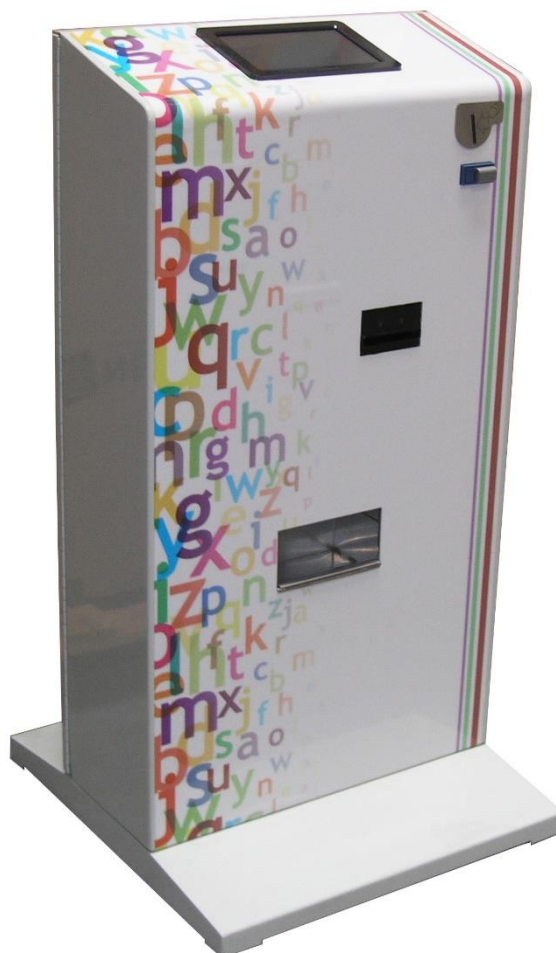




Dispenser/Reloader  
of Gespage accounts  
associated with an RFID card

User's manual v2.8.0

# DRC10 / CR10



### ≧ SAFETY ≦

This CARTADIS product and supplies are manufactured and certified to strict safety regulations, electromagnetic regulations and established environmental standards.

### ≧ WARNING! ≦

Any unauthorised alteration, which may include the addition of new functions or connection of external devices, may impact the product certification.

Please contact your CARTADIS representative for more information.

#### ⇒ Warning markings

All warning instructions marked on or supplied with the product should be followed.

#### ⇒ Electrical supply

This product shall be operated from the type of electrical supply indicated on the product's data plate label. If you are not sure that your electrical supply meets the requirements, please consult your local power company for advice.

To disconnect all electrical power to the product, the disconnect device is the power cord. Remove the plug from the electrical outlet.



#### ⇒ Operator accessible areas

This product has been designed to restrict operator access to safe areas only. Operator access to hazardous areas is restricted with covers or guards which would have to be removed using a tool. Never remove these covers or guards.

#### ⇒ Maintenance

Any operator product maintenance procedure will be described in the user documentation supplied with the product. Do not carry out any maintenance on the product which is not described in the customer documentation.

#### ⇒ Cleaning your product

Before cleaning this product, unplug the product from the electrical outlet. Always use materials specifically designated for this product. The use of other materials may result in poor performance and may create a hazardous situation. Do not use aerosol cleaners; they may be flammable under certain circumstances.

***For more information on Environment, Health and safety in relation to this CARTADIS product and supplies, please contact the following customer help lines:***

***Europe: +33 1 48 77 40 60.***



The CE mark applied to this product symbolises CARTADIS declaration of conformity with the following applicable European Union Directives as of the dates indicated:

#### ⇒ January 1, 1995:

Council directive 73/23/EEC, amended by Council Directive 93/68/EEC, approximation of the laws of the member states related to low voltage equipment.

#### ⇒ January 1, 1996:

Council directive 89/336/EEC, approximation of the laws of the member states related to electromagnetic compatibility.

A full declaration of conformity, defining the relevant directives and referenced standards, can be obtained from your CARTADIS representative.

### ≧ WARNING! ≦

In order to allow this equipment to operate in proximity to Industrial, Scientific and Medical (ISM) equipment, the external radiation from the ISM equipment may have to be limited or special mitigation measures taken.

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# 1. Introduction

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The **DRC10/CR10** system is an equipment designed to extend the function of the Gespage print solution. The two following versions are available:

- **DRC10:**
  - Dispenses identification cards to users against a payment (by coins, bills).
  - Reloads the user print accounts.
- **CR10:**
  - Does not feature a module for card dispensing, this device reloads the user print accounts against payment.

The functions common to both devices are:

Display of the user information on a 7-inch colour screen:

- Entry of the user information (identification, various options) on the touchscreen.
- Reload of the print account by coins.
- As an option, reloading by bills and bank card.
- Possibility of decreasing prices.
- User identification by various means:
  - Entry of an identifier on the touchscreen, to choose from:
    1. Login/password,
    2. Print code.

- User identification by passing an identification card. Several readers may be installed according to the card technology chosen:
  1. MIFARE contactless or 125Khz,
  2. ISO magnetic,
  3. QR code.

The type of reader wished must be placed at the time of order.

The specific functions of the **DRC10** are:

- Dispensing of MIFARE contactless cards.
- Dynamic registration of an anonymous account when buying a card

The system is very simple to use and accessible to users without any particular training. An account is reloaded as follows:

1. User identification by entering an identifier or by passing a card.
2. Coin insertion, the user displays the status of his account and the amount inserted (attention the system does not give change).
3. The end of reload is displayed by pressing a key or by passing the identification card once again. In case you have forgotten, the transaction will be closed automatically after an adjustable time.

The **DRC10/CR10** system runs in “On Line “mode, i. e. it is always connected to the print server. A power failure will make the system ineffective until the network is restored.

# 2. Installation

---

## 2.1 Prerequisite

The implementation of a **DRC10/CR10** system requires the following items:

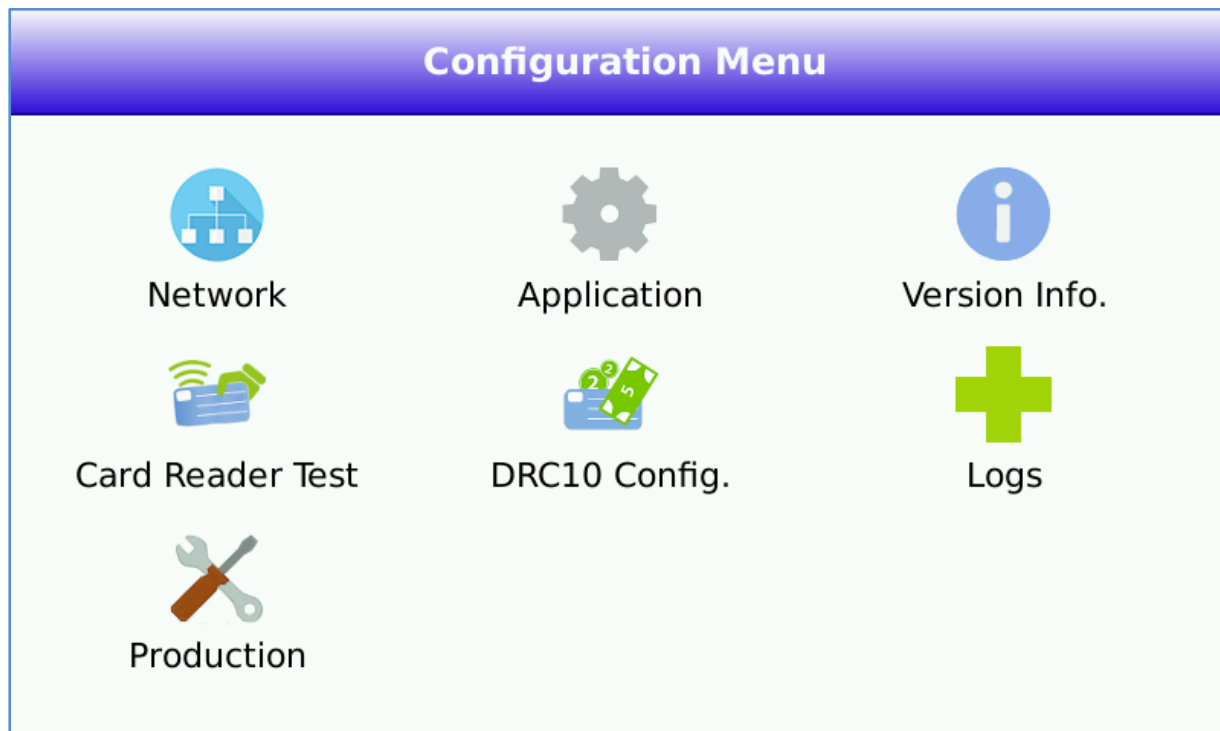
- A Gespage server (Windows or Linux) at least to the v8.0 version.
- A RJ45 network connection close to the **DRC10/CR10** system.
- A power supply also close to the **DRC10/CR10** system.
- The network configuration will enable the **DRC10/CR10** to reach the IP address of the Gespage server. From a network point of view, the **DRC10** is a server client, it performs calls to the server on the TCP/IP 7180, there is no call from the server to the **DRC10**.
- In the case of a **DRC10** with payment by bank card, ports 1146 and 7212 must be open in order not to block the bank flow.

## 2.2 Configuration of the network parameters

The configuration of a **DRC10/CR10** includes a configuration part of the network parameters carried out on the **DRC10/CR10**, and a configuration part of the functioning modes carried out the Gespage server.

The **DRC10** door opening is detected by a micro-switch that moves to the access of the **DRC10** administration menu. Closing the door puts the **DRC10** back to the operating mode.

The administration menu is displayed as follows:

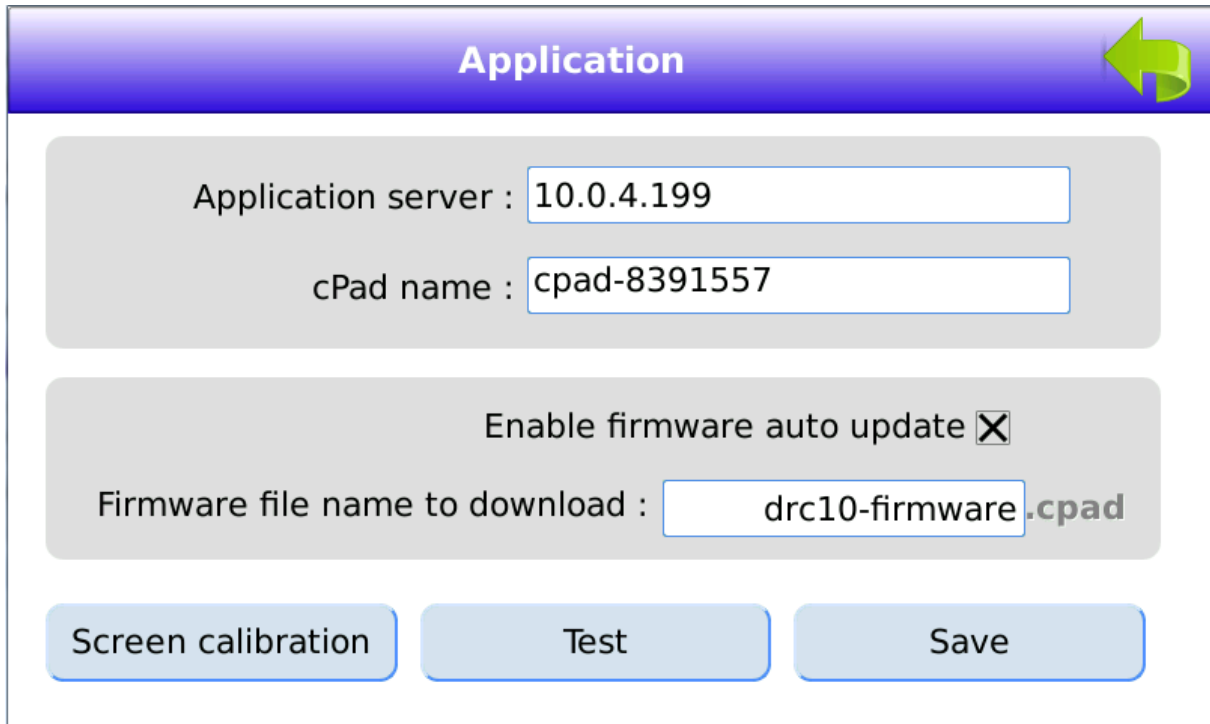


The functions accessible from the administration menu are:

- **Network:** Configuration of the network parameters.
- **Application:** Configuration of the connection to the Gespage server.
- **Version Info.:** Display of the firmware versions.
- **Card Reader Test:** Test of the card reader used for the user identification and the card dispensing mechanism.
- **DRC10 Config.:** Configuration of the coins and bills acceptance, viewing of the sales statistics and function of cash collection.
- **Logs:** Display of the **DRC10** internal log.
- **Production:** Selection of the type of device to be used (DRC10, DRC9 etc...).

