

Safe money

USER MANUAL

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PREFACE

This manual is intended to illustrate the functionality of the Safemoney user interface. The functions described in this manual are valid for the whole range, from the Compact model up to Extreme.

Differences between models, peripherals and related maintenance and service methods are not detailed in this document. For such information and procedures, refer to the documentation and technical manuals.

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*** RECYCLER:** it is the module that contains coins / banknotes, separated or mixed (** Mix*), used both for incoming payments and for the disbursement of change.

*** CASHBOX:** o drawer, it is a module protected by a key containing mixed coins / banknotes. The cash in this form has been validated but not used for the provision of change, it can only be physically extracted by the authorized store staff.

SAFEMONEY MODEL	PERIPHERAL COINS	BANKNOTE DEVICE
Compact	Smart Coin System (1 Mix Recycler, No Cashbox)	Smart Payout (1 Mix Recycler, Cashbox)
Professional	Smart Coin System (1 Mix Recycler, Cashbox)	SCR (2 Recyclers, Cashbox)
Advance	Smart Coin System (1 Mix Recycler, Cashbox)	BNR (4 Recyclers, Cashbox)
Extreme	CLS (8 Recyclers, No Cashbox)	BNR (4 Recyclers, Cashbox)

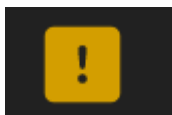
1. HOME PAGE

This page can be accessed from Safemoney's front touch or via web browser, from any device connected to the same network, using an IP address:



1.NOTIFICATION BAR:starting from the left we find date and time, icon of active plugins,**status notifications**through which it is possible to preview messages, and click on the Safemoney logo for the**Information panel**.

The**status notifications**they can be of two types:



NOTICES:non-blocking. For example, the low stock of banknotes and coins.



MISTAKES:blocker, Safemoney is not operational. For example, a device in error, or an open front door.

In the **Information panel** it is possible to view the model, the serial number, the firmware version of Safemoney and the peripherals, as well as the IP address and a QR-code to quickly connect with the tablet to the *first page*.



2.PAY:used for the mode of *Direct payment* for the *Payment queue*. The operator can manually enter the amount to be paid or can select and start one of the payments in the queue. Only available with *Assisted mode* or *Payment queue* enabled. ([Pay paragraph 2](#))

3.RESERVED AREA:button to access the administration panels:

MANAGEMENT: panel for operational features such as cash loading, withdrawal, emptying, inventory and more. ([Management paragraph 4](#))

CONFIGURATION: panel for Safemoney settings and operating modes. ([Configuration paragraph 3](#))

This menu is pin protected. ([Users paragraph 3.1](#))

2. PAY

2.1.1 DIRECT PAYMENTS

Enter the amount to pay directly on the numeric keypad:

importo
€ 10.00

digita l'importo e conferma
per iniziare il pagamento

7 8 9
4 5 6
1 2 3
0 .
[X] [X] [←]

Home

6

2.1.2 PAYMENT QUEUE

Choose and initiate a payment or withdrawal from the reservation queue:

10:13
18/08/2022

Safe money

scegli ed avvia una delle transazioni prenotate

pagamento: €	10.00	[X]	[✓]
pagamento: €	12.50	[X]	[✓]
pagamento: €	11.20	[X]	[✓]
pagamento: €	5.00	[X]	[✓]

