

KEY-LOADER ONE ACS

User Manual

Rev. 1.00 EN



CE

Alberici[®]
CASH SOLUTIONS

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NOTICE

This manual has been drafted with the utmost care. Nevertheless, it is not possible to guarantee at all times the absolute correspondence of the descriptions contained therein with the actual characteristics of the product. Alberici S.p.A. declines any and all responsibility towards the User with reference to damages, losses, or claims of third parties, resulting from the use of the product or caused by incorrect interpretations of this manual. Alberici S.p.A. reserves the right to modify, without prior notice and in any way, any part of this manual and the technical specifications of this product, as part of the continuous pursuit of improvement of its products.

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Dear Customer,

we would like to thank you and congratulate for your choice. We trust that you will appreciate the quality and performance of the Alberici Key-Loader One ACS. This device operates by cctalk protocol, the well-established serial communication mode that provides security and precision.

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

1. Package content

The package contains:

1. the Alberici "Key-Loader One ACS" recharger for ACS RFID Keys
2. the power cable with power adapter (already connected to the device)
3. the instruction manual (this manual)

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, and ask him to record your findings on the delivery receipt.

All packaging material must be recycled or disposed of in compliance with your local applicable laws.

2. Components description

The Key-Loader is one-piece with its 100-240Vac power box. It just needs being plugged into the mains.



General Data

Dimensions W x H x D (mm)	125 x 125 x 60
Power supply	100 – 240 V ~
Current draw	Max 150 mA (240V) / Max 360 mA (100V)
Operating temperature	-10°C ÷ +50°C (humidity 10% ÷ 90% non condensed)

Introduction

The Alberici KEY_LOADER ONE ACS is intended to manually load credits on the ACS RFID Keys independently from PC connection and PC programming software. The key can be read or written (R/W) only by the ACS module sharing the same password (6-digit PIN) with the RFID key.

For this reason, it must be recharged by a Key-Loader initialized by the same 6-digit PIN number of the RFID Key.

VERY IMPORTANT:
KEYS WILL BE ABLE TO EXCHANGE DATA ONLY
WITH THOSE ACS READERS AND RECHARGING STATIONS THAT SHARE THE SAME 6-DIGIT PIN
PASSWORD



An alternative option is the ACR PC-Programmer for ACS Keys: this device need:
be connected via USB to a PC supported by the ACS programming software.
Its advantage is that it allows to download the account statistics collected
on the various ACS reader by the service keys.



If lost, the passwords cannot be recovered, not even by Alberici S.p.A.: once the password(s) have been produced for the ACS reader module, it /they must properly be recorded and kept secret.

Charging credits on the ACS RFID keys

First of all each key must be initialized using the same password relevant to the ACS module(s) where it will be used. This can be obtained on the same reader module (ex. byn the self-service recharge kiosk or Change machine or Start machine), or by an ACR PC-programming station (PC + RW module).

The credits can be charged or added to the key chip in one of the following three ways:

- Key-Loader One ACS: see section 6.2 below.
- Charging station - the ACR PC-programming station can be used to charge credits into the keys.
- Or, the station can be a self-service kiosk, containing the RW module, the coin acceptor and/or the note validator. The Customer will insert his/her key into the module, then he/she will introduce coins/note(s); eventually, he/she will press the button for charging, and the control board will transfer the introduced amount to the key chip through the ACS reader module.
- Charging station integrated with the activation machine - when the key is inserted, the module will read the data contained and will transmit them to the machine control board; it will then remain waiting for instructions from the latter. The Customer will introduce coins/note(s), and the control board will prompt him/her to choose whether to obtain a product/service or to add credits onto the key: he/she will press the corresponding button, and if such button is for charging the key, the pcb will transfer the introduced amount to the key chip through the ACS module.

How to use the Key-Loader One

6.1 Setting up the Key-Loader module:

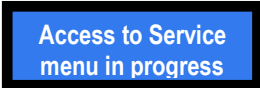
Insert the power box of the Key-loader in a 100-240V socket. The display shall light on, showing



After a few seconds, self-configuration will end and the device will be ready for operation.

Insert the Owner/Master Key (black): the display will prompt to insert the 6-digit PIN code. **Choose your 6-digit PIN, write it down in a document and store this one in a safe place that you can retrieve the PIN from, in case you forget it.** Enter the PIN twice: the display will confirm that the reader and the Master Key have been initialized.

When inserting again the Master Key, the display will show briefly



then it will show:



6.1.1 ACCOUNT RECORDS

Press OK to audit the Accounts; the display will show the Total and Partial credit values that have been charged by the Key-Loader on the keys from last reset:



Exit details of ACCOUNT RECORDS by either OK or SEL buttons:



Notice: whenever exiting one Menu function, the Menu will start again from the ACCOUNT RECORDS function. Move to next functions by pressing the SEL button.

6.1.2 INITIALIZE KEYS

Touch the SEL button to shift to:



If you want to initialize other keys, I.E. Service or User, press OK; the display will prompt to enter the 6-digit PIN:

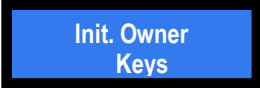


.....

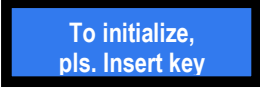


Set each figure by the SEL button and confirm it by the OK button. Once the 6th digit has been confirmed, the display will prompt to insert the code once again to confirm it. In case of mistakes, select < among the symbols available, and press OK to cancel the latest digit inserted. If the confirmed PIN is wrong, the message will appear, and after 3 seconds you will again be prompted to enter the right PIN.