Please first configure the address of the Gespage server to which the **DRC10** will have to transfer the amounts of money inserted. Therefore, please select the "Application "menu, the **DRC10** will display the following screen:





**Application**

Application server : 10.0.4.199

cPad name : cpad-8391557

Enable firmware auto update ☒

Firmware file name to download : drc10-firmware.cpad

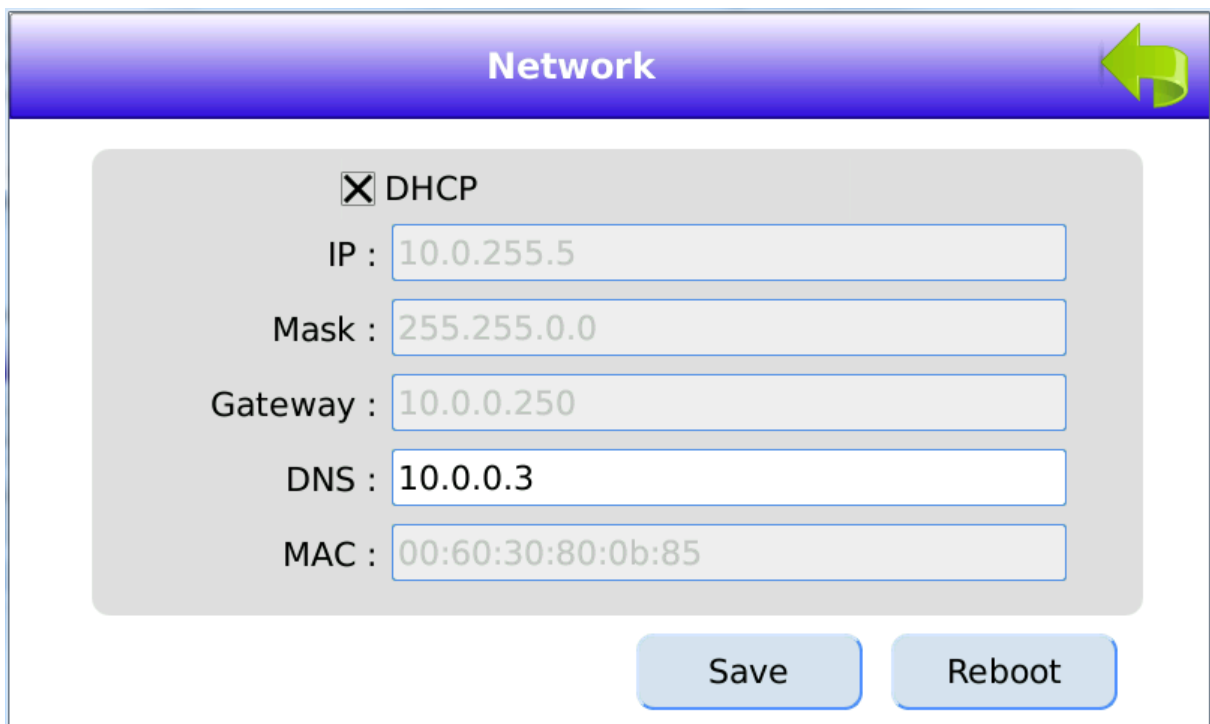
Screen calibration Test Save

Please fill in the “Application Server” field with the IP address of the Gespage server.

If you wish so, the **DRC10** default name may be modified, this is the name that will appear in the Gespage server.

You can also activate the automatic update (recommended) and modify the default name of the file containing the firmware on the Gespage server. Please save the modification and go back to the main menu by pressing the green arrow at the top right of the screen.

You must now set the **DRC10** network parameters by selecting the “Network” menu, see the screenshot below. You will be able to set a fixed IP address or run “in automatic IP address mode (DHCP). Once the parameters modified and saved, please press the “Reboot” button.



**Network**

☒ DHCP

IP : 10.0.255.5

Mask : 255.255.0.0

Gateway : 10.0.0.250

DNS : 10.0.0.3

MAC : 00:60:30:80:0b:85

Save Reboot

After the first restart of the DRC10, a call to the server will be established and an automatic creation of the DRC10 data will be performed on the Gespage server.

By means of the Web browser, open the Gespage interface. The URL of the Gespage server is of the form: [http://IP\\_Gespage:7180/admin](http://IP_Gespage:7180/admin) Replace "IP\_Gespage" with the address of your Gespage server.

On the Gespage login page, log in with the user "admin". Then from the "Printers" menu, choose "Terminals / List of terminals", select the tab "DRC10".

You should get the following type of display:

The screenshot shows the Gespage web interface. At the top, there is a navigation bar with links: Printers, Printers / Copiers, Terminals, Reader profiles, and Price profiles. Below this is a green bar with the text 'List of terminals'. A filter bar is present below the green bar. The main content area has tabs: cPad, Pay station, DRC10 (selected), Other devices, and CMI. Below the tabs is a table titled 'List of terminals'. The table has columns: Name, Serial, IP address, Comments, and Status. There are three rows of data. The first row has a green checkmark in the Status column. The second and third rows have red 'X' marks in the Status column. Below the table, there are icons for PDF and XLS export.

Name	Serial	IP address	Comments	Status
drc10_8388626	8388626	10.0.255.34		✓
drc10_8390382	8390382	10.0.255.20		✗
drc10_8391557	8391557	10.0.255.5		✗

You should see at least one row in the table, which corresponds to the number of the **DRC10** you just installed.

## 2.3 Configuration of the global parameters

The global parameters are common to several **DRC10/CR10**, they relate to:

- The authentication mode of users when they log via the keyboard of the touchscreen. There are three methods:
  - *Input of Gespage account only.*
  - *Input of account and password (login/password).*
  - *Input of the print code.*
- The authentication mode of users when they log with a card. There are three methods:
  - *Card without password.*
  - *Card + password.*
  - *Card + pin.*
- Type of allowed logins:
  - *Card and keyboard:* users can identify by using their card or a login on the keyboard.
  - *Card only.*
  - *Keyboard only.*
- Association card ID to user:
 

When a card is presented to the **CR10/DRC10** and it is not known to the server, the **DRC10/CR10** can report an error or ask the user to identify on the keyboard.

  - *Done by the users:* if the card is not known, the **DRC10/CR10** requests for a keyboard authentication to the user.
  - *Done by the administrator:* if the card is not known, the **DRC10/CR10** displays an error.

**Authentication method used with Cartadis terminal**

For a keyboard login: Input of Gespage account only ▼

For a card login: Card without password ▼

Allowed logins:

- ☒ Card and keyboard
- ☐ Card only
- ☐ Keyboard only

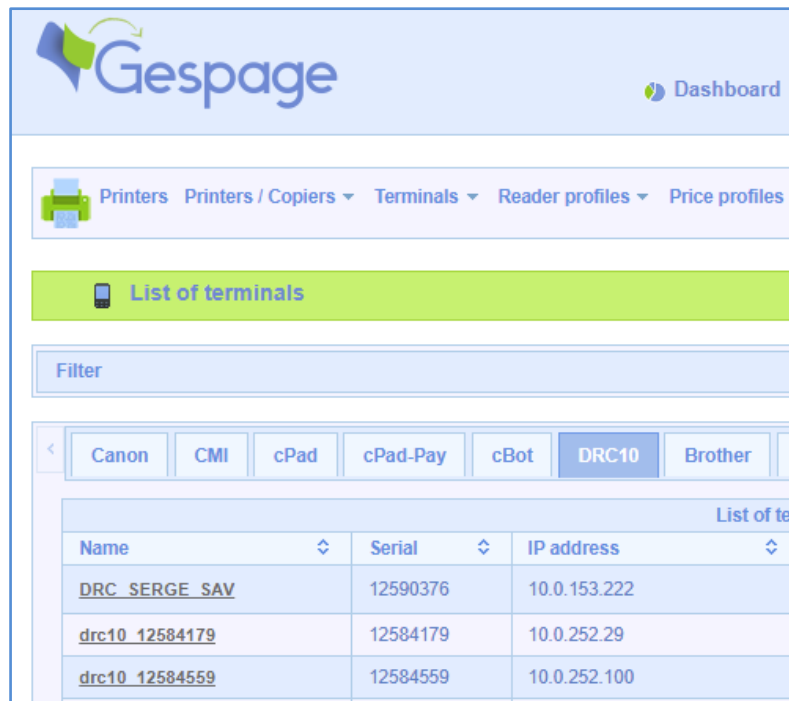
Association card ID to user:

- ☒ Done by the users
- ☐ Done by the administrator
- ☐ Done by administrator and copy user

**Advanced parameters**

## 2.4 Advanced parameters

Parameters, called advanced, define the **DRC10/CR10** behaviour, the prices for the card selling or the account reloading. The definition of prices enables decreasing tariffs to be introduced. The advanced parameters are:



- **Account\_creation\_mode** = email, anonymous, full, full\_card
  - *In anonymous mode* (only for **DRC10**), when buying a card, an anonymous Gespage account is created (this is a copy-only account, the card bought will be linked to the account).
  - *In email mode* (only for **DRC10**) you can fill in an email address for the anonymous account that will be created at the time of buying the card (this is a copy-only account, the card bought will be linked to the account).
  - *In full mode*
    - On a **CR10**, displays the "account creation" button, a Gespage account can then be created (copy and print) by indicating all personal information.
    - On a **DRC10**, the account creation is performed at the time of buying the card and links the card to the account.
  - *In Full card mode* (only for **CR10**), displays the "account creation" button, a Gespage account can then be created (copy and print) by indicating all personal information and linking a subscription card to it.
- **drc10\_carddispenser\_enabled**=1 or 0
  - (1) when the system is fitted a card dispensing mechanism (**DRC10**).
  - (0) if there is no card dispensing (**CR10**).
- **drc10\_card\_selling\_price**=P
  - With P equal to the price of new cards (value in cents).
- **drc10\_card\_buy\_confirmation\_enabled** = 0 or 1
  - Allows the addition of a confirmation screen when pressing the "Buy card" button.