Home
€

1 di 1

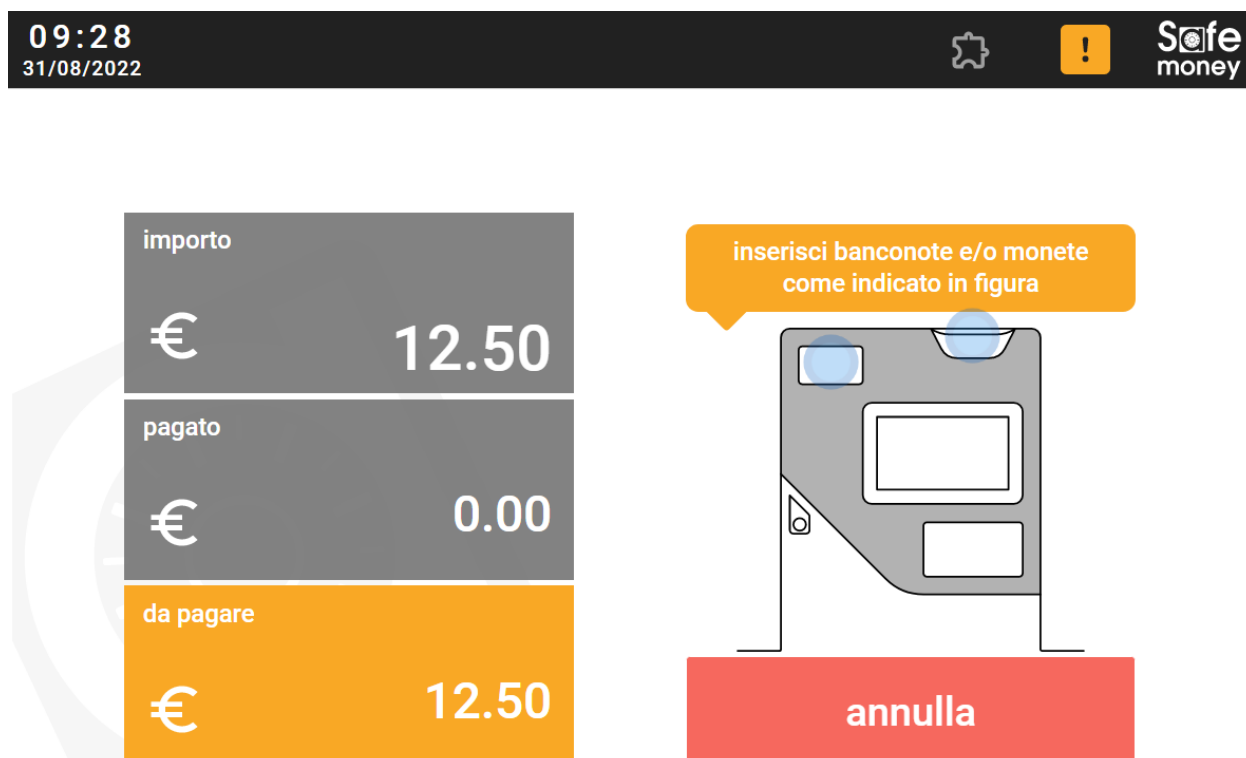
ATTENTION

Safemoney can be used stand-alone, i.e. directly from the user interface via **Direct payments** or alternatively managed by cash register software or fiscal recorder. ([Settings paragraph 3.3](#))

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2.1.3 PAYMENT SCREEN

This interactive mask appears whenever a payment is in progress. Through graphic indications, the user is guided during all phases of the transaction, from inserting cash to returning the change:



3. CONFIGURATION

3.1 NETWORK

Network interface configuration menu, set manual address or DHCP.

11:04
25/08/2022

RETE

DHCP **si** **no**

indirizzo IP
192.168.34.212

subnet
255.255.255.0

gateway
192.168.34.1

DNS primario
8.8.8.8

3.2 USERS

On this page, you can change the pin code for the following user profiles. It is not possible to create new users or change permissions.

NAME	PROFILE	PIN	PERMITS
driver	Admin	0000	Pay, Reload, Empty, Reset, Withdraw, Inventory, Log, Turn Off
administrator	Admin	1111	Pay, Reload, Empty, Reset, Withdraw, Inventory, Log, Turn Off
user	User	3333	Pay, Top Up
anonymous	Customer	ND	Internal use - not configurable

It is recommended to use the user "*driver*" For communication with third-party software or cash register, provide the users' pin "*administrator*" And "*user*" Respectively to the owner and to the authorized operators of the point of sale.

