

# Hira 2 / Hira 2 Plus

Operator's Manual

Rev. 1.03 EN

## HIRA 2 & HIRA 2 Plus Money Changer / Token Dispenser



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STORICO REVISIONI			
Revisione n°	Data	Modifica	Note
Creazione 1.00	30.12.14	Creazione	FW v. 1.14 (scheda CMS Full)
Rev. 1.01	18.02.15	Funzioni abilitazione/disabilitazione e erogazione via GSM.	FW v. 1.16
Rev. 1.02	10.03.15	Aumentato timeout visualizzazione valore svuotato. Inserito 1' Timeout di uscita in menu svuotamento	FW v. 1.18
Rev. 1.03	27.06.15	Abbassato timeout cancellazione automatica credito residuo	FW v. 1.19

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 HIRA ONE automatic Change Machine.

This machine 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

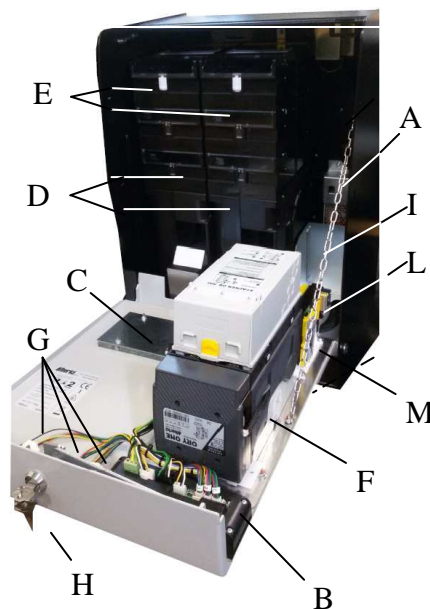
The package contains:

1. the Alberici HIRA 2 / Hira 2 Plus Change machine
2. 1 pair of keys
3. the power cable (see inside of money box)
4. 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.

## 2. Components description

POS.	COD.	DESCRIZIONE
A	A-CM0249	Power Switching box RD-125
B	SH-1A21	ChangeOne CMS board
C	S-020933-000	3 blue-led bar
D	HP-Z114	2 x HopperOne S11 ccTalk STD
E	AA-0309 AA-0312	SECTOR 100 capacity extension (HIRA 2) SECTOR 225 capacity extension (HIRA 2 P)
F	LB-LC1 <i>or else:</i> LB-MC02	BillyOne ccTalk note validator <i>or else:</i> OryOne ccTalk (stackered) note validator
G	PL-MK21-ET6H	Halo quick-fix square 21 RGB pushbutton
H	AM-1509	Flat key lock L=21mm keyed different
I	HR1-011A-P00	Metal coin box
L	GE-66SC	AL66S coin acceptor
M	IM-N000-0L10	PP coin entry slot



## 3. Product description

### 3.1 General data

Dati tecnici:	HIRA 2 Plus
Size max:	406 mm (l) x 600 mm (h) x 370 mm (p)
Size with floorstand:	406 mm (l) x 1550 mm (h) x 370 mm (p) [floorstand 406 (l) x 950 (h) x 370 (p)]
Weight:	34,5 Kg - 55 Kg with floorstand
Voltage:	230 Vac - 50 Hz
Nominal power:	140 W max
Operation temperature:	0°C ÷ +50°C
Installation:	Desktop or on floorstand or wall-mount, indoor
Coin capacity:	HIRA 2: with 2 S11 Hopper: 3900 (0,50 or 1 €), with 2 AH4 Hopper: 3600 (mixed) HIRA 2 Plus: with 2 S11 Hopper: 5800 (0,50 or 1 €), with 2 AH4 Hopper: 5300 (mixed)
Components:	
Power supply unit	Power switching 340W
Control board	CHANGEONE CMS with DISPLAY LCD 2x16
Note validator	BILLYONE, <i>or else</i> : ORYONE (stackered)
Pay-out Hopper	2 x HopperOne S11
Coin acceptor (optional)	AL66S cctalk
Remote audit (optional)	Alberici GSM-GPRS or GPS/GSM/GPRS (*)

*Notice: Euro is the preset currency. If you require a different currency, please request your currency before placing your order.*

(\*) The system requires a SIM card enabled for data traffic, and the subscription to the Portal ARGO if you want to control the machine via the Internet, or a SIM card enabled voice traffic / messages and data traffic if you only want to use SMS messaging. It is recommended to check carefully that the SIM card functions properly in the area.

### 3.2 Available functions

- Change of notes and coins into 1 denomination coins, or 2 denominations at User's choice
- Change of notes and coins into 1 denomination tokens, or 2 denominations at User's choice
- Control of accounts via display (by on-board keys)
- Programmable via menu (by on-board keys)
- Change of display language by external "SEL" pushbutton, at User's choice.

## 4. Warning



- Comply with the instructions in this manual
- Switch power off before any maintenance operation
- Use only within the recommended temperature/humidity range
- Do not expose the machine (and especially the note acceptor front plate) to direct sun light or to incandescent light (> 3000 Lux)
- When in presence of car exhaust gas or smoke, clean and check the components (the note acceptor in particular) regularly and frequently.
- Do not favour contact with dusts or chemical moisture or sprays, water or other liquids
- Instal indoor
- Wipe clean by a dry piece of cloth (or slightly wet with alcohol)
- Do not use thinners or organic solvents
- The note acceptor could reject (or get jammed by) stained notes, or worn out, wet, wrinkled, torn, dog-eared, oil-smearred, with sticking tape or similarly affected.
- Clean monthly the sensors of the note acceptor. Remove paper dust that has accumulated on the drive wheels, by a clean piece of cloth or a cotton swab. Do not use alcohol nor solvents or scrapers.

## 5. Installation



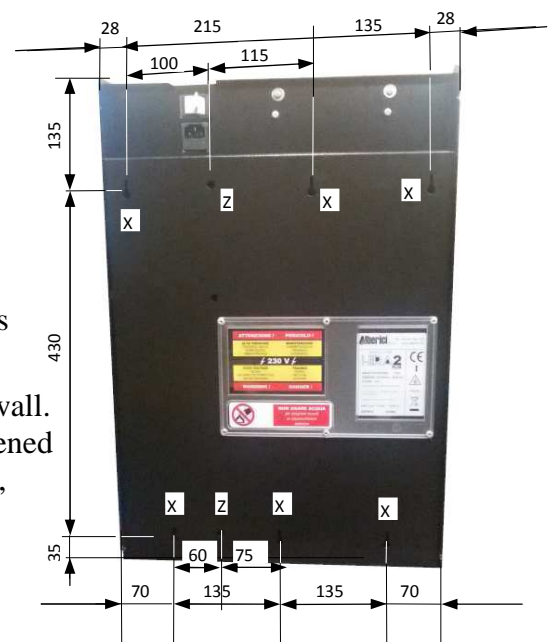
**PAY ATTENTION: IT IS ESSENTIAL TO FASTEN THE MACHINE TO A SOLID WALL BY USING RELIABLE EXPANSION BOLTS. IT IS RECOMMENDED THAT YOU MAKE USE OF THE WALL-MOUNT SLAB (ref. HRP-021A-V06) .**



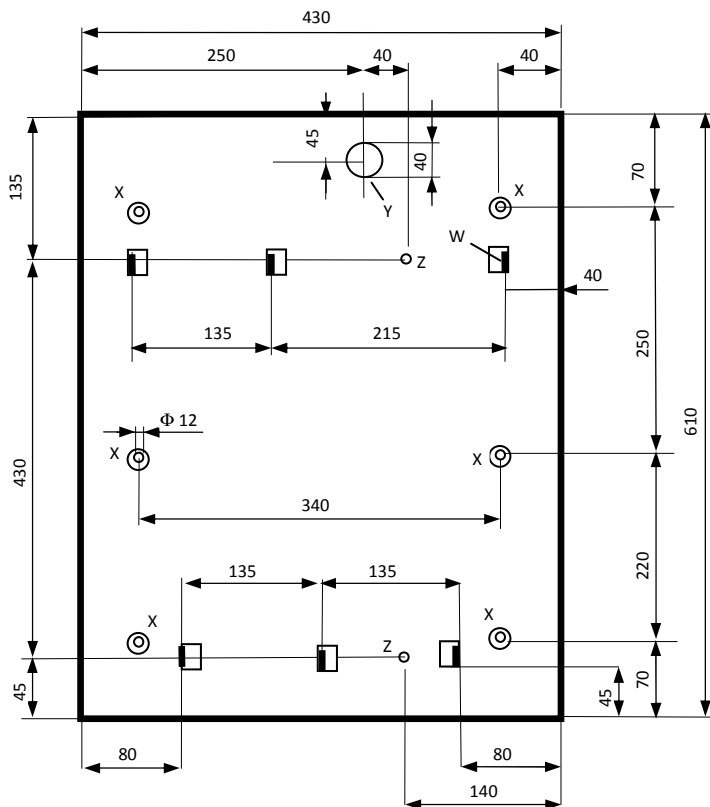
**All measures in mm**

Put the Change Machine in place and fasten it to the wall by expansion bolts through the “x” holes in the rear side of the cabinet. Keep the on-off switch accessible. In addition, it is also possible to secure the machine to the floor: the large holes at the foot allow to secure the machine by a binding chain.