- **drc10\_cardid\_in\_sector= 1 or 0**  
This parameter is used when buying a card.  
If it is 0, the card ID is used for its association with an account.  
If it is 1, a specific sector may be read to identify the card when associated with an account (depends on the parameters applied to the TCM3 card reader) (*only compatible with a TCM3 13.56Mhz v5.3.5 reader minimum*).
- **drc10\_card\_minimum\_amount\_allowed**  
Allows you to set a minimum amount to be inserted when buying a card (regardless of the price of the card which, if set, must be added to this minimum authorized amount).
- **drc10\_cashbox\_max\_bills=B**  
With B which represents the maximum number of bills collected before an alert is created in the event log and an email may be sent to the administrator.
- **drc10\_cashbox\_max\_coins=C**  
With C which represents the maximum number of coins collected before an alert is created in the event log and an email may be sent to the administrator.
- **drc10\_display\_prices=D**  
If D is equal to 1, prices are displayed on the **DRC10/CR10** screen.  
If D is equal to (0), they are not displayed.
- **drc10\_display\_card\_price = 1 or 0**  
If D is equal to 1, the price of the card is displayed on the **DRC10/CR10** screen.  
If D is equal to (0), it is not displayed.
- **drc10\_stats\_info\_total\_bills\_value=T**  
This parameter is a **DRC10/CR10** feedback, it cannot be modified. It represents the total amount of bills collected from the installation. This value is expressed in cents.
- **drc10\_coin\_acceptor\_enabled= 1 or 0**  
This parameter is used to enable (1) or disable (0) coin acceptance.
- **drc10\_bill\_validator\_enabled= 1 or 0**  
This parameter is used to enable (1) or disable (0) the acceptance of bills.
- **drc10\_payment\_card\_enabled= 1 or 0**  
This parameter is used to activate (1) or deactivate (0) payment by bank card.
- **drc10\_cashbox\_max\_bills**  
This parameter is used to set the maximum amount of bills accepted in the cash box.  
Set to "0" to disable this limitation.
- **drc10\_cashbox\_max\_coins**  
This parameter is used to set the maximum amount of coins accepted by the **DRC10**.  
Set to "0" to disable this limitation.
- **drc10\_cashbox\_max\_cash\_allowed**  
This parameter is used to set the maximum amount of cash accepted by the **DRC10**.  
Set to "0" to disable this limitation.
- **drc10\_copycard\_association\_enabled= 1 or 0**  
A "1", when passing a card associated with an anonymous account, allows it to be associated with an existing nominative Gespage account.  
A (0), the DRC10 does not propose the association.

- **drc10\_stats\_info\_total\_coins\_value=T**  
This parameter is a **DRC10/CR10** feedback, it cannot be modified. It represents the total amount of coins collected from the installation. This value is expressed in cents.
- **drc10\_user\_credit\_max\_value\_allowed=M**  
This parameter is a safety parameter. The value M represents the maximum value of user credit. Over this amount, the account cannot be reloaded. This value is expressed in cents.
- **drc10\_maintenance\_mode = 1 or 0**  
A (1) enables a maintenance message to be displayed.  
A (0) the maintenance screen is not displayed.
- **firmware\_autoupdate\_enabled=T**  
If T is equal to (1) (default value), the **DRC10/CR10** updates its firmware automatically from reference file placed on the Gespage server. If T is equal to (0), there is no update.
- **firmware\_autoupdate\_filename=filename**  
The string "filename" is the name of the firmware file. Its default value is "drc10-firmware".  
This file must be placed on the Gespage server under the path:  
**C:\Program Files\Gespage\GespageCore\server\resources\medias\drc10\.**
- **payment\_card\_surcharge\_fee = V** (value in cents)  
On the CB receipt, displays the amount of fixed charges on bank transactions.
- **payment\_card\_surcharge\_rate= N**  
On the CB receipt, displays the amount of a commission percentage on bank transactions.
- **polling-timeout=S**  
The value "S" is expressed in seconds; it represents the time elapsed between two data transmissions from the **DRC10** to the Gespage server. The default value is 180 seconds.
- **nb\_prices = N**  
N is the number of price (decreasing prices included). Up to 6 prices may be set. Each price is named "price\_1" for the price 1, "price\_2" for the price 2 etc...
- **price\_1 = X1: Y1**  
X1 represents the amount of money inserted in centimes.  
Y1 represents the value credited either units or cents (function of the Gespage functioning).  
For example, if price\_1 is equal to "10 :1" means that the coin insertion of 0.10€ will give a credit of 1 unit.
- **price\_2 = X2: Y2**  
With X2 which must be higher than X1 and Y2 higher than Y1. For example, if price\_2 is equal to "100 :11" means that the coin insertion of 1.00€ will give a credit of 11 units. Over the value of 1.00€, the amount credited will be based on a unit price of 1 € / 11 € = 0.09€.
- **reader\_type=R**  
With R equal to "tcm2-usb" when the user identifies with RFID cards or "tcmag-usb" when using magnetic cards..
- **reboot-time=H**  
The **DRC10** application resets once a day, H is the time of this restart. The default value is " 3.00 " to 3am.

- **screen-saver-level2=S**  
This parameter defines the number of seconds after which the **DRC10/CR10** screen switches to standby mode (black screen) if there is no activity on the **DRC10/CR10**. The default value is 1800, which is 3 hours.
- **ssl\_server\_certificate\_validated = no**  
This parameter enables or disables certificate checking. The certificate may be imported via USB or via WinSCP transfer.
- **ssl\_server\_certificate\_name = X**  
This parameter defines the name of the certificate to take into account.

Advanced parameters may be set at two levels:

- At the level of the **DRC10/CR10** general configuration:  
Parameters set at this level are applied to all **DRC10/CR10** connected to the server Gespage.
- At the level of each **CR10/DRC10**:  
Parameters set at this level are applied to only one **DRC10/ CR10**.

## 2.5 Settings of the coin and bills acceptance

The coin mechanism of the **DRC10/CR10** potentially accepts coins of 0.05€ 0.10€ 0.20€ 0.50€ 1€ and 2€ and bills of 5€ 10€ 20€ and 50€. The range of coins and bills may be inhibited as follows:

- Open the **DRC10** door.
- Select the menu “DRC10 Config. “.
- Press the key “DRC10 – Device settings “.

The **DRC10/CR10** displays the following screen:

Coins inhibit		Bills inhibit		Card dispenser
Denomination	Inhibited	Denomination	Inhibited	USB reader serial number
€ 0.10	<input type="checkbox"/>	€ 5.00	<input type="checkbox"/>	<input type="text"/>
€ 0.20	<input type="checkbox"/>	€ 10.00	<input type="checkbox"/>	
€ 0.50	<input type="checkbox"/>	€ 20.00	<input type="checkbox"/>	
€ 1.00	<input type="checkbox"/>	€ 50.00	<input type="checkbox"/>	
€ 2.00	<input type="checkbox"/>			

Save Save Save

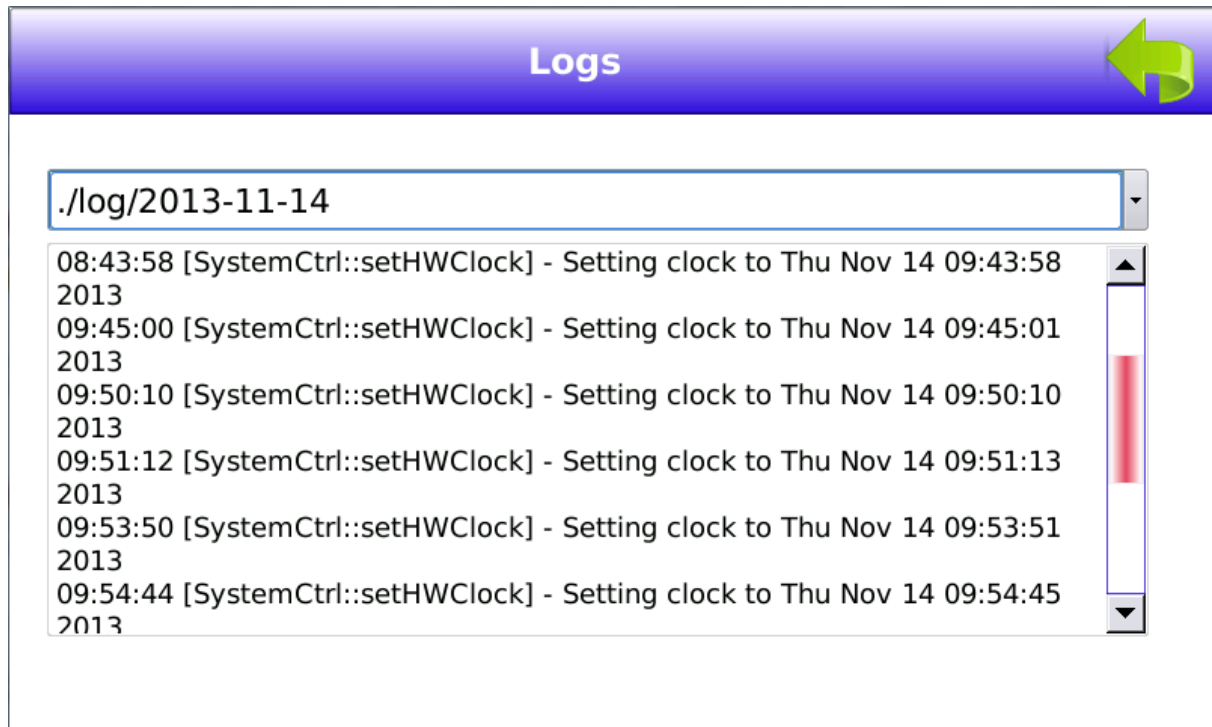
A coin or a bill is rejected by checking the box at the right of the value to inhibit.

**NOTE:**

Concerning the **DRC10**, an internal reader of RFID cards can read the card serial numbers before they are dispensed, the reader serial number is displayed at the right side of the above screen. It must not be modified unless otherwise indicated by the Cartadis support.

## 2.6 Trace file “Logs “

Selecting the menu “Logs “gives access to the trace files stored locally on the CPad.



These files are useful for ensuring a diagnosis in case of defects.



## 2.7 Version of the “Firmware “software

Selecting the menu “Version Info.” gives access to the **DRC10/CR10** software versions.



The **DRC10/CR10** can be updated either by USB or by downloading from the Gespage server.

## 2.8 Update from an USB key


Copy the file of the `xxxx.cpad` form into the root of an USB key.

Connect the USB key when the setup application or Gespage application is running. After 10 seconds, a window will open for asking you to confirm the update.

Remove the USB key after about one minute when the white screen with the Cartadis logo is displayed again.