3.3 SETTINGS

Panel for Safemoney settings and operating modes.

Setting	si	no
modalità assistita vuoi che il pagamento sia gestito dal personale direttamente sul SafeMoney?	si	no
coda pagamenti vuoi che il personale selezioni uno dei pagamenti in coda, ricevuto da uno dei registratori del negozio?	si	no
pagamento diretto in coda pagamenti vuoi consentire il pagamento diretto quando è attiva la coda pagamenti?		no
modalità erogazione resto SMART: massima efficienza dei livelli TAGLIO: eroga il minor numero di tagli	taglio	

ASSISTED MODE: if enabled, it requires the presence of an operator inside the store to manage the *Direct payments* and of *Payment queue*. If disabled, the payment can be managed exclusively from cash register software stations or from a fiscal recorder.

ATTENTION

To connect Safemoney with third party software or to the fiscal recorder it is necessary to disable ***Assisted mode***.

PAYMENT QUEUE: if enabled, it allows Safemoney to receive multiple payments at the same time from one or more cash points, the operator then selects which of the queued payments to initiate. ([Payment queue paragraph 2.1.2](#))

DIRECT PAYMENT IN THE PAYMENT QUEUE: if enabled via the key with the Euro symbol, it is possible to enter an amount and start a *Direct payment* also in mode *Payment queue*. ([Payment queue paragraph 2.1.2](#))

REST DISPENSING METHOD: it is possible to choose two types of algorithms:

SMART: maximum efficiency in terms of speed and balancing of the levels of recycled banknotes and coins.

CUT: attempts to dispense the largest denominations, therefore the lowest number of banknotes and coins as possible.

Setting	Value
resto parziale in assenza di banconote e/o monete, vuoi che SafeMoney restituisca il massimo valore possibile?	si
modalità cliente disattiva accesso alle informazioni del sistema	no
visualizza tasto annulla visualizza sempre il tasto annulla indipendentemente dalla modalità scelta	si

PARTIAL REST: if enabled, Safemoney disburses the maximum possible change. If disabled, in case of insufficiency of the total amount, it does not pay out any amount.

CUSTOMER MODE: if enabled, it blocks the *Notification bar*.

DISPLAY CANCEL BUTTON: if enabled, displays the key to cancel the transaction regardless of the mode chosen. ([Payment screen paragraph 2.1.3](#))

3.4 NOTIFICATIONS

In this section you can enable the sending of notifications via email.



Button to send a test mail.



Button for saving settings.

11

12:18
22/08/2022

Safe money

NOTIFICHE [1/2]

Abilitazione generale Abilita tutti i tipi di notifiche previste	si no	
Notifica apertura porta invia una notifica all'apertura dello sportello	si no	
Notifica spegnimento invia una notifica quando il Safemoney viene spento	si no	
Notifica prelievo contante invia una notifica se l'operatore effettua un prelievo	si no	

notifiche

email

In the configuration tab *e-mail*, the option "**DWS Email Provider**" allows you to send emails by specifying only *Destination email address*.