The fastening slab allows to easily secure the machine to the wall. Once fixed the slab to the wall, the machine can be either fastened to it by screws (“Z” holes), or just hung upon the slab’s hooks, so as to remove it at ease.



## WALL-MOUNT SLAB:



Prepare the tunnel for the power cable in the wall (corresponding to "Y" Hole in the slab).

Fasten the slab to the wall by sturdy expansion bolts, through the 6 "X" ( $\Phi$  12 mm) holes.

Connect the cable to its socket behind the machine, and hang the latter on the 4 "W" supporting hooks.

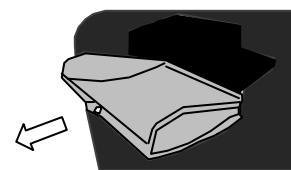
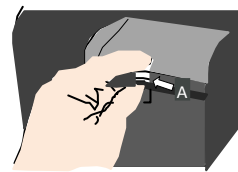
Fix the HIRA 2 Plus to the slab by M8 screws through the two "Z" threaded holes, if you do not mean to often remove and re-hang the machine up.



## PREPARATION FOR USE:

**PAY ATTENTION: FILL THE HOPPERS ONLY WHEN THE MACHINE IS OFF.**

Open the door and locate extensions capacity on top of the hopper. Unlock the latch A (white slide) of the cover and slide the latter fully out towards the outside, until is positioned as a pilot chute: pour into the hopper the coins or tokens to be dispensed as change. Unlock again the latch A and slide the cover back to "closed" position. Close the tiltable front flap of the machine.



Plug the power cable in, and turn the main switch on.

Component check and self-setting shall start automatically. At the end, a message will inform that the machine is ready for operation, showing what coin(s) (tokens) value(s) will be paid in exchange for notes and coins introduced, as well as a welcome wording.

CHANGEONE  
Promo

This message takes shifts with:

EROGA MONETE DA  
1,00 € - 2,00 €

As soon as the control board enables the note acceptor, the latter's front slot flashes once in blue colour for each enabled note, or once in red for each disabled note. For instance, if the 5, 10, 20 Euro notes are enabled, and the 50 and 100 Euro notes are disabled, the front slot will flash 3 times in blue colour and 2 (twice) in red.

The machine is now ready to operate.

## 6. Operation

Three buttons are available: “1” and “2” allow the User to choose the coin (or token) denomination he wants back as change; third button allows the user to choose the language he wants on the display (English, French, German, Italian and Dutch are available. Ask before placing order for other languages options). This type of operation varies depending on whether the operation mode is set to AUTOMATIC or to MANUAL.

**AUTOMATIC MODE** - when a note or coin is inserted, the credited amount is displayed, and the control board starts the pay-out by the hopper(s). The machine combines the coins contained in the hoppers. If the machine is set to Tokens+Change, all the tokens that can be bought by the inserted sum will be dispensed, with the back change in addition.

**MANUAL MODE** - when a note or coin is inserted (or when the value of one token is reached), the button(s) will lit up green . Press the button corresponding to the change (token) desired. If the machine is set to Tokens+Change, it will be possible to choose the desired number of tokens. If the machine is set to Tokens or to Tokens+Change, and the Bonus has been set, introduce money until the searched amount is reached, then press the OK button.

*WARNING: If there are not enough coins in the hopper to fulfil the whole exchange request, the remaining credit shall be displayed and retained in memory. Switch off the machine, fill the hoppers, and switch on again: the remaining credit shall be paid out.*

*An option is to set the Menu (see section 7.3.14) so as to cancel the remaining credit - and at the same time record it in the Accounts menu - by switching the machine off and on again.*

## 7. System configuration

### 7.1 Default setup

The HIRA 2 Plus is preset by default as follows (unless requested for different setup):

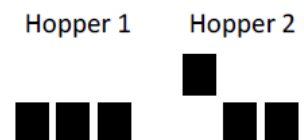
<i>Control Board Parametres</i>	Pay-out mode = AUTOMATIC
	Bonus = DISABLED
	Level sensors = DISABLED
<i>Hopper S11 Parameters</i>	Hopper nr. 1 (*) = € 2.00 = ENABLED
	Hopper nr. 2 (*) = € 2.00 = ENABLED
<i>Hopper AH4 discriminator [ccTalk]</i>	Preset by default to 0,50 – 1,00 – 2,00 €
<i>BILLYONE Validator [ccTalk] Parameters</i>	€ 5.00 - .... - € 100.00 = ENABLED
<i>AL66 S [ccTalk]coin acceptor Parameters</i>	€ 0.05 - € 0.10 € 0.20 = DISABLED
	€ 0.50 - € 1.00 - € 2.00 = ENABLED

### 7.2 Restore default configuration

If any variation is made, it will be possible to restore the default configuration as follows: enter the initial menu, scroll by UP and DOWN keys and choose *RESTORE DEFAULT CONFIGURATION* then press OK; the message *DEFAULT CONFIG. RESTORED* will be displayed.

**NOTICE: the *RESTORE DEFAULT CONFIGURATION* command resets the default PIN code (0000) .**

(\*) *The primary Hopper 1 is placed at the left side (watching the machine from the front); Hopper 2 (secondary) is placed at the right side. The dip-switches in HP1 must be set to address 3 (all DS to OFF). The ones in HP2 must be set to 4 (no. 1=ON, nos. 2= 3=OFF).*

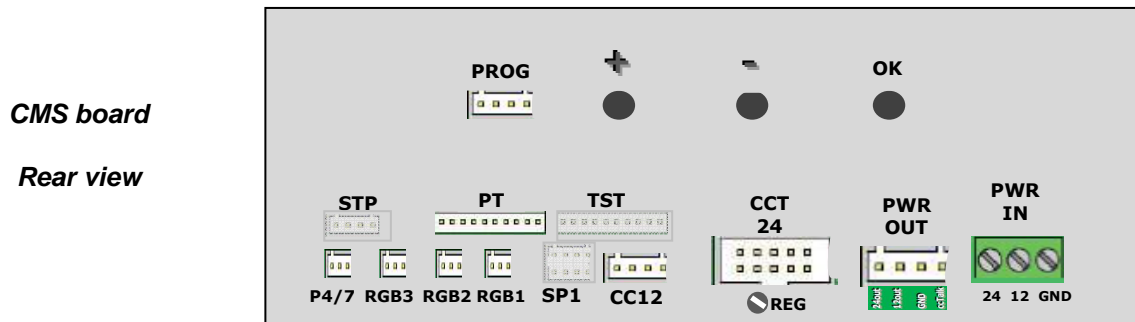




## 7.3 Menu functions


### 7.3.1 Surf the Menu:



To enter the menu and navigate it, make use of the 3 keys located on the board rear side.



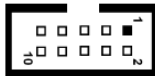

Get access to the menu by holding the three buttons pressed at the same time for 5 seconds.



- OK**            confirm selection
- + -**            navigate menu UP and DOWN; modify figures and letters
- REG**            adjust display brightness