After confirming the PIN, the display will show:



Remove now the Owner/Master Key:



Insert the new key taht you want to initialize; if this one has already been initialized, the display will warn:

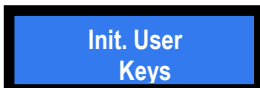


Notice: the insertion of a blurred or unusable key will cause no result but for the key reader to flash red.

If the key has not been initialized yet, the display will prompt to name the new key; press SEL button to chose between



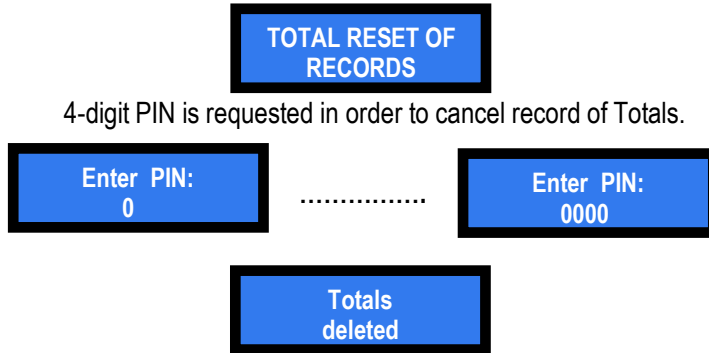
and



then press OK to start initialization; once finished, remove the key. Repeat for as many keys as needed.

6.1.3 TOTAL RESET OF RECORDS

Next step in the Menu is RESET OF RECORDS; from the INITIALIZE KEYS FUNCTION, press SEL button to go to:



6.1.4 PARTIAL RESET OF RECORDS

No PIN is requested to carry out the: Just press the OK button, or the SEL button to skip this function:

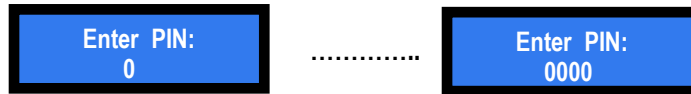


6.1.5 MODIFY PIN

Next available function is change of the 4-digit PIN:



Press OK and enter PIN:



Then confirm PIN:



6.1.6 MAXIMUM STORABLE VALUE

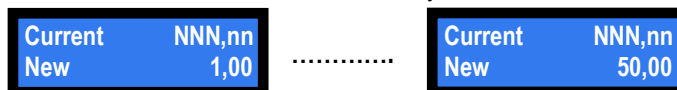
The menu allows to set the maximum amount that can be loaded onto one ACS Key:



By pressing OK, the amount available in the key will be displayed: such amount can be modified by increasing the amount at the side of "New".



Each pressure of the SEL button will increase the "New" amount by 1:



Once set the maximum value that can be loaded in the keys, confirm it or, if any error has been made, do not confirm it:



Confirmation will then be displayed:

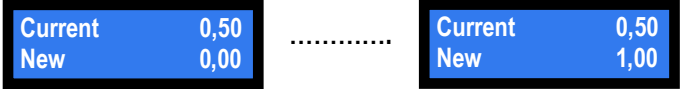


6.1.7 SET STEP-UP VALUE

The Menu provides a tool to set the single value of increase obtained per each pressure of the SEL button when loading the RFID key(s):



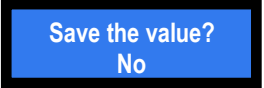
Press OK to show the current step-up credit value, and make use of the SEL button to change it by 0,01 steps.



Confirm the modified step-up amount or, if any error has been made, do not confirm it:



press OK or press SEL



press SEL or press OK

Confirmation will then be displayed:

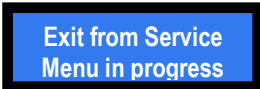


6.1.8 EXIT FROM SERVICE MENU

The Menu now will show again its starting function:



Remove the Owner/Master Key to exit the Service Menu:

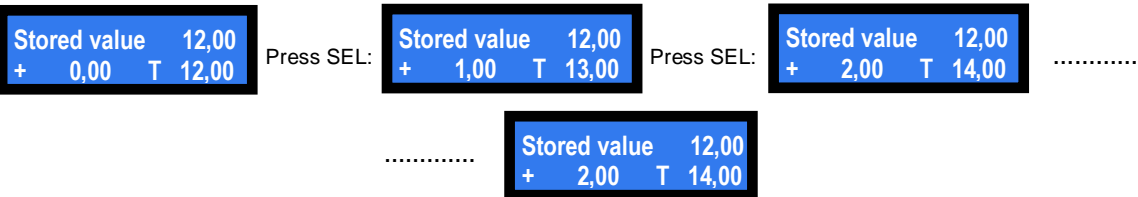


6.2 Loading the key(s) with credit value

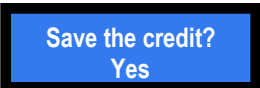
Insert the Key to be recharged in teh ACS reader of the Key-Loader. The display will show:



Where T stands for Total. Each pressure of the SEL button will increase the 0,00 field by the amount set in the "SET STEP-UP VALUE" function, e.g.:



press OK to save:



press OK or press SEL:




press SEL or press OK

Confirmation will then be displayed:



The re-loaded ACS RFID key can now be removed. Insert the next key to be recharged and repeat the same process.

7. Disposal of the product

	<p>WARNING! DISPOSE OF ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY!</p> <p>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.</p> <p>For more detailed information about recycling of this product, please contact the Dealer where you purchased this product.</p>
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8. 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, 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.

9. 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.

PLS. NOTE

Alberici S.p.A. reserves the right to modify the product at any time and without prior notice, to the purpose of continuously improve it.



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