Indirizzo email di destinazione

Usa server SMTP predefinito
 Abilita servizio DWS Email Provider

si

no

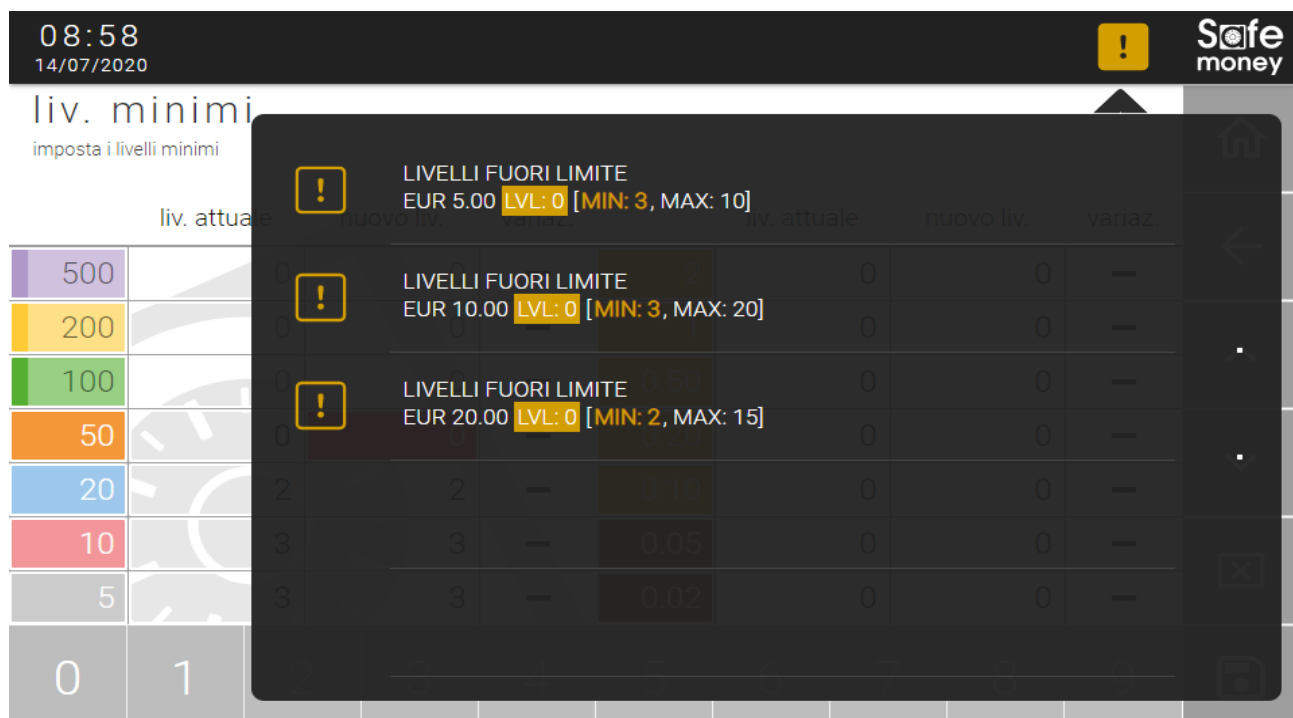
3.5 MINIMUM LEVELS

THE **Minimum levels** are used to set the *Cash fund* and for real-time control of the low stock in the bar *Status notifications*, the recommended values are set by default to ensure efficient delivery of the change.

ATTENTION

12

THE **Minimum levels** are fundamental to the operation of **Partial emptying**, in that case Safemoney empties all excess banknotes and coins and leaves the *Cash fund* in recyclers. ([Emptying paragraph 4.2](#))



In the figure you can see three warnings in the section *Status notifications* because the levels of the recycled banknotes (0) do not satisfy the setting of *Minimum levels* (3).

3.6 MAXIMUM LEVELS

THE **Maximum levels** they are used to set a limit to the banknotes or coins that a recycler can keep, by default the recommended threshold value is set for each specific device.

In Safemoney models equipped with Cashbox, all excess banknotes or coins will in any case be accepted, accounted for and subsequently sent to the cash box. In case of mixed recyclers(*MIX) this inventory balancing mechanism facilitates the quick search for cash during the restitution phase.

13

10:27
14/07/2020

!

Safe money

liv. massimi

imposta i livelli massimi

liv. attuale

nuovo liv.

variaz.

liv. attuale

nuovo liv.

variaz.

500	0	0	—	2	0	0	—
200	0	0	—	1	0	0	—
100	0	0	—	0.50	0	0	—
50	0	0	—	0.20	0	0	—
20	15	15	—	0.10	0	0	—
10	20	20	—	0.05	0	0	—
5	10	10	—	0.02	0	0	—

0

1

2

3

4

5

6

7

8

9

⌂

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↓

✕

💾

ATTENTION

You can set the **Minimum and maximum level** only for recycling cuts. It is not possible to set a value greater than the physical limit of the device.