**PWR IN**    POWER IN   
24 12 GND

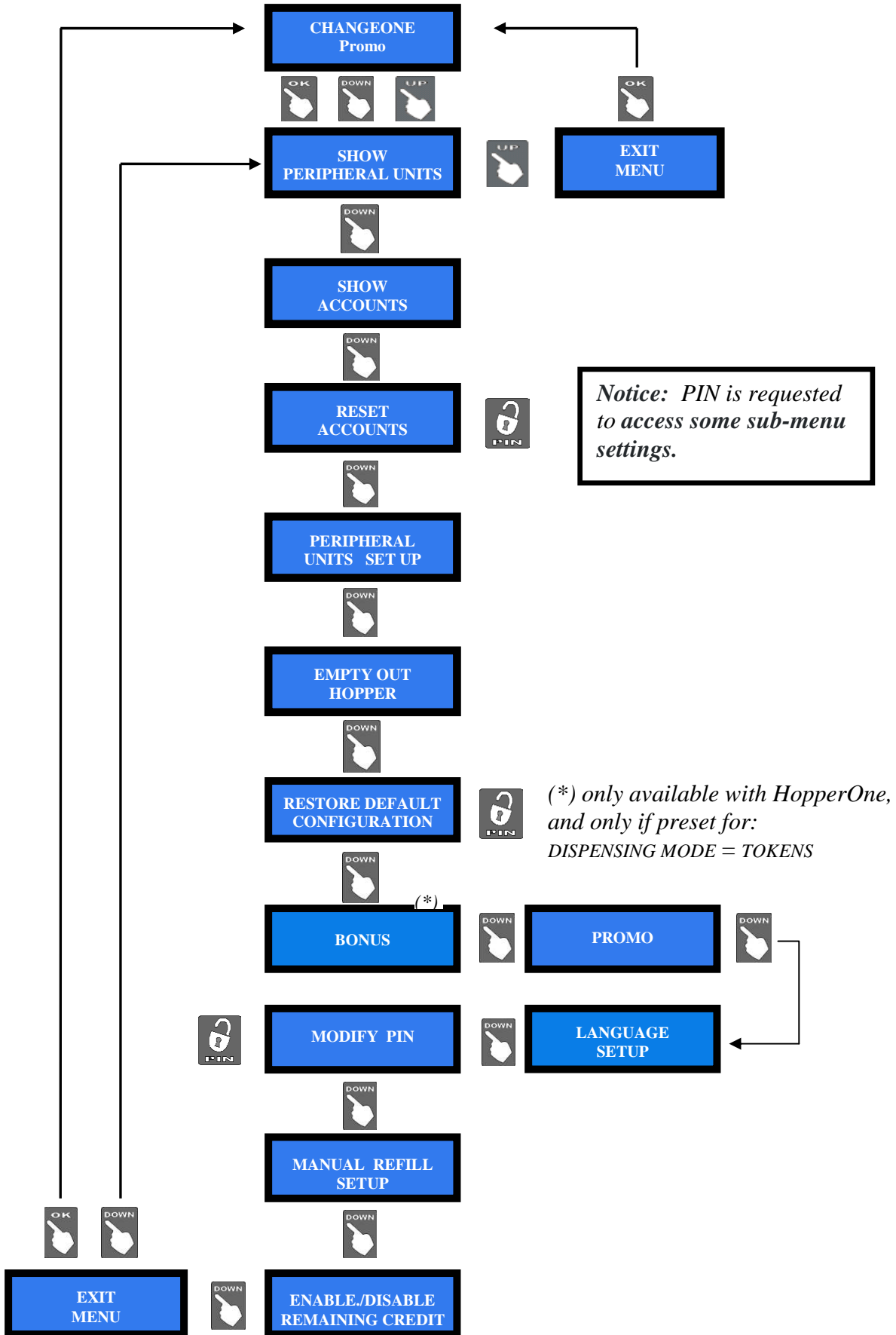
**CC12**        COIN ACCEPTOR AL66  

**PWR OUT**    NOTE ACCEPTOR  

**CCT 24**        HOPPERONE S11  

**RGB1**  
**RGB2**  
**RGB3**        ILLUMINATED PUSHBUTTONS:  RGB1 =Button 2    RGB2 = Button 1    RGB3 = Language select  

### 7.3.2 MENU MAIN STRUCTURE



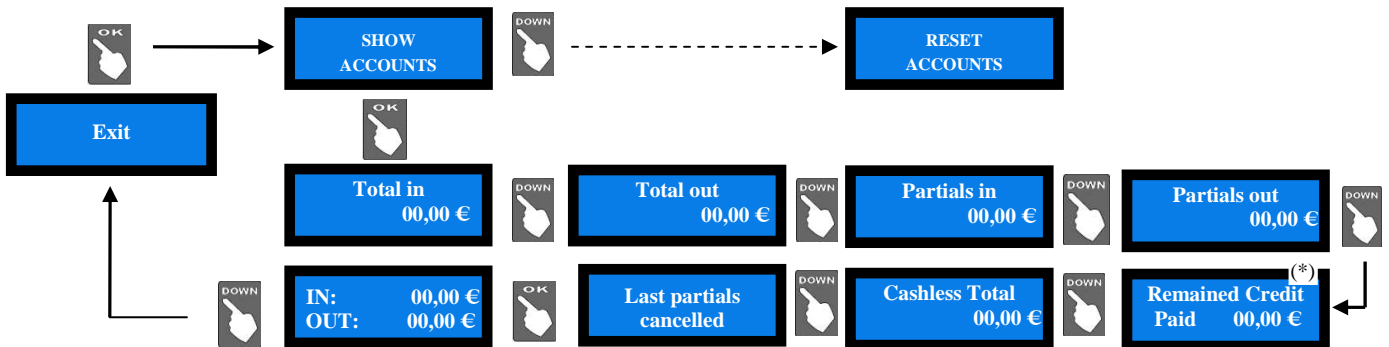
### 7.3.3 Show peripheral units

This menu allows to check the state of the PERIPHERAL UNITS, for instance:



### 7.3.4 Show accounts

This menu allows to check the total and the partial values of cashed and paid amounts.



(\*) *Reset of the remaining credit: see section 7.3.14*

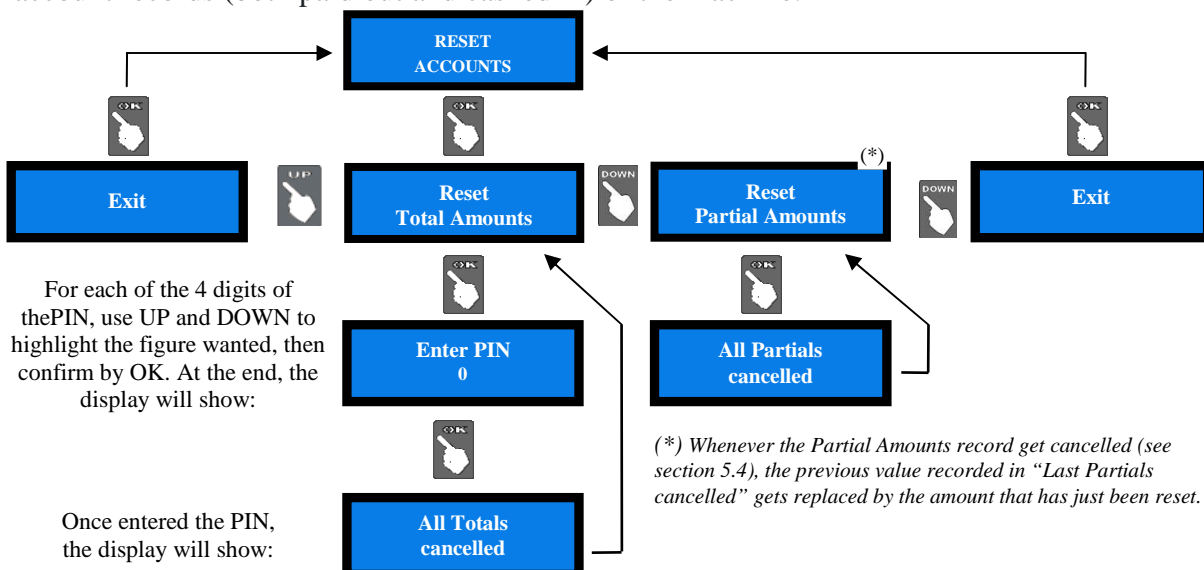
- Press OK: the display will show the total amounts introduced (TOTAL IN). Press UP, and OK if you want to exit the ACCOUNTS menu.
- Or else, press DOWN to check the total amounts dispensed (TOTAL OUT).
- Press DOWN to go on browsing the submenu.

*Notice: whenever the Partial Amounts record get cancelled (see section 7.3.5), the previous value recorded in “Last Partial cancelled” gets replaced by the amount that has just been reset.*

**LAST AMOUNT DISPENSED:** *when the board is in stand-by condition, it is possible to check the last amount dispensed, by holding the SELECT pushbutton for full 4”.*

### 7.3.5 Reset accounts

To use this sub-menu it is necessary to digit the PIN code. This function allows to cancel the account records (both paid out and cashed in) of the machine.



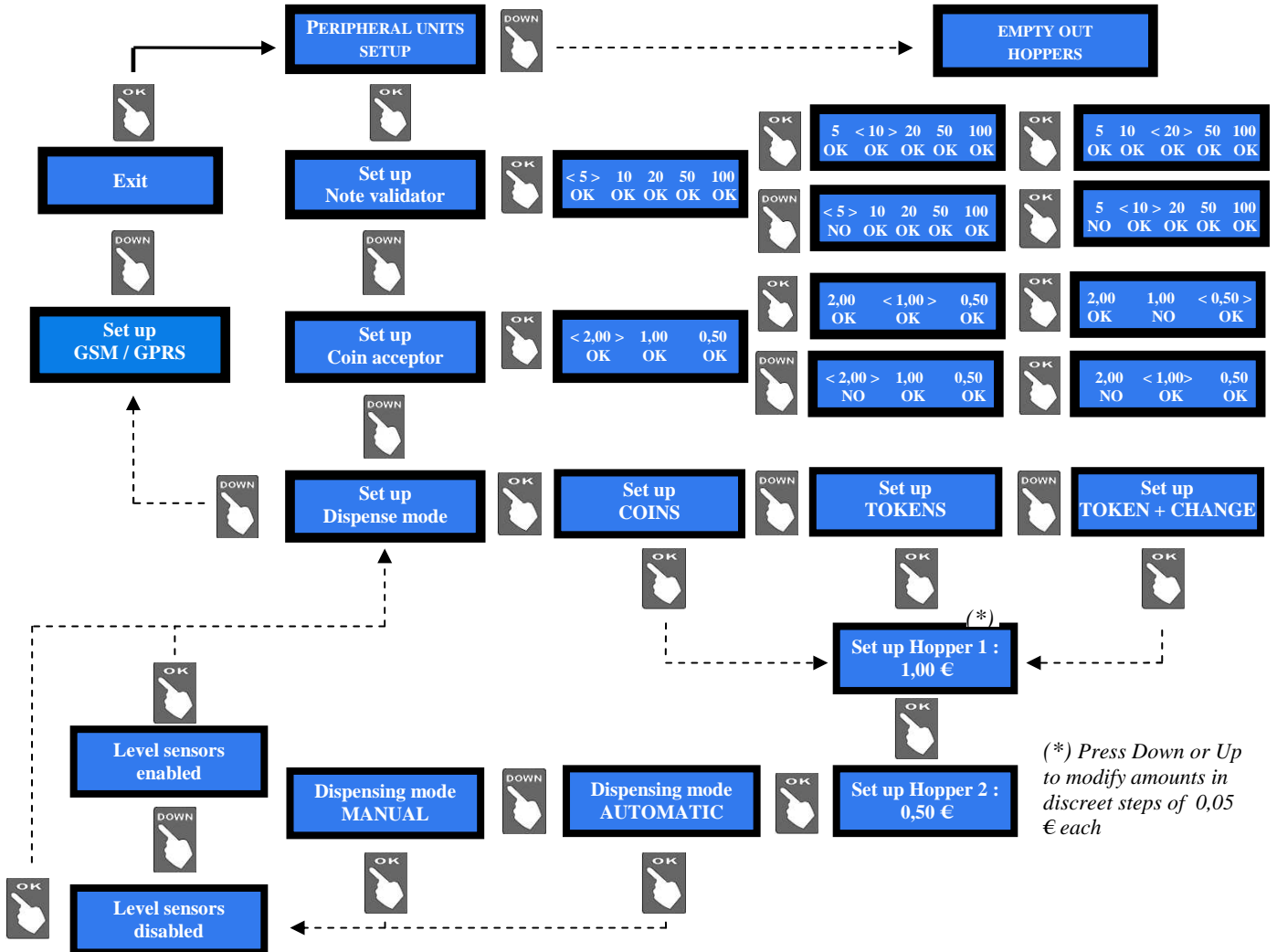
For each of the 4 digits of the PIN, use UP and DOWN to highlight the figure wanted, then confirm by OK. At the end, the display will show:

Once entered the PIN, the display will show:

(\*) *Whenever the Partial Amounts record get cancelled (see section 5.4), the previous value recorded in “Last Partial cancelled” gets replaced by the amount that has just been reset.*

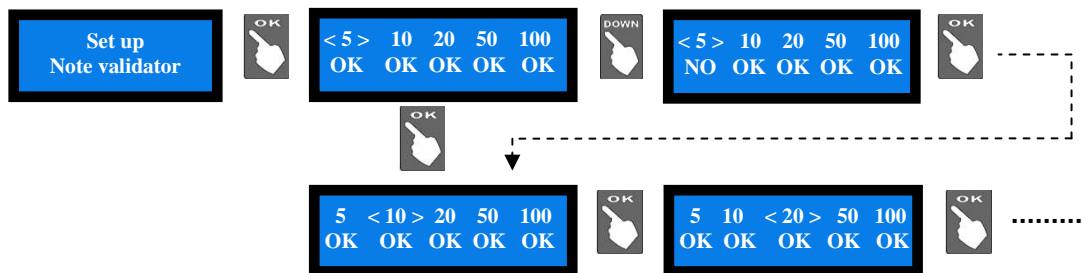
### 7.3.6 SETTING THE PERIPHERAL UNITS

This menu allows to set up the denominations accepted by the note validator and by the coin acceptor, as well as the value of the coins/tokens dispensed. It also permits to set the change mode as either automatic or manual, and to enable/disable the full/void sensors of the hoppers.



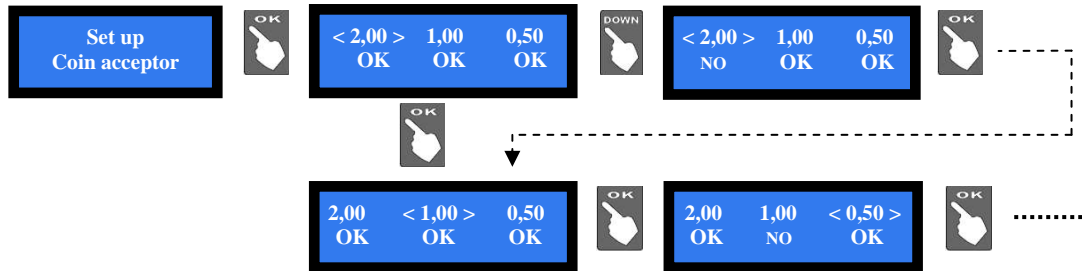
#### 7.3.6.1 NOTE VALIDATOR SETUP

The board automatically detects the presence of the note acceptor during initial check. All the programmed note values (5-to-100 Euro) get automatically enabled. To modify this default condition, press OK to get to the first option (ex. 5 €) and highlight it, then press UP or DOWN to reverse its state. Press OK to shift to the next option (ex. 10 €).



### 7.3.6.2 COIN SELECTOR SETUP

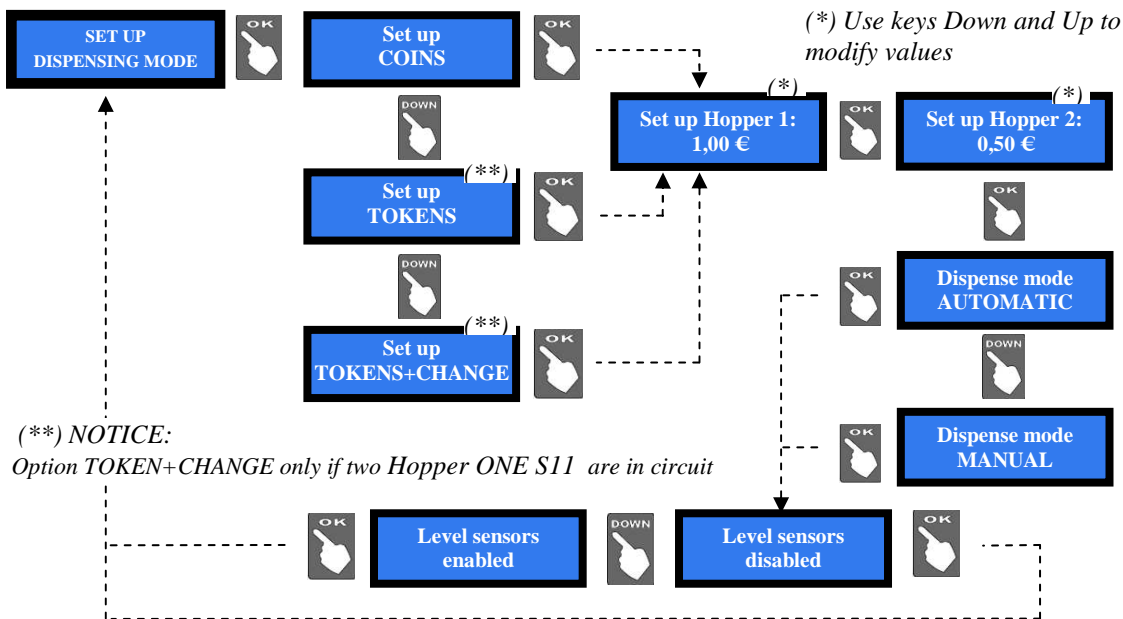
The board automatically detects the presence of the coin selector during initial check. Among the accepted coins (0.05-to-2 €), the following ones get enabled by default: 0.50 € - 1.00 € - 2.00 €. To modify this condition, press OK to get to the first option (ex. 2 €) and highlight it, then press UP or DOWN to reverse its state. Press OK to shift to the next option (ex. 1 €).



### 7.3.6.3 DISPENSING MODE SETUP

Allows to choose whether to dispense COINS or TOKENS or TOKENS+CHANGE, and whether the DISPENSING MODE will be AUTOMATIC or MANUAL.

It also permits to monitor the level of the coins in the hopper(s) by the electronic sensors.