### Last firmware update:

Make sure that your **DRC10/CR10** is the latest version of firmware by recovering the update file on the site: [Freshdesk](https://gespage.freshdesk.com/fr/support/home) [<https://gespage.freshdesk.com/fr/support/home>]:



## Login to the support portal

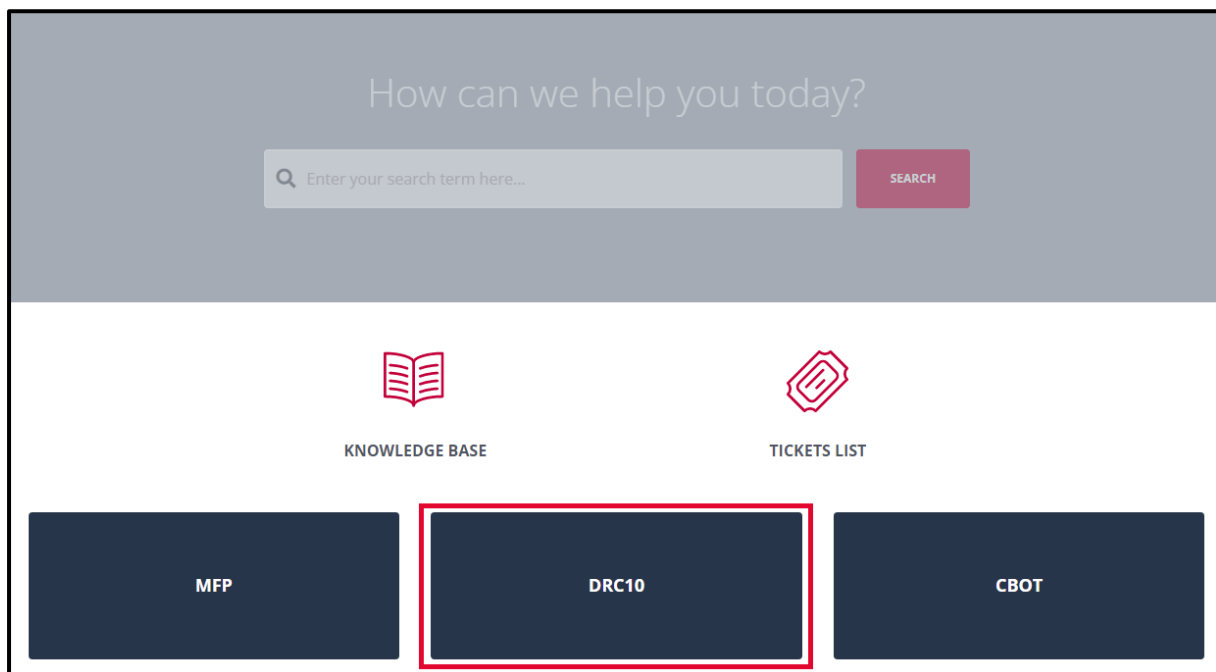
Enter the details below

☒ Remember me on this computer

[Forgot your password?](#)

**LOGIN**

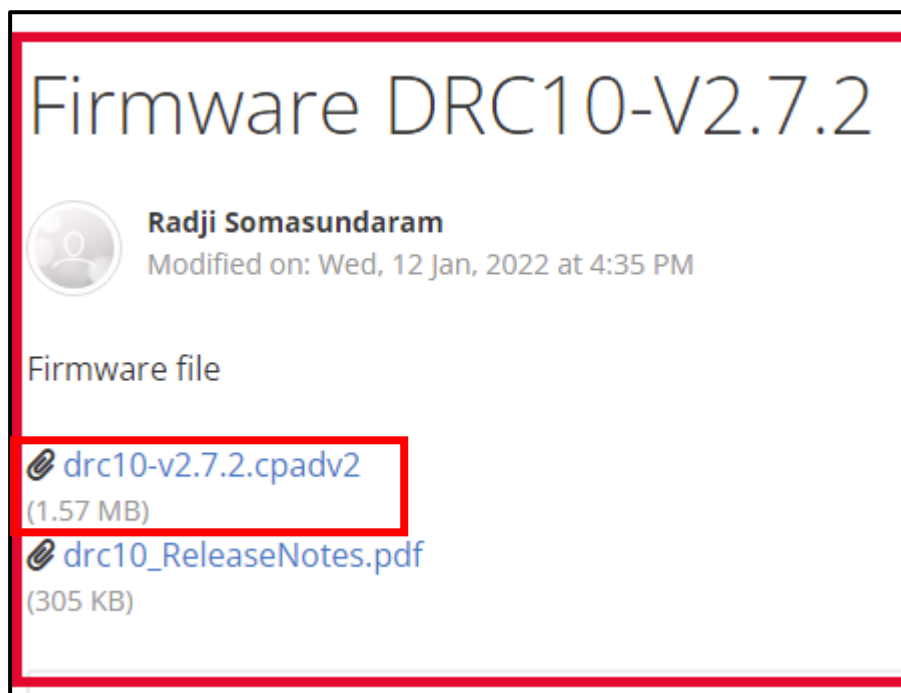
Once connected, access the “DRC10” section. If you do not have an account, send an email to [support@cartadis](mailto:support@cartadis) with name; first name and email address:



Under "Firmware", select the update package link:



Finally, click on the link that ends with "cpadv2":



## 2.9 Update from the Gespage server

Copy the file of the xxxx.cpad form into the Gespage server in the folder:

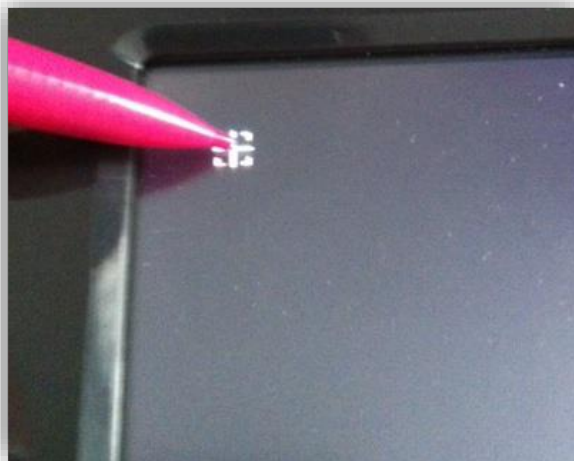
**C:\Program Files\Cartadis\Gespage\server\resources\medias\drc10\drc10-firmware.cpad**

Folders may be created for getting the above path. Rename the file “ xxxx.cpad ”to “drc10-firmware.cpad”.

For the update to be carried out automatically, the **DRC10/CR10** must be configured with the parameter "firmware\_autoupdate\_enabled" (see page 11).

## 2.10 Calibration of the touchscreen

Calibrate the touchscreen by the selecting the “Server “menu and press the button “Calibration “. Use the tip of a pen or a similar instrument (no scissors or knives) as shown on the picture below, touch each pattern on the screen. The calibration screen will close automatically after the fifth calibration point and the application will restart.

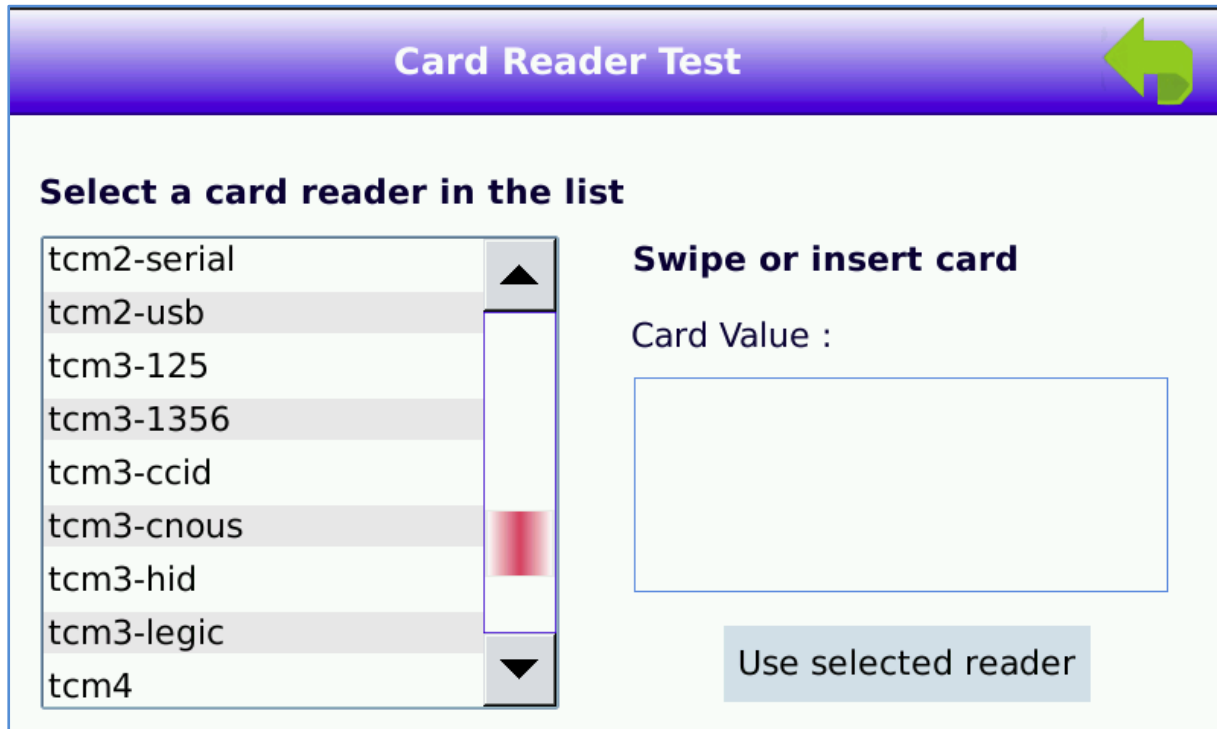


## 2.11 Test of the reader card of user authentication

From the main menu, select the sub-menu “Card Reader Test “. The reader selected must be:

- “tcmX-usb “if RFID cards are used (replace X with the reader you are using, ex: tcm2-usb) or
- “tcmag-usb “if cards with an ISO magnetic track are used.

For testing the correct functioning of the reader, present a card to the reader on the **DRC10** door. You should see the number of the card as shown in the screenshot below.



**Card Reader Test**

Select a card reader in the list

- tcm2-serial
- tcm2-usb
- tcm3-125
- tcm3-1356
- tcm3-ccid
- tcm3-cnous
- tcm3-hid
- tcm3-legic
- tcm4

**Swipe or insert card**

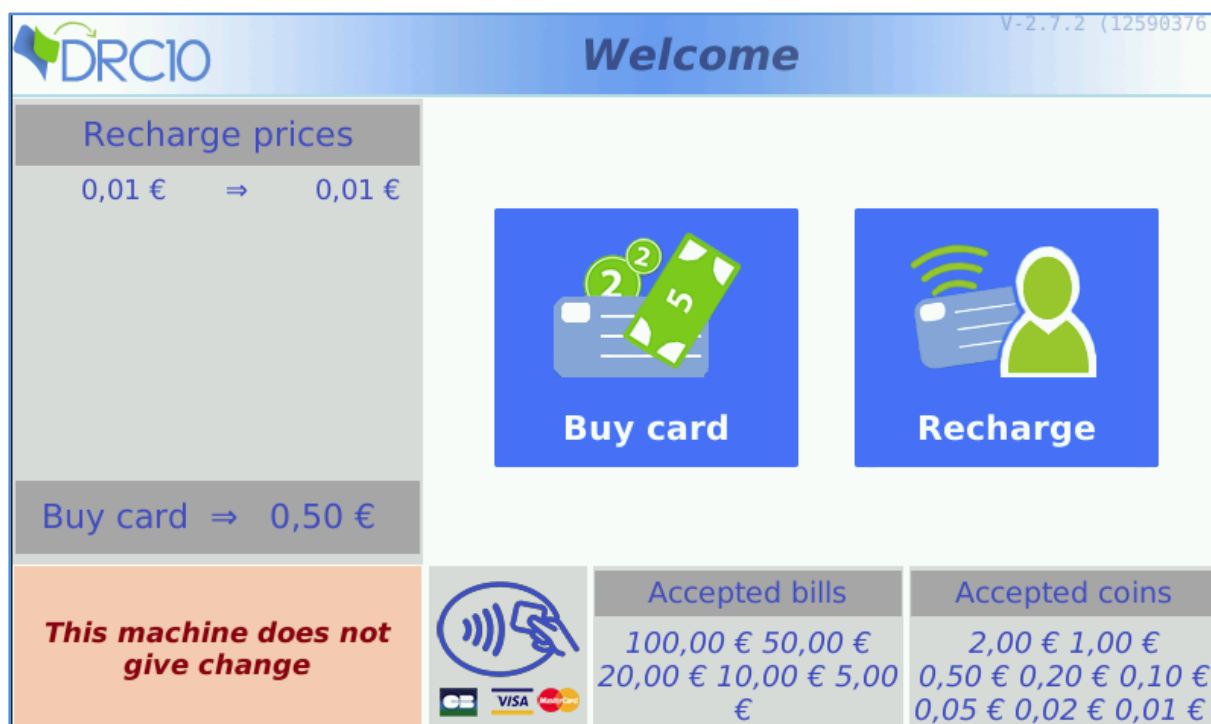
Card Value :