3.7 INSTRUCTIONS

In this panel you decide the destination of banknotes and coins.

15:02
09/07/2020

instradamento
scegli la destinazione di banconote e monete

	instrad. attuale	nuovo instrad.		instrad. attuale	nuovo instrad.
500	cassetto	cassetto	2	riciclatore	riciclatore
200	cassetto	cassetto	1	riciclatore	riciclatore
100	cassetto	cassetto	0.50	riciclatore	riciclatore
50	riciclatore	riciclatore	0.20	riciclatore	riciclatore
20	riciclatore	riciclatore	0.10	riciclatore	riciclatore
10	riciclatore	riciclatore	0.05	riciclatore	riciclatore
5	riciclatore	riciclatore	0.02	riciclatore	riciclatore

riciclatore cassetto bloccato

RECYCLER: banknotes and coins will be accepted, accounted for and routed to the recyclers, then used for payments.

DRAWER: where present, banknotes and coins will be accepted, accounted for and routed in Cashbox, not used for the management of payments.

STUCK: banknotes and coins will not be accepted.

ATTENTION

Before changing the routing of one or more names it is necessary to completely empty those recyclers.

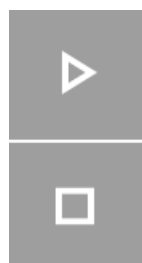
3.8 LANGUAGE

In this panel it is possible to change the language of the Safemoney interface.

4. MANAGEMENT

4.1 MANUAL LOADING

Menu for the *chargingcash*, banknotes on the left and coins on the right.



Button to start manual coin / banknote loading operation.

Button for interrupting the manual loading operation.

15

The column *delta* indicates the difference between the banknotes and coins in the device compared to the setting configured in the **Minimum levels**.

In the figure the *Minimum level* for banknotes of 5, 10, 20 is set to **10**, as there are no banknotes in the example shown, the delta is **-10**.

17:46
02/07/2020

 Safe money

caric. manuale
carica manualmente banconote e monete



	livello		totale	delta		livello		totale	delta
500	0	0.00	0	2	0	0.00	0		
200	0	0.00	0	1	0	0.00	0		
100	0	0.00	0	0.50	0	0.00	0		
50	0	0.00	0	0.20	0	0.00	0		
20	0	0.00	-10	0.10	0	0.00	0		
10	0	0.00	-10	0.05	0	0.00	0		
5	0	0.00	-10	0.02	0	0.00	0		
totale		0.00		totale		0.00			
totale generale								0.00	







4.2 EMPTYING

The operation of **Emptying** withdraws the cash from the recycler and places them in the Cashbox where present, otherwise it dispenses them.

It is possible to carry out two types of emptying:



PARTIAL EMPTYING: empties the surplus with respect to *Minimum levels* set (Cash fund).



TOTAL EMPTYING: empties by resetting all the cuts in recycling.



Button to select which peripheral to empty, only banknotes, only coins or both.

16

09:05
07/07/2020

 Safe
money

svuotamento

svuota parzialmente o totalmente il SafeMoney

	livello	totale	delta		livello	totale	delta
500	0	0.00	0	2	0	0.00	0
200	0	0.00	0	1	0	0.00	0
100	0	0.00	0	0.50	0	0.00	0
50	0	0.00	0	0.20	0	0.00	0
20	0	0.00	-10	0.10	0	0.00	0
10	0	0.00	-10	0.05	0	0.00	0
5	0	0.00	-10	0.02	0	0.00	0
totale		0.00	totale		0.00		
totale generale							0.00