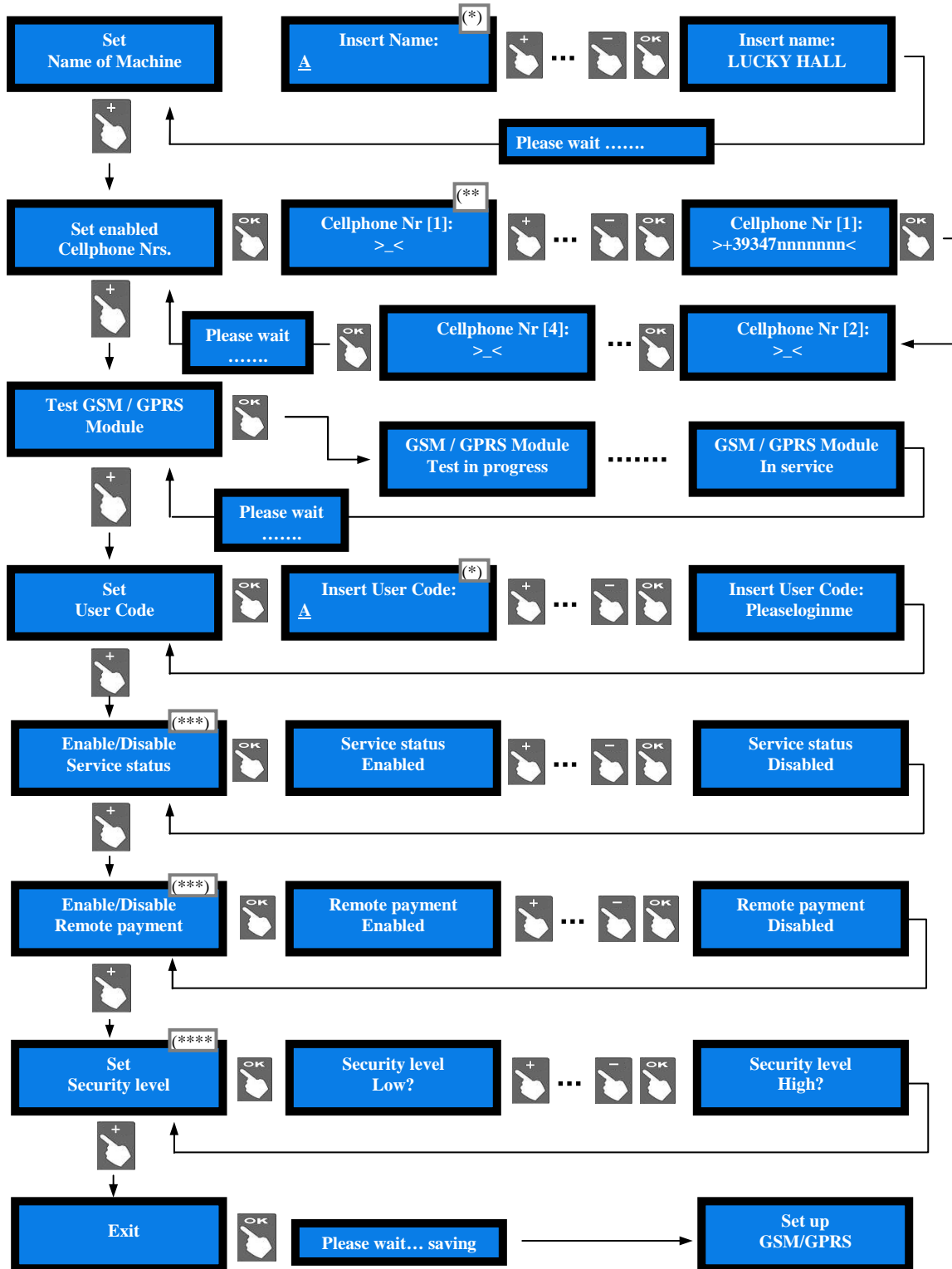
**NOTICE:** monitoring of level sensors is disabled by default. This means that the board does not know when the hopper is empty, so it will send the pay-out command even if there are no coins available. When the hopper runs out of coins during dispensing or at the end of payment, no warning will be displayed. If the empty state is detected when powering the unit, this one shall not accept any money.

If instead the monitoring has been enabled, and there are not enough coins in the hopper, the display will warn that the hopper is empty. There will usually remain 20 coins approximately, so as to complete the change payout.

**PLEASE NOTICE:** if the machine must be re-configured from token (or token+backchange) dispenser to coin changer, always do reset to DEFAULT CONFIGURATION and RESET ACCOUNTS. Else, the bonus setting could produce Accounts inconsistency.

### 7.3.6.4 SET UP GSM/GPRS

When the GSM/GPRS kit is installed, it gets detected during self-configuration, and its parameters must be set up for operation.



(\*) Used only for Argo Web Portal. By buttons + and - , locate the letter/digit, and OK button to confirm your choice; the cursor will automatically move to the next character. There are 16 characters in the machine name, and 10 for the User Code. After confirming the last character, the name you have typed gets automatically saved.

(\*\*) By buttons + and - , locate the number you want to write, and press OK to confirm it; the cursor will automatically move to the next character. Once confirming the last digit, also confirm the whole number entered: it is proposed to enter the second number, and finally the third.

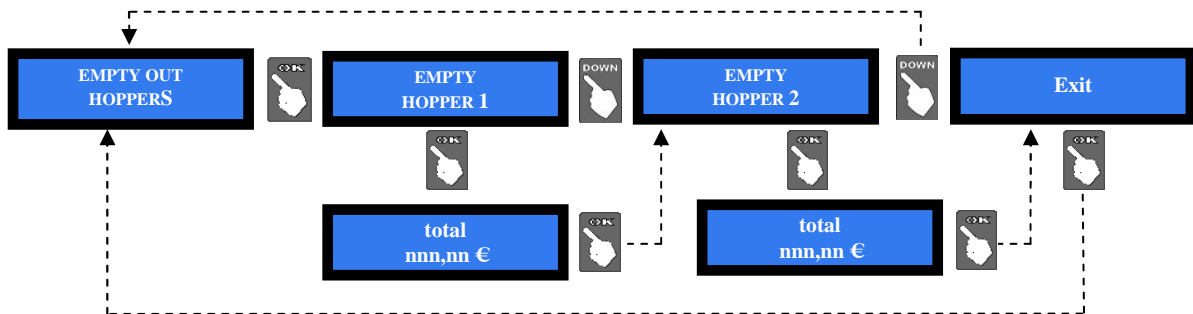
(\*\*\*) When the Service Status Remote Enable function is active, the machine can be put out of service by sending an SMS (text is "CMD=OFF") from any of the 3 enabled cellular phones. To restore service, send text "CMD=ON".

(\*\*\*\*)When the Remote Payment function is active, and the Security Level has been set to **Low**, it is possible to command the machine to dispense an amount (in €) or a number of tokens (pieces) by sending the following sms text from any of the 3 enabled cellular phones: "OUT=n•" (n° = any value between 0 and 250).

When the Remote Payment function is active, and the Security Level has been set to **High**, it is possible to command the machine to dispense an amount (in €) or a number of tokens (pieces) by sending the following sms text from any of the 3 enabled cellular phones: "OUT=n•:1234" (n° = any value between 0 and 250; 1234 = any combination of figures except 0). In this case, the display will show the password chosen: the User will put the Refill key in the Refill lock (or the RFID key in its reader), and then enter the password by using the buttons SEL (select each number) and OK (confirm each number).

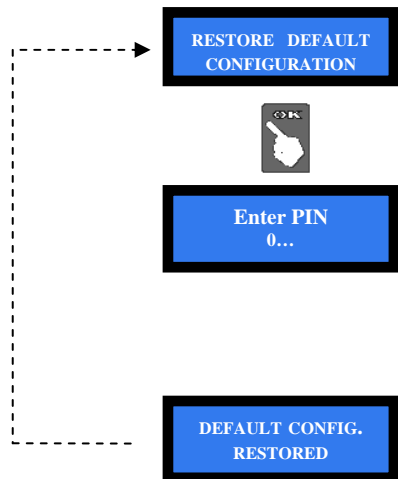
### 7.3.7 Empty out the Hoppers

Use this function to make the selected hopper pay out all the contained coins / tokens. Once emptied the first hopper, total dispensed amount shall be displayed. Press OK to go on with second hopper.



### 7.3.8 Restore default configuration

To use this sub-menu it is necessary to digit the PIN code.

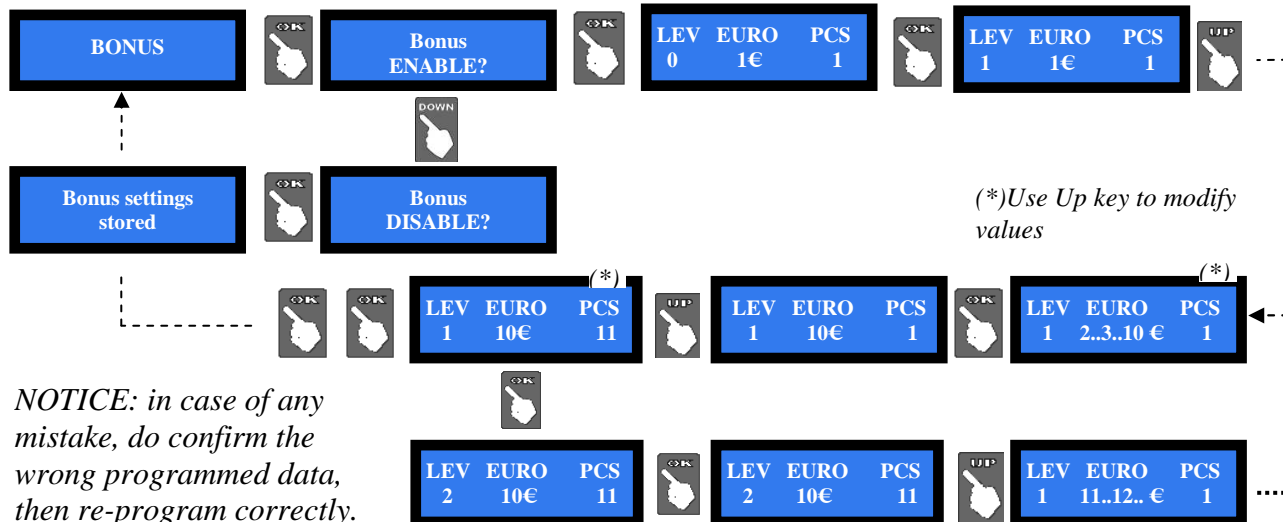


This message will briefly appear after the PIN has been entered, then the message DEFAULT CONFIGURATION RESTORED will be shown again.

**WARNING:** in case of reset, the system sets back to default configuration. The PIN code will be reset to the default 0000 setting. Account records shall not be cancelled.

### 7.3.9 Bonus Set Up

This function will operate only if at least the hopper nr. 1 is preset for paying tokens. Take care to set up all hoppers parameters. Bonus function is disabled by default.