Use selected reader



# 3. Use

The **DRC10** welcome screen is:

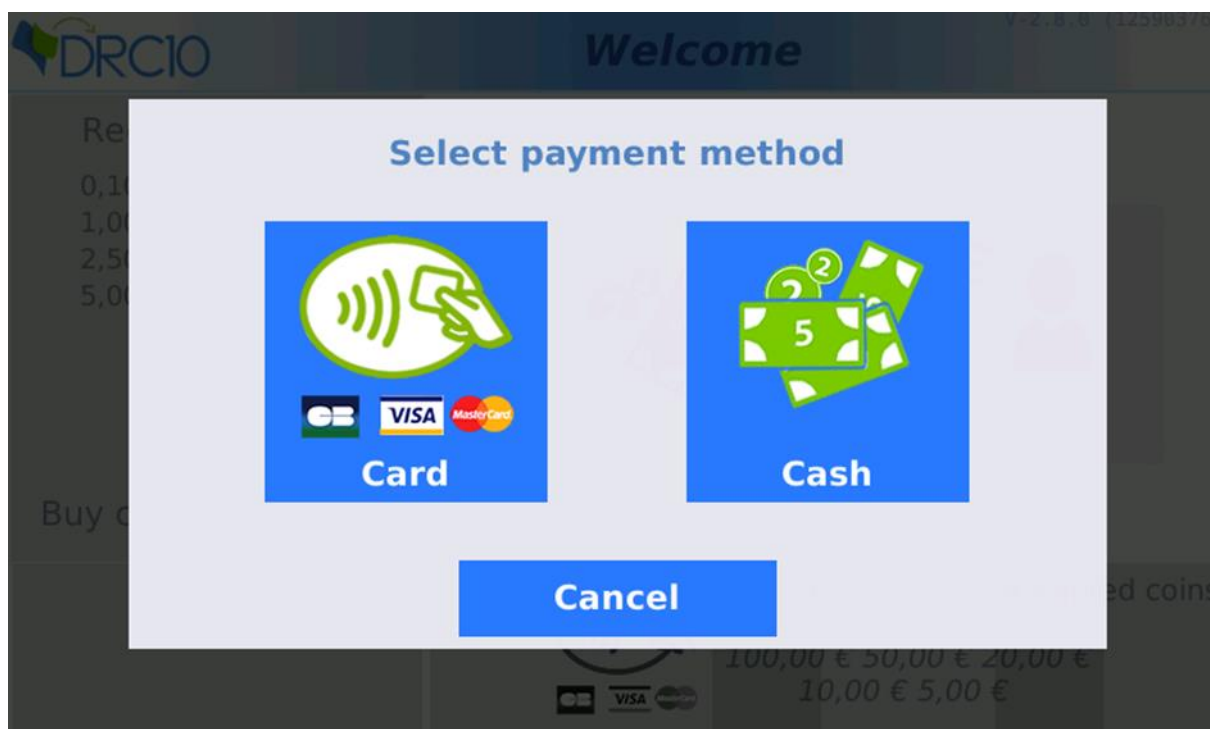


For buying a card (only on a **DRC10**, on **CR10** this option is not displayed ), the user must press the key "Buy card".

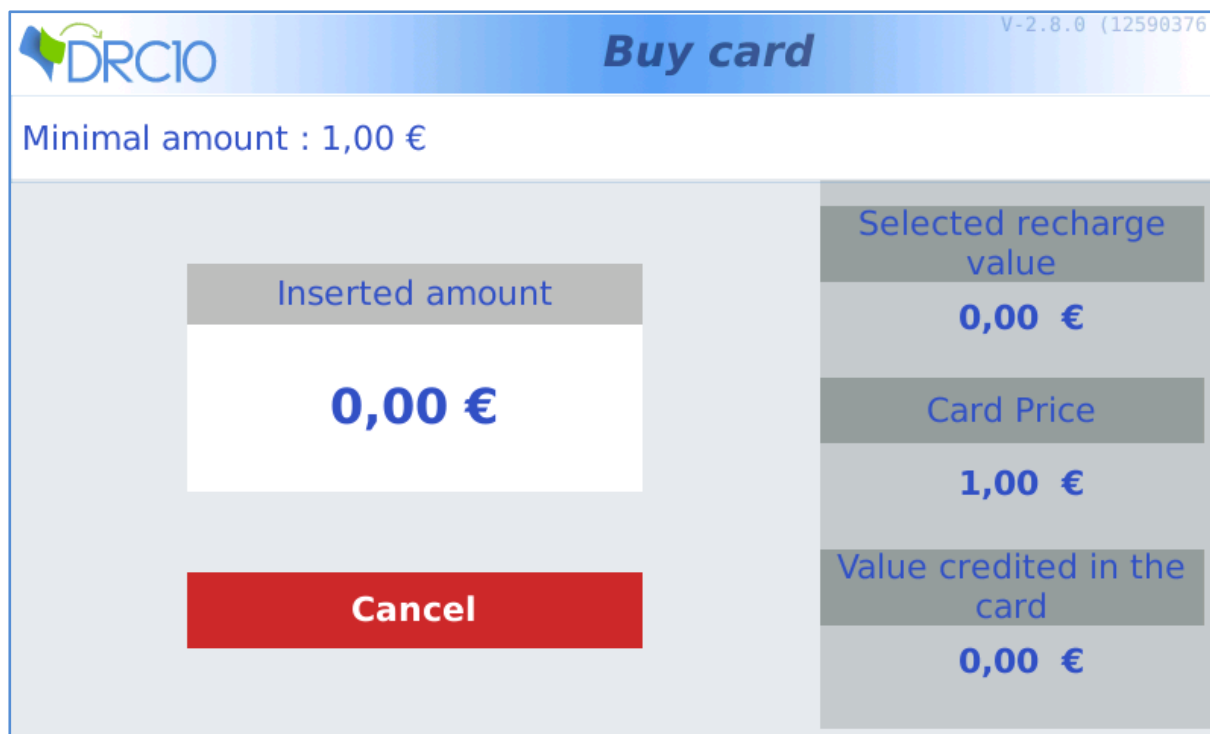
For recharging a Gespage account, he will have to swipe his card to the reader or press the connection key then entry his login name and perhaps his password.

### 3.1 Card buying

After having pressed the key "Buy card ", the **DRC10** asks to select a means of payment:

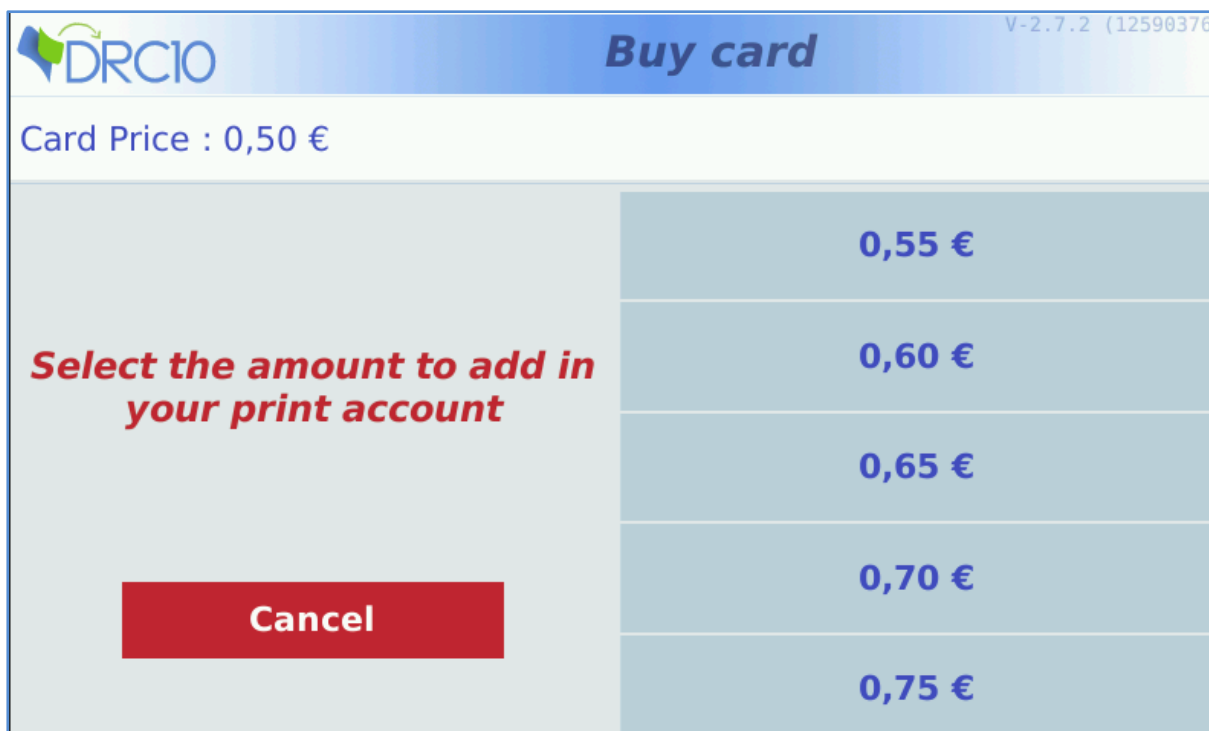


By selecting the "Cash" payment, the user can insert coins or bills.  
The values of accepted coins and bills are displayed





By selecting payment by "Card" (bank), the user can choose a predefined card purchase amount and then make the payment.



**DRC10** *Buy card* V-2.7.2 (12590376)

Card Price : 0,50 €

*Select the amount to add in your print account*

**Cancel**

0,55 €
0,60 €
0,65 €
0,70 €
0,75 €

In the central window, the **DRC10** displays the amount inserted and in brackets, the value that will be credited to the user's account.

According to the configuration, the amount credited is expressed in Euros or in Units (with or without decimals).

When buying a card, the amount inserted is decomposed into a part for the card payment, the other part exceeding the price of the card is used to credit the user account.

The transaction is completed by pressing the key "Validate purchase".

In case the user does not press this key, a transaction of end is launched automatically after 2 minutes of inactivity (this time is adjustable on the Gespage server).

The **DRC10** system dispenses a new card and creates dynamically an anonymous user account on the Gespage server, the name of the anonymous account is "userxxx" with xxx representing a unique number.