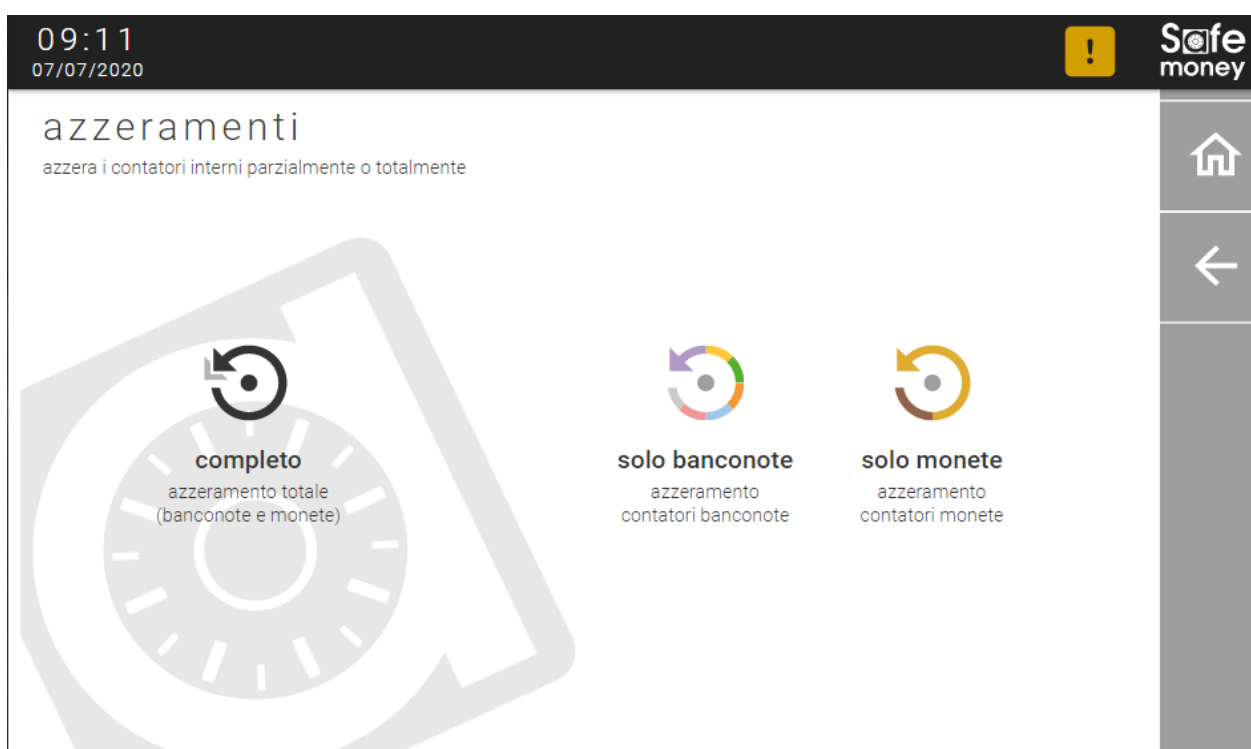
4.3 RESETTING

The staff of the authorized point of sale, following the manual withdrawal of cash from the Cashbox, is required to carry out the **Zeroing** logic of the counters.

ATTENTION

The manual withdrawal of cash from the Cashbox, without the consequent operation of **Zeroing**, generates incorrect information in **Inventory**.

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4.4 WITHDRAWAL BY QUANTITY

This menu allows you to withdraw certain denominations of banknotes and coins.

09:13
07/07/2020

effettua un prelievo per quantità

500

0

0

0

2

0

0

0

200

0

0

0

1

0

0

0

100

0

0

0

0.50

0

0

0

50

0

0

0

0.20

0

0

0

20

0

0

0

0.10

0

0

0

10

0

0

0

0.05

0

0

0

5

0

0

0

0.02

0

0

0

←

^

v

✕

↑

0

1

2

3

4

5

6

7

8

9

↑



The numeric keypad to enter the quantity to be withdrawn.

^

v

✕

↑

Arrows to move between the various denominations of banknotes and coins.

Key to delete the cell value.

Button to start the withdrawal.

4.5 FAST WITHDRAWAL

This menu is used to make a *quick withdrawal*, simply by entering the amount and confirming with the red arrow.