### 7.3.10 Language setup



### 7.3.11 Promo

It is possible to preset an advertisement on the display. Press OK:



Press again OK, the pointer will highlight the first digit: by UP or DOWN, choose the character that you want to insert, then confirm by OK. The pointer will highlight the following digit. Once digit nr. 16 has been confirmed, the message gets stored.

### 7.3.12 Modify PIN

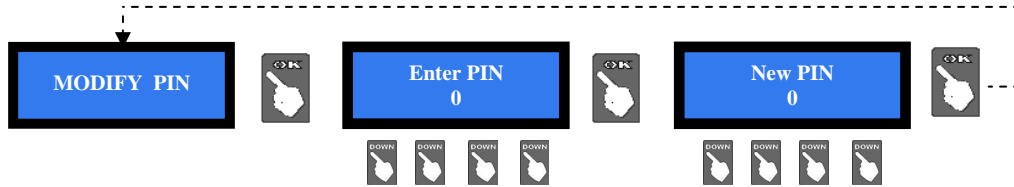
The PIN code allows to get access to the discretionary menus of the system. The PIN code is made up by 4 figures (each of them from 0 to 9: 10,000 combinations available). If the entered PIN is not correct, the User is given another 4 tries before the board gets blocked-up by its security interlock. The system can be started again by switching it off and on again.

**ATTENTION: the default PIN code is 0000**

The settings in the following menus can be modified by using the PIN code:  
 MODIFY PIN - RESET ACCOUNTS - RESTORE DEFAULT CONFIGURATION



To modify the existing PIN, press OK, and digit the old PIN code: to digit each code figure, first use keys UP and DOWN to set each figure, then confirm it by OK. Once the 4<sup>th</sup> figure has been confirmed, confirm by OK the whole old PIN:

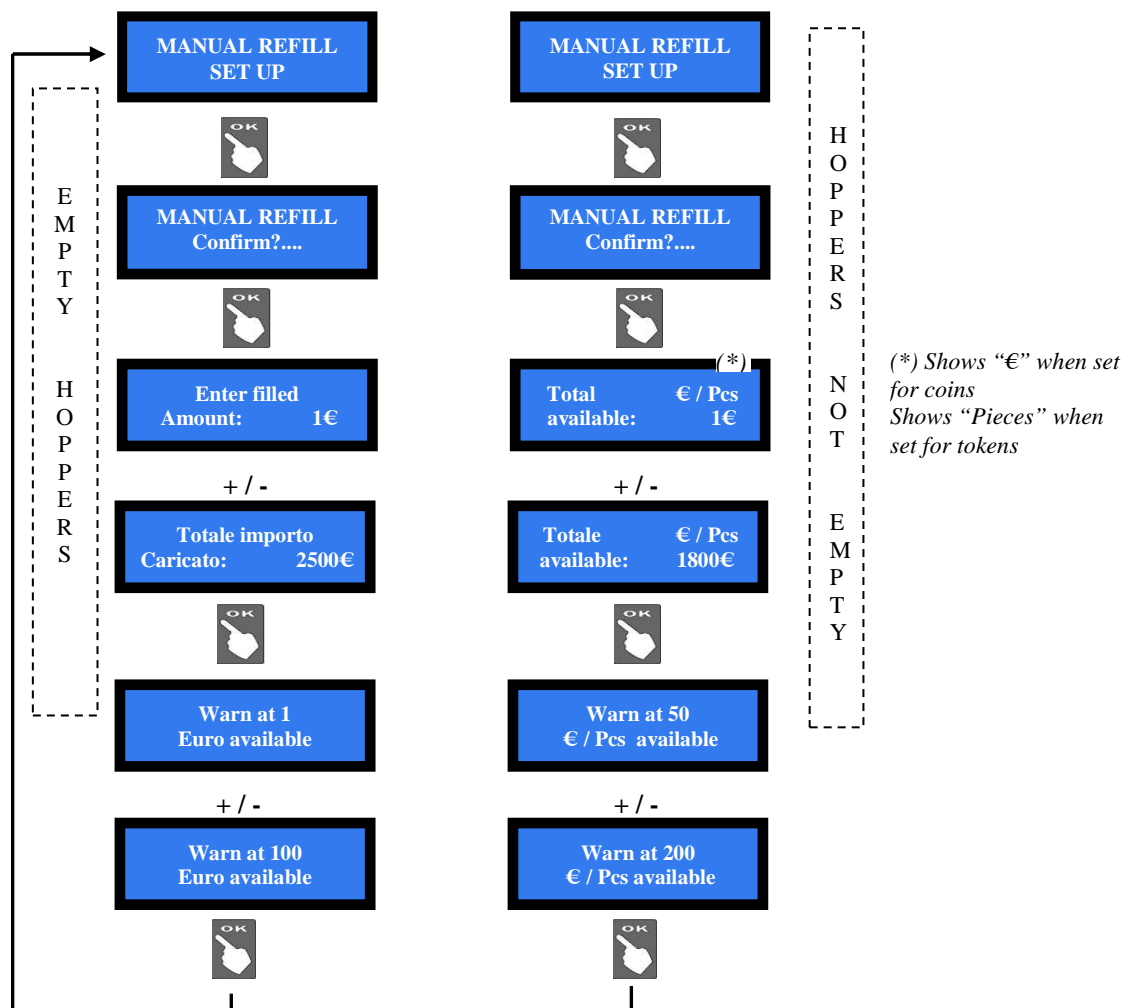


To enter the new PIN code, use first the UP and DOWN keys to set each figure, then confirm it by OK. Once the 4<sup>th</sup> figure has been confirmed, confirm by OK the whole new PIN. As every single figure gets confirmed, an asterisk takes its place, so preserving secrecy.

*NOTICE: when DEFAULT CONFIGURATION is restored, the PIN code gets reset to 0000.*

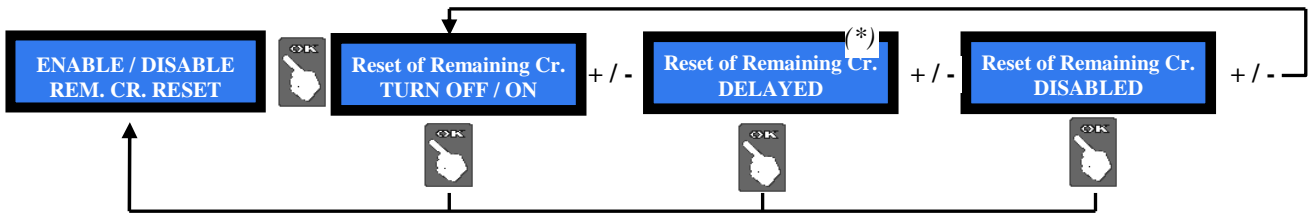
### 7.3.13 Manual Refill Set Up

Refill can take place when unit is empty or not. Allows to record the amount put in.



### 7.3.14 Enable / Disable remaining Credit

Amount of remaining (i.e. unpaid) credit can be reset when machine is switched off. Such amount gets automatically recorded in the Accounts (sez. 7.3.4).



(\*) When enabling this option, the remaining credit shall be cancelled within 15 seconds from end of transaction.

### 7.3.13 Exit Menu

Press OK to go back to stand-by condition:



## 8. Messages

### 8.1 Messages on the display

#### 8.1.1 Faulty operation:

The following warning:



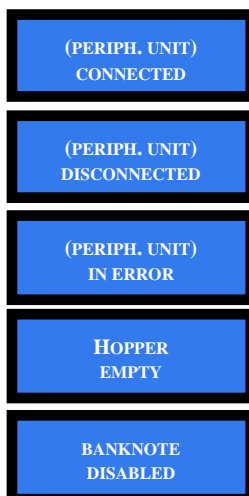
is accompanied by the system check. For instance, the following sliding warnings:



stand for:

the coin acceptor is not connected,  
there is a fault in the note validator,  
hopper 1 is properly working

The following error messages can possibly appear:



the mentioned peripheral unit (coin acceptor, or note validator, or Hopper, a.s.o.) is connected and functioning

the mentioned peripheral unit has been disconnected

the mentioned peripheral unit is connected but faulty

the Hopper is empty

the inserted note is not enabled

The message



means that coins have run out during the payout. Switch power off, fill it up, and switch power on again: the board will prompt the hopper to complete the payout.

## 8.2 Messages from the Note validator

### 8.2.1 BillyOne / OryOne Validator

During operation, the amount of consecutive red flashes produced by the entry slot indicates the possible malfunctions (see chart below):

nr of red flashes	Description
1	Validator is open
2	Jammed banknote
3	Fraud attempt detected
5	Adjust optic sensors
7	Stacker full (OryOne Only)
9	Low power supply
11	Check operation of the encoder + efficiency of the validator motor
12	Check operation of the encoder + efficiency of the stacker motor (OryOne only)
14	ROM error

### 8.2.2 Front bezel flashing blue

When the front bezel flashes blue, it means that either the stacker has been removed, or the detection sensor has gone faulty.

### 8.2.3 Fraud-fishing protection

The banknote reader is equipped with a security device that gets activated in the event of fishing fraud attempts repeated over a period of time.