The user can also print a payment receipt, in this form:

Cartadis  
1, Av Louison Bobet  
94120 Fontenay Sous-Bois  
Tel: (33) 01 23 45 64 89

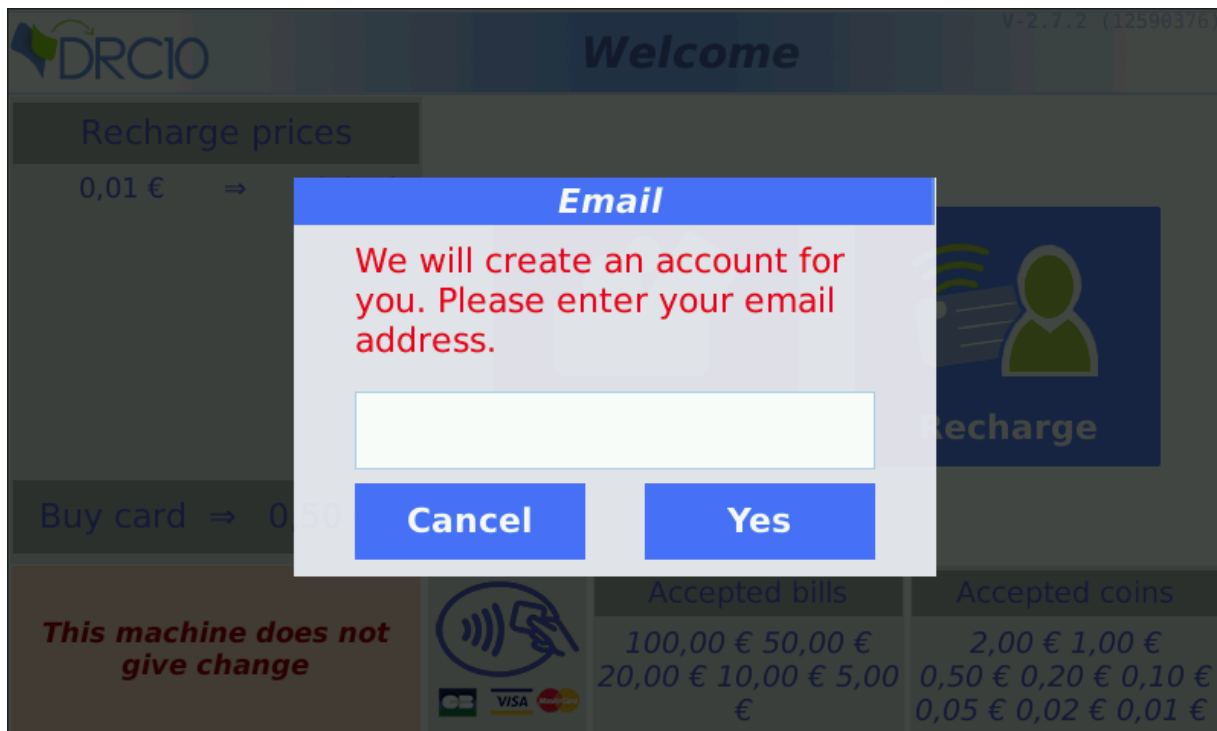
-----  
23/03/2022 10 :42 :59  
# 201 #  
-----

Transaction: Buy card  
Payment method: Cash  
Amount: 1.00€

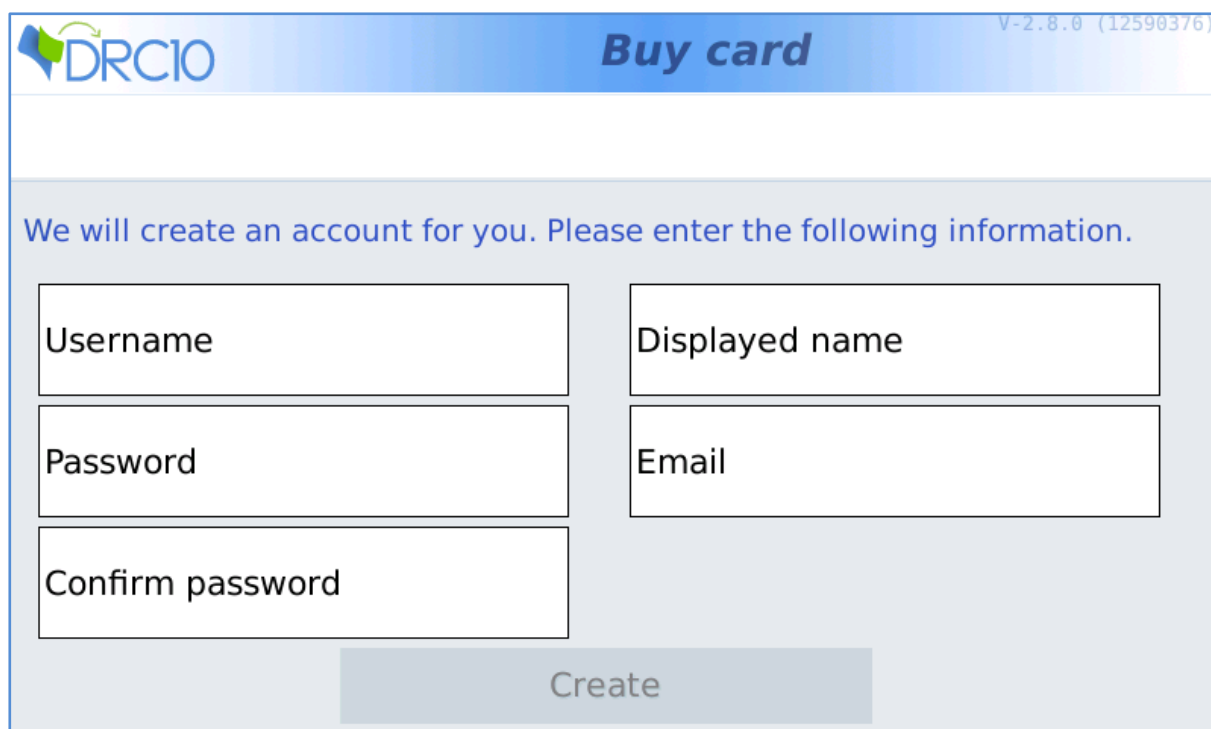
Thanks

The **DRC10** dispenses a card which can be used directly on an eTerminal or on a physical terminal of the cPad type with a card reader (type TCM3/, TCM4) to make copies or prints from a UBS key. But, for paying prints from the **DRC10/CR10**, the eTerminal or the cPad terminal, this anonymous card must be associated with an existing Gespage print account.

On Gespage, by modifying the "account\_creation\_mode" parameter, it is possible to change the way a card will be associated with a Gespage account when it is purchased,  
By default, the "account\_creation\_mode" parameter is set to "anonymous". The card will be associated with an anonymous account, the behaviour is that described above (see page 10, the list of the various parameters).  
If the "account\_creation\_mode" parameter is on "email", when pressing "Buy card", the **DRC10** asks for an email address to create the account, all the rest of the customer journey is similar.



If the "account\_creation\_mode" parameter is set to "full", when pressing "Buy card", the **DRC10** proposes the creation of a new Gespage printing account, the new card will thus be associated with this account and the user will be able to authenticate with this account to make copies and prints. The following fields must be filled in:



**Buy card**

We will create an account for you. Please enter the following information.

Username

Password

Confirm password

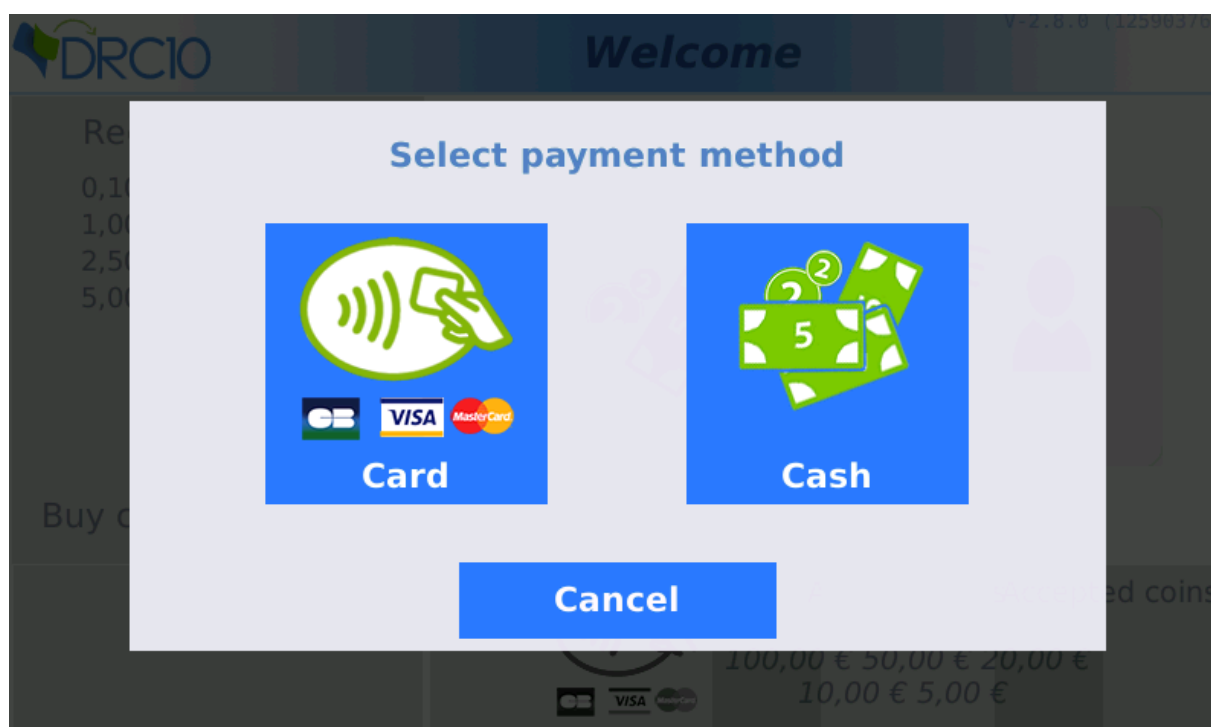
Displayed name

Email

Create

### 3.2 Account recharging

On the user has been identified by presenting a card known by the Gespage server or by entering a login/password, the **DRC10/CR10** asks to select a means of payment:



**Welcome**

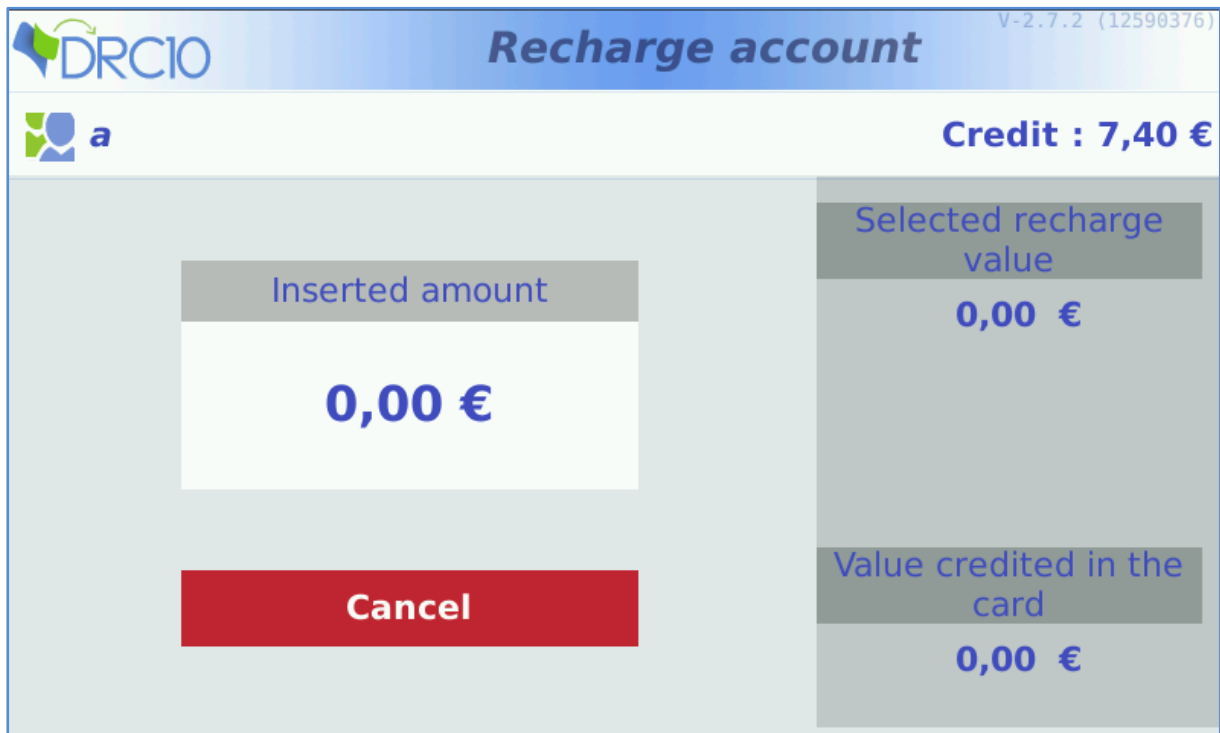
Select payment method

Card

Cash

Cancel

By selecting "Cash" payment, the user can insert coins or bills.  
Values of accepted coins and bills are displayed



