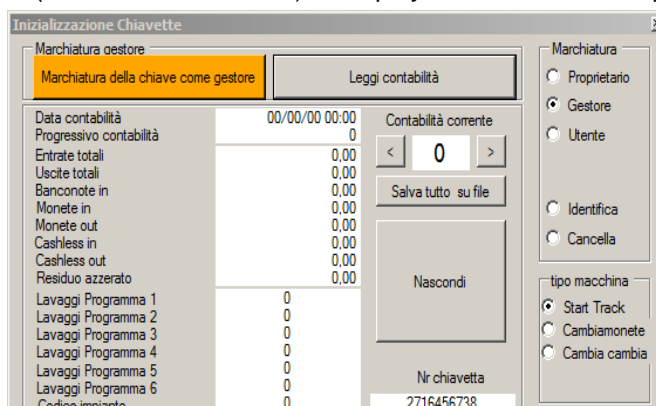
Click on ‘Identifica chiavetta’ (‘Identify this Card/Key’): the below confirmation message “Identificata chiavetta Gestore codice: 0n” (‘Service Card/Key with code nr. 0n has been acknowledged’) will be displayed



Tick “Gestore” (‘Service’): access will be given to the audits below. Click “Leggi le impostazioni del gestore” (‘Show Service Card/Key settings’), to check the settings of the Service Card/Key:



Click on “Leggi contabilità” (‘Read Accounts data’) to display the Accounts data previously downloaded:



## 10. Disposal of the Product



**WARNING! DISPOSE OF ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY!**

This equipment may not be treated as household waste. Instead, it must be handed over to the applicable collection point for the recycling of electric and electronic equipment. By ensuring that this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

For more detailed information about recycling of this product, please contact the Dealer where you purchased it.

## 11. Guarantee

The manufacturer will fix malfunctions arising from production faults in this machine or parts of it within 12 months from the date of sale.

All communications referring to guarantee repairs or replacements must be accompanied by the product serial number and the copy of the sale invoice.

To obtain your guarantee repair, please send the part to the Dealer where you purchased the machine, together with the following documents:

- copy of the sale invoice
- delivery note stating "returned for guarantee repair"
- detailed report of the problem found and the circumstances in which it occurs.

Before sending the product to the Manufacturer, please get in touch with your Dealer or with Alberici S.p.a. (+39 051 944300); very often malfunctions can be fixed via a simple phone call, saving you costs and time.

Alberici S.p.a. will verify that warranty is applicable, i.e. that problem is not caused by:

- transport damages
- damages from incorrect installation or wrong configuration
- installation in premises or areas not complying with the prescribed safety requirements
- intentional or unwilling tampering
- wrong or careless use or maintenance
- non-compliance with precautions prescribed (see Chapter 4. Caution)
- natural disasters, vandalisms, intentional or unintentional damage

Guarantee is considered automatically expired if outer and inner labels are missing.

Transport costs of repaired products are at the Customer's charge.

## 12. Customer service

Alberici S.p.a. will be pleased to offer all the necessary information on use, ordinary maintenance and technical service. Please call (+39) 051 944300 and specify if your request concerns information on use or technical support.

### NOTE

Alberici S.p.A. reserves the right to make changes to the equipment described and to its technical specifications at any time and without notice, in pursuit of the continual improvement of its products.



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