This device can be set through the dip-switch SW2 (DS-row on the Validator side) to operate in a "soft" mode (\* DS2 = ON) or in "extended" mode (\*\* DS2 = OFF).

(\* ) Dip-Switch SW2 ON

**Any attempt** at "fishing" will cause the note to be rejected, without showing any visible signal.

(\*\*) Dip-Switch SW2 OFF

Attempt	Validator reaction	Do as described below
1 <sup>th</sup>	Remains in service	-
2 <sup>th</sup>	Remains in service	-
3 <sup>th</sup>	> error (3 red flashes)	Reset (switch off then on)
4 <sup>th</sup>	> error (3 red flashes)	Reset (switch off then on)
<i>After the 5th fraud attempt (3 yellow flashes), it is necessary to wait for automatic restore of service. Take care not to switch the device off.</i>		

NOTICE: no error status will be transmitted to the machine, so that the latter does not go out of service, and will therefore continue to maintain the other functions working.

## 9. Cleaning the Note Validator



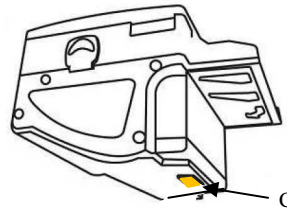
**WARNING!** Do switch power off before opening the machine!

### 9.1 Manual cleaning

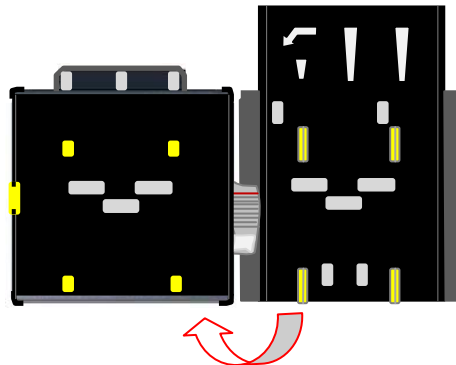
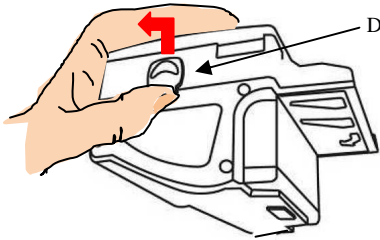
The ability of acceptance may decrease due to the accumulation of dust and cellulose dust released by banknotes during transit, or because of residues or sprays, which may spread on the detecting sensors and on transmission parts.

It is therefore recommended to **clean these parts at least monthly**, as indicated below.

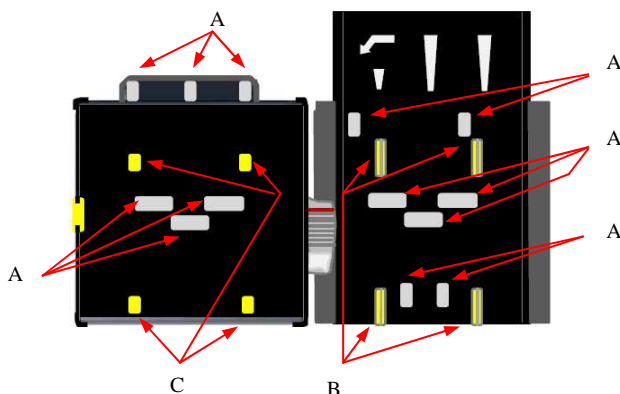
1. Turn power off and unplug the cable from the 10-pin connector interface. Press the yellow button C, located under the reader, to release the main body from the faceplate, and slide it backwards.



2. Move the D button upward, hold it while sliding the cover backwards; then lift the latter up and rotate it 180° to the right side.



3. Gently wipe the sensors with a clean, lint-free tissue, or with a cotton swab, or with a small sponge, possibly moistened with isopropyl alcohol.
4. Completely remove the dust and residues from the 4 silicone rollers, and from the 4 elastic matching wheels which are located in the lower surface of the upper lid. To remove the most stubborn dirt from rollers and wheels, use *isopropyl alcohol*.



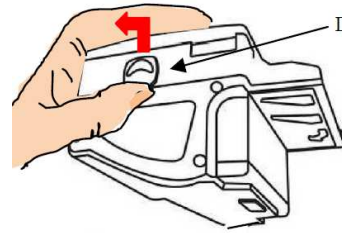
**PAY ATTENTION:** do not use organic detergents (ex. alcohol, thinners or petrol). Use only isopropyle alcohol.

1. Sensors
2. Rollers
3. Elastic matching wheels

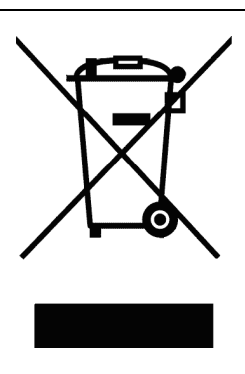
## 9.2 Clearing jammed banknotes

CAUTION! Turn off power before opening its upper lid.

Open the top cover by pressing D, and pull out the stuck banknote (as well as any other objects that will hinder the transit).



## 11. Disposal of the product

	<p><b>WARNING! DISPOSE OF ACCORDING TO THE GOVERNING LAW IN YOUR COUNTRY!</b></p> <p><b>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 dised 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.</b></p> <p><b>For more detailed information about recycling of this product, please contact the Dealer where you purchased this product.</b></p>
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## 12. Terms of 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 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 unwilled tampering
- wrong or careless use or maintenance
- non-compliance with precautions prescribed (see Chapter 4. Caution)
- natural disasters, vandalisms, intentional or unintentional damage

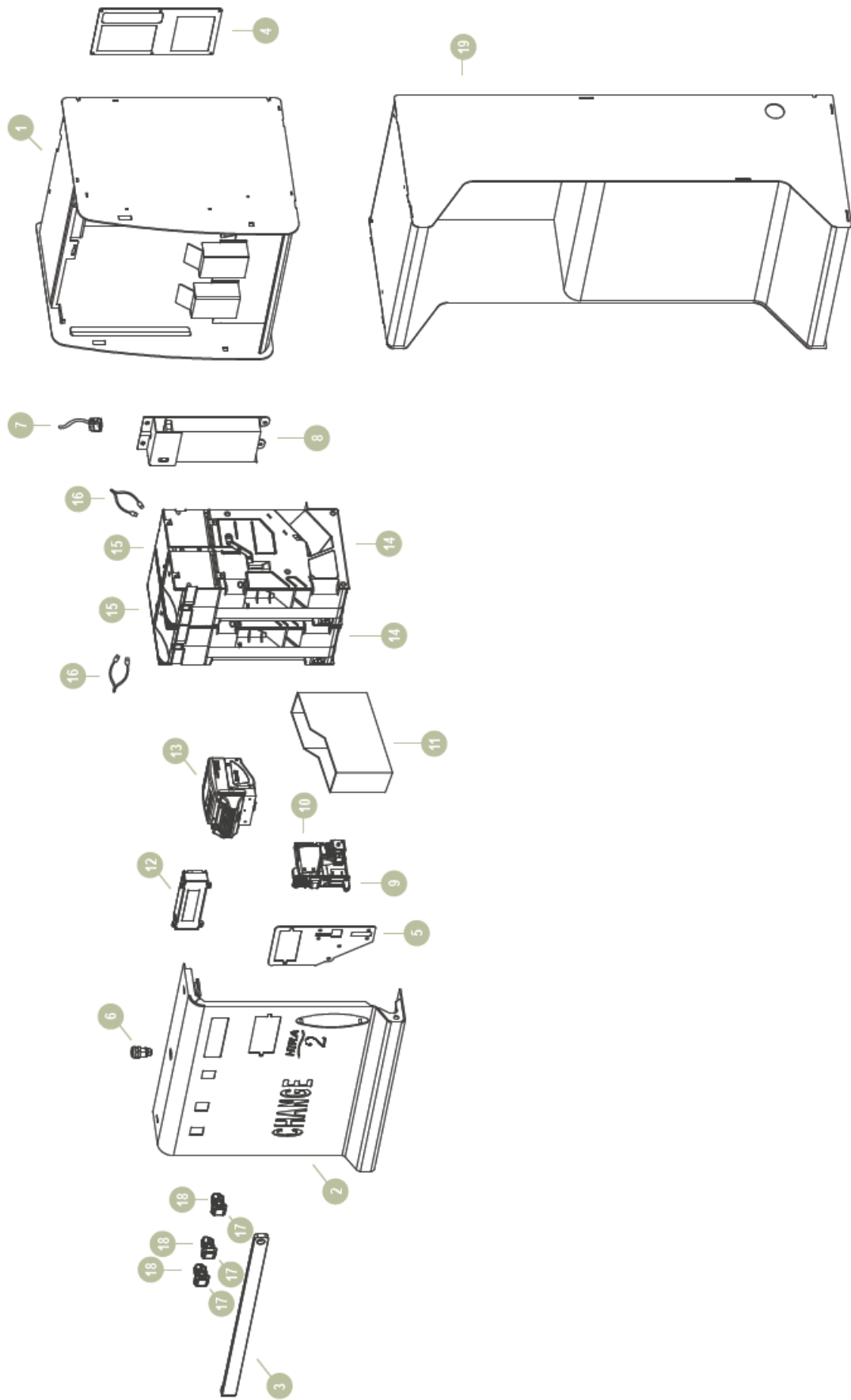
Guarantee is considered automatically expired if outer and inner labels are missing.