**DRC10** V-2.7.2 (12590376)

**Recharge account**

**Credit : 7,40 €**

**Inserted amount**

**0,00 €**

**Selected recharge value**

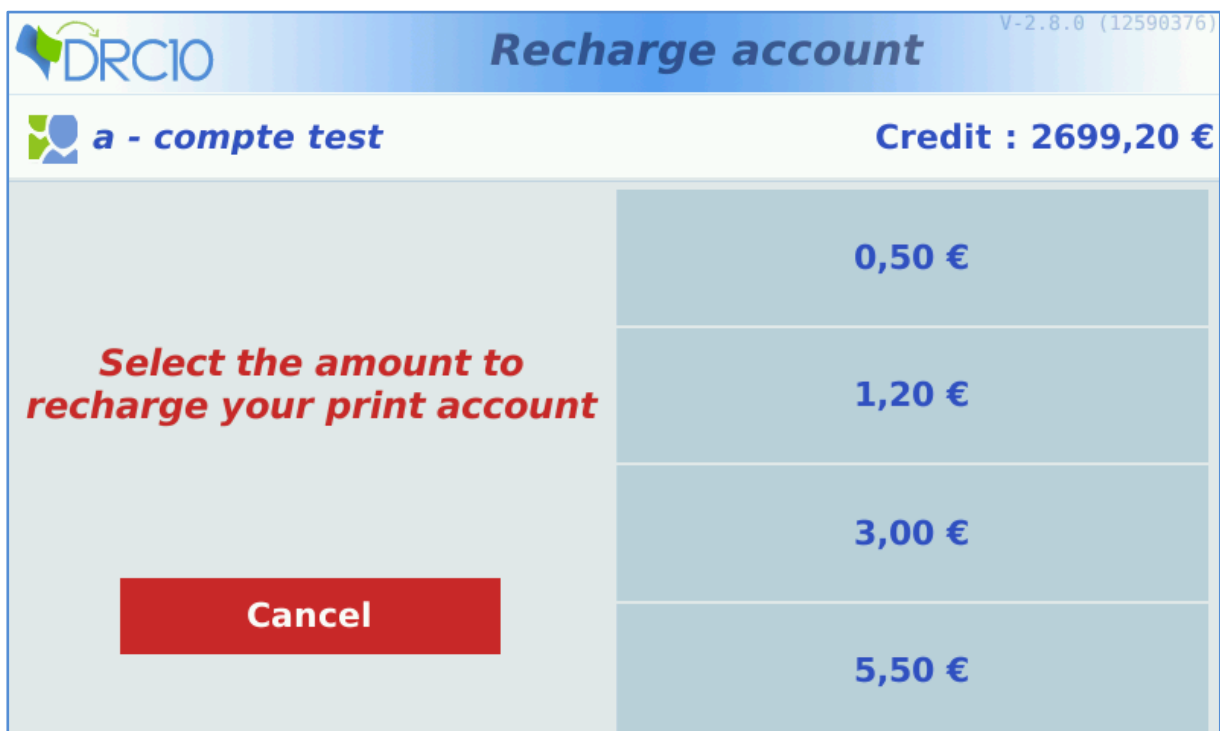
**0,00 €**

**Value credited in the card**

**0,00 €**

**Cancel**

By selecting payment by "Card" (bank), the user can choose the amount of the card recharge and then make the payment.



**DRC10** V-2.8.0 (12590376)

**Recharge account**

**a - compte test** **Credit : 2699,20 €**

**Select the amount to recharge your print account**

**0,50 €**

**1,20 €**

**3,00 €**

**5,50 €**

**Cancel**

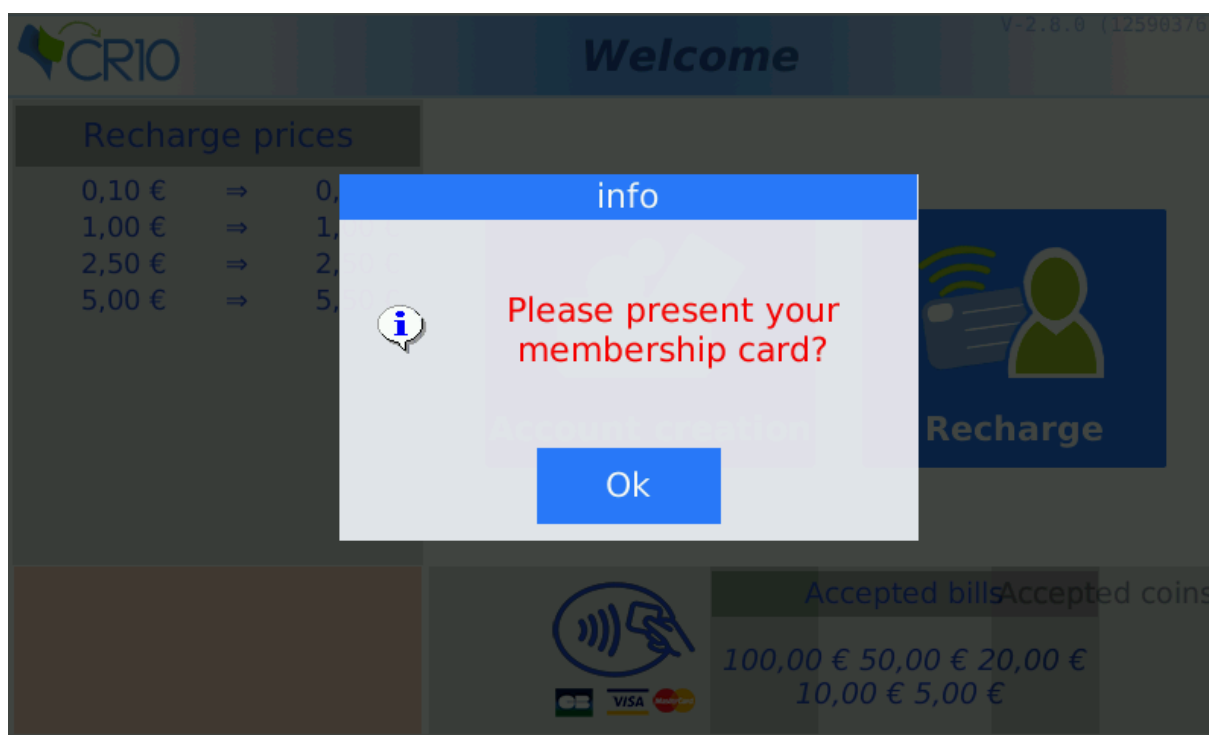
The user will have to press the key "Finish" for completing the recharging transaction. In case the user does not press this key, a transaction of end is launched automatically after 2 minutes of inactivity (this time is adjustable on the Gespage server).

### 3.3 Creation of a Gespage account on CR10

On **CR10**, a Gespage account may be created directly and associated with a subscription card. In the advanced parameters of the **CR10**, "account\_creation\_mode" must be set to "full\_card". On the home page, the **CR10** displays a button "Create account".



By pressing this button, you are asked to present your subscription card (the card must not be linked to any account). If you do not have a card, just press "Ok" to move to the next step:



Then you just have to fill in your requested personal information as well as fill in a password that will be used to authenticate to your account afterwards:

We will create an account for you. Please enter the following information.

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	

Create

The account thus created will allow the user to authenticate with this account to make copies and prints.

# 4. Management

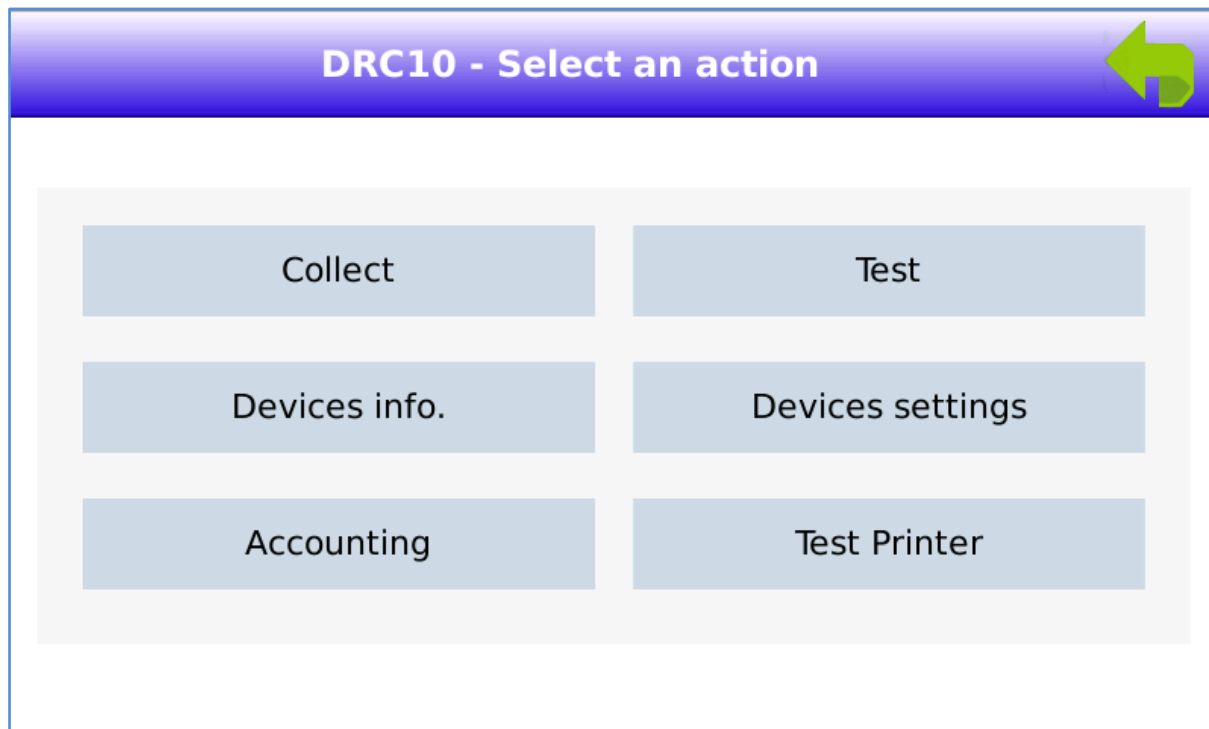
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## 4.1 Viewing of statistics

The **DRC10** management mode is launched automatically when the door is open.