09:21
07/07/2020

Safe money

prelievo veloce
effettua un prelievo veloce per valore

richiesto	€	0.00
erogato	€	0.00
non erogabile	€	0.00

7	8	9
4	5	6
1	2	3
0		.
ⓧ	⏪	➡

4.6 INVENTORY

In **Inventory** it is possible to view the complete list of banknotes and coins present in Safemoney and the current configuration of *Routing*.

The page is divided into two separate screens, with the side arrows you can move from the banknote inventory to that of coins.

20

We have the details of banknotes and coins present in recyclers (*recycler*), the Cashbox counter (*drawer*), the total sum divided by denomination (*total*), the difference between the current level of the recycler and the minimum level set (*delta*), setting the levels (*min.*, *max.*), and routing (*destination*). Below the *Subtotal* of banknotes or coins and the *grand total*.

09:33 07/07/2020								Safe money
inventario								🏠
visiona l'inventario sui livelli attuali del SafeMoney								←
	liv. riciclatore	liv. cassetto	totale	delta	liv. min.	liv. max.	destinazione	
500	0	0	0.00	0	0	0	🚫	
200	0	0	0.00	0	0	0	📄	
100	0	0	0.00	0	0	0	📄	
50	0	0	0.00	0	0	0	🔄	
20	0	0	0.00	-10	10	50	🔄	
10	0	0	0.00	-10	10	25	🔄	
5	0	0	0.00	-10	10	50	🔄	⬆
totale			0.00					⬇
totale generale							0.00	

4.7 TRANSACTION LOG

In **Transaction log** we have the list of operations carried out by Safemoney.

The screen is divided into horizontal grids, at the top right the buttons to change the date while at the bottom left the buttons to scroll the various operations between the pages.

21

From the left **Now** of the operation, if any **Description** sent by software, type of operation (e.g. payment, withdrawal, emptying, etc.), the amount requested by Safemoney (**amount**), the total entered (**paid**), the total paid out (**paid**), any amount not paid (**not dispensed**), the total amount entered into Safemoney (**tot**), **outcome** of the operation (e.g. completed, canceled).

12:04 18/08/2022								Safe money	
LOG TRANSAZIONI		<		28/7/2022		>		Home	
ora	descrizione	tipo	importo	pagato	erogato	non erog.	tot	esito	
14:44:25	Payment request from FileAdapter - 20€	pagamento	20.00	50.00	20.00	10.00	30.00	completato	←
14:43:58	Payment request from FileAdapter - 20€	pagamento	20.00	20.00	0.00	0.00	20.00	completato	^
14:40:50		svuotamento tot	0.00	0.00	230.60	0.00	-230.60		↓
14:37:47	Payment request from FileAdapter - 10€	pagamento	10.00	10.00	0.00	0.00	10.00	completato	
14:37:33		prelievo	10.00	0.00	10.00	0.00	-10.00	completato	
14:25:11	Payment request from FileAdapter - 45€	pagamento	45.00	45.00	0.00	0.00	45.00	completato	
14:24:18	Payment request from FileAdapter - 5,5€	pagamento	5.50	10.50	5.00	0.00	5.50	completato	
< >		4 di 6							

5. FIRST PROGRAMMING

The activation or first programming consists in the choice of the model and insertion of the **activation code**.

The **activation code** is unique and is generated by the **serial number** by Safemoney and **installation id** (coin-banknote peripheral serial).

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The request to enter the model choice and to activate it occurs only at the first programming or in the event of a change **installation id**.

SAFEMONEY.WEB app

127.0.0.1:9091

11:02
12/04/2022

Safe money

ATTIVAZIONE

modello selezionato
compact

numero seriale
0218162306

id di installazione
5402195-4491812

codice di attivazione
329E11FB79BF8835

0 1 2 3 4 5 6 7 8 9

For information on generating license keys, visit the site www.ditronetwork.com in the Software Modules Activation Area section.

***All information contained in this manual may be subject to
changes by Ditronetwork Srl without prior notice.
For any information or further information, contact the Technical Assistance Service
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