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

## **13. 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.

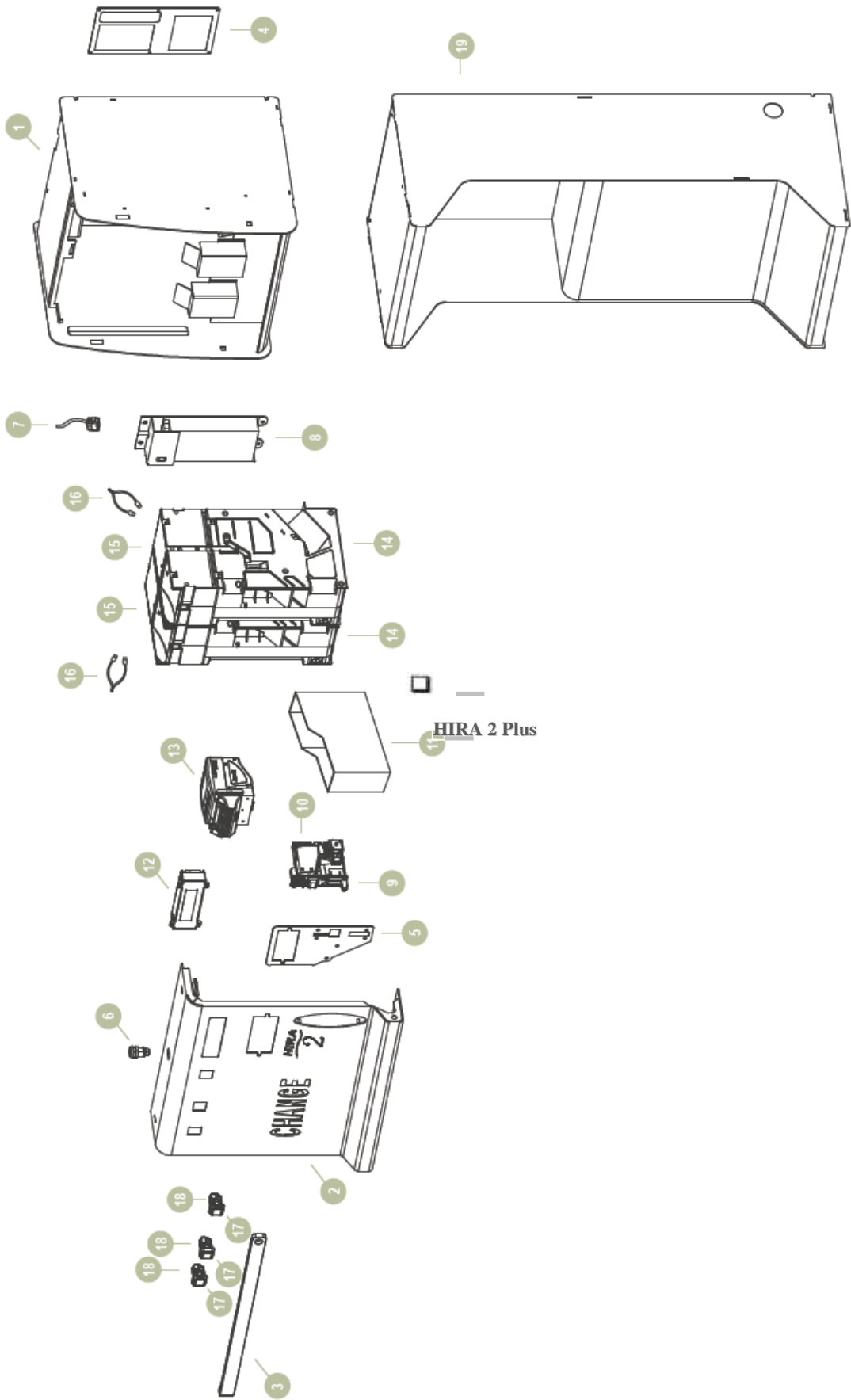
REF.	OPT.	COD.	DESCRIZIONE	DESCRIPTION
1		HRP-001A-V06	Assemblato Mobile Hira 2Plus (senza unità periferiche)	Unit core assembly (w/o Periph. units)
2		HRP-B06A-B08	Assemblato Sportello Hira 2Plus (con serratura e logo inciso)	Hira 2Plus door (includes lock and engraved writing)
3		HRP-005A-V06	Barra di chiusura Hira 2 Plus	Anti-intrusion steel bar for Hira 2 Plus
4		P-AM0702-10T	Plastica portatarga P3	P3 plexy plate
5	5a	HR1-019A-I00	Piastra chiusura foro G.E.	Cut-out closure plate
	5b	HRP-053A-I00	Piastra supporto G.E. Inox	Coin acceptor support plate
6		AM-1509	Serratura sicurezza Flat Key sportello	Safety lock (Flat Key)
7		S-030177-000	Cablaggio Hira 2	Hira 2 wire harness
8	8a	A-CM0044	Assemblato Alimentatore Hira 2 Plus	RD-125 Power box with bracket
	8b	AE-0806	Alimentatore RD-125-1224 12V 7A-24 5A	RD-125 Power box
9		IM-N000-0L10	Introduzione moneta PP	PP inner bracket for coin acceptor
10		GE-665C	Gettoniera elettronica AL66S CCTalk	AL66S CCT coin acceptor
11	11a	HR1-011A-P00	Cassetta moneta Hira per G.E.	Metal coin box
	11b	AM-1305	Cassetta monete tipo "A"	Coin box "A"
12		SH-1A21	Scheda Change CMS blu (display 2x16)	CMS control board (2x16 display)
13	13a	LB-LC01	Lettore banconote BILLYONE	BILLYONE note validator
	13b	LB-MC01	Lettore banconote ORYONE	ORYONE note validator
14	14a	K-02C-020046	Hopper S11 con prolunga Sector 225 (no slitta)	Hopper S11 with Sector 225 extension (no slitde base)
	14b	A-HP0023-016	Slitta per Hopper S11 (con schedino 10poli)	Slitde base for Hopper S11 (includes 10pin adaptor)
15		AA-0312	Prolunga Sector 225 1B/2C	Sector 225 1B/2C capacity extension
16		S-030212-000	Cablaggio estensione per Sens. Ott. Liv. Max	Full level cable for capacity extension
17		PL-MK21-ET60	Pulsante luminoso Halo Quadrato 21 (senza portalampada)	Halo luminescent pushbutton (no light core)
18		PO-C4A1-Z000	Portalampada elettronico LED RGB 12V	RGB LED + switch light core
19		AA-0148-0600	Piedistallo nero	Free-standing support
18		S-020933-000	Barra 3 Led luminosi	3-Led bar





# Lista parti parts list

REF.	OPT.	COD.	DESCRIZIONE	DESCRIPTION
1		HR2-001A-V06	Assemblato mobile Hira 2 CM (senza unità periferiche)	Unit core assembly (w/o Periph. units)
2		HR2-006A-V08	Assemblato sportello Hira 2 CM (con serratura)	Hira 2 door (includes lock)
3		HR2-005A-V06	Barra di chiusura	Anti-intrusion steel bar
4		P-AM0702-10T	Piastica portatarga P3	P3 plexy plate
5	5a	HR1-019A-I00	Piastra chiusura foro G.E.	Cut-out closure plate
	5b	HR1-020A-I00	Piastra supporto G.E. Inox	Coin acceptor support plate
6		AM-1509	Serratura sicurezza Flat Key sportello	Safety lock (Flat Key)
7		S-030177-000	Cablaggio Hira 2	Hira 2 wire harness
8	8a	A-CM0241	Assemblato Alimentatore (include alimentatore)	RD-125 Power box with bracket
	8b	AE-0806	Alimentatore RD-125-1224 12V 7A-24 5A	RD-125 Power box
9		IM-N000-0L10	Introduzione moneta PP	PP inner bracket for coin acceptor
10		GE-665C	Gettoniera elettronica AL66S CCTalk	AL66S CCT coin acceptor
11	11a	HR1-011A-P00	Cassetta moneta Hira per G.E.	Metal coin box
	11b	AM-1305	Cassetta monete tipo "A"	Coin box "A"
12		SH-1A21	Scheda Change CMS blu (display 2x16)	CMS control board (2x16 display)
13	13a	LB-LC01	Lettoie banconote BILLYONE	BILLYONE note validator
	13b	LB-MC01	Lettoie banconote ORYONE	ORYONE note validator
14	14a	K-02C-020003	Hopper S11 CCTalk std	Hopper S11 CCTalk std
	14b	K-02C-040016	Hopper Discriminatore AH4 CCTalk std	AH4 CCTalk discriminator Hopper
15		AA-0309	Prolunga SECTOR 100 B1	SECTOR capacity extension 100 B1
16		S-030212-000	Cablaggio estensione per Sens. Ott. Liv. Max	Full level cable for capacity extension
17		PL-MK21-ET60	Pulsante luminoso Halo Quadrato 21 (senza portalamпада)	Halo luminescent pushbutton (no light core)
18		PO-C4A1-Z000	Portalamпада elettronico LED RGB 12V	RGB LED + switch light core
19		AA-0148-0600	Piedistallo nero	Free-standing support





**NOTICE**

**NOTICE**



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