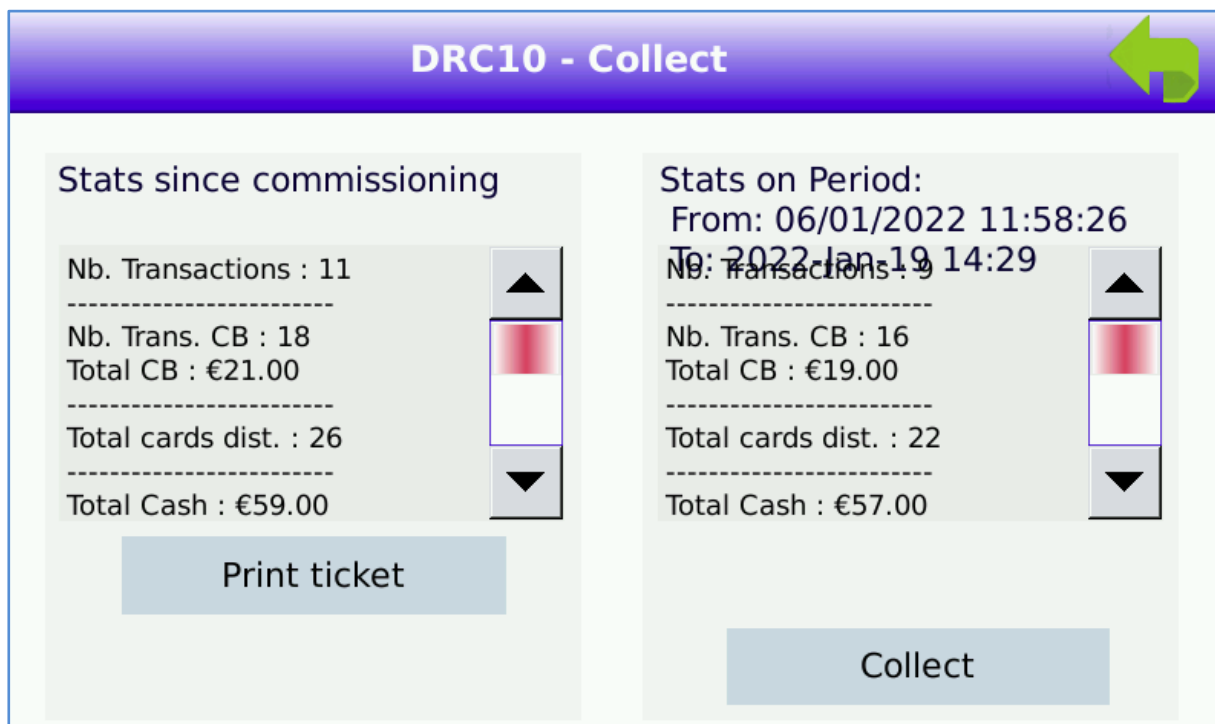
The **DRC10** administrator can:

- View the turnover statistics.
- Collect money.
- Fill the dispensing card feeder.
- Print statistics.



The statistics can be viewed by selecting the “DRC10 Config.” menu and press the “Collect” button.

The following screen comes to display:



The left list contains the sales statistics from commissioning, these statistics cannot be reset to 0. These statistics can be printed by selecting “Print ticket”.

The right list contains the sales statistics since the last collection of money.



Statistics consist of:

- Total number of cards dispensed.
- Turnover of sales in Euros or in the local currency.
- Turnover performed with coins and the details of the coins inserted.
- Turnover performed with bills and the details of the bills inserted.

## 4.2 Procedure of cash collection

The person in charge of the cash collection can view the periodic statistics for checking that the amount of money collected is equal to the amount generated by the **DRC10/CR10**.

Once the money collected, the person in charge must press the “New Period” button for opening a new statistics period. This will also cause the sending of an event to the Gespage server.

The amounts collected may be viewed on the Gespage server.

## 4.3 Procedure of card feeder filling

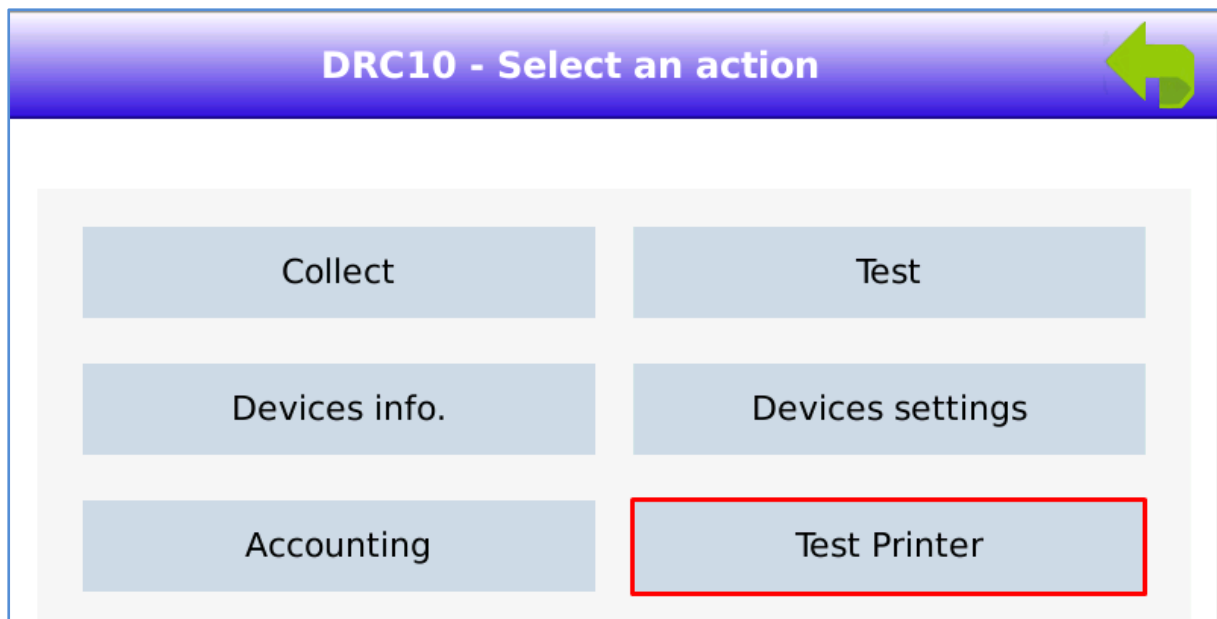
The procedure for filling the card feeder is:

- Open the **DRC10** door.
- Remove the detachable front panel from the feeder by dragging it upwards and then by tilting it outwards.
- Remove the card weight.
- Add your new cards by stacking them and putting them in contact with the sides of the feeder.
- IMPORTANT: replace the card weight.
- Replace the detachable front panel.
- Close the door.

## 4.4 Print test procedure

You must access the “Test Printer” option in order to test the proper functioning of the prints:

- Open the **DRC10** door.
- Access the “DRC10. Config” then in “Test Printer”.
- A test ticket will be printed.



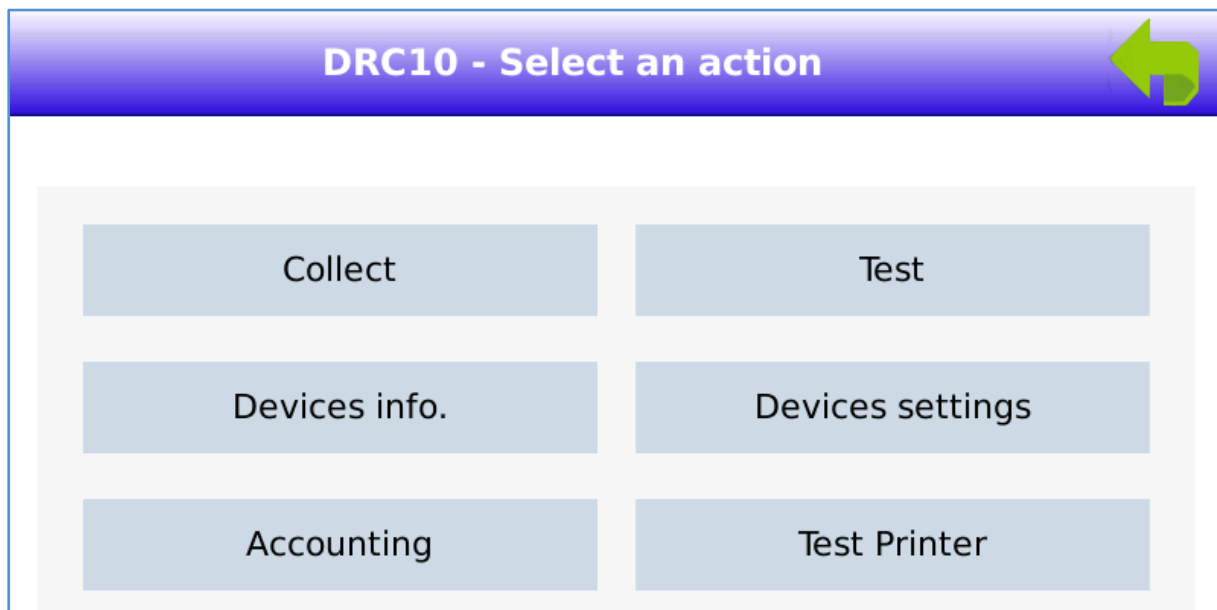
## 4.5 Procedure for extracting the accounting journal

The accounting journal is a file that can be opened with Excel.

It gathers, line by line, the details of all the transactions carried out on the device.

In order to extract the accounting journal, you must first connect a USB key to the **DRC10**:

- Open the **DRC10** door.
- Access the "DRC10. Config" then in "Accounting journal".
- Validate.
- An `accounting.csv` file is then generated on the USB key.



# 5. Maintenance

## 5.1 Test of the coin mechanism and the bills reader

The coin mechanism can be tested without affecting the sales statistics. The procedure is as follows:

- Open the **DRC10** door.
- Select the menu "DRC10 Config. ".
- Press key "Test ".

The **DRC10/CR10** displays:

**DRC10 - Test Devices**

Insert coins or bills...

Test card dispenser

Coins

Channel	Denomination	Nb coins	Total Value
1	€ 0.10	0	0.00
2	€ 0.20	0	0.00
3	€ 0.50	0	0.00
4	€ 1.00	0	0.00
5	€ 2.00	0	0.00
Total		0	0.00

Bills

Channel	Denomination	Nb bills	Total Value
1	€ 5.00	0	0.00
2	€ 10.00	0	0.00
3	€ 20.00	0	0.00
4	€ 50.00	0	0.00
Total		0	0.00

From now on, coins and bills can be inserted. The screen is updated at each insertion.  
Coins or bills inserted are not counted in the sales statistics.

## 5.2 Test of the card dispenser (DRC10)

From the previous screen, press “Test card dispenser “, the **DRC10** displays:

**DRC10 - Test**

Test coins/bills valid.

**Card Distribution test**

Multiple Cards      Single Card

Mult.Dist.Only      Single Dist.only

Nb Cards : 30

Test Optos      Test Card Release      Test Read Card

Pressing the “Multiple Cards” or “Single Card” keys enables cards to be dispensed, read and released.

Pressing the “Mult.Dist.Only” or “Single Dist. only” keys enables cards to be dispensed and read released.

Pressing “Test Card Release” releases cards manually.

Pressing "Test Optos" allows you to check whether the card presence detector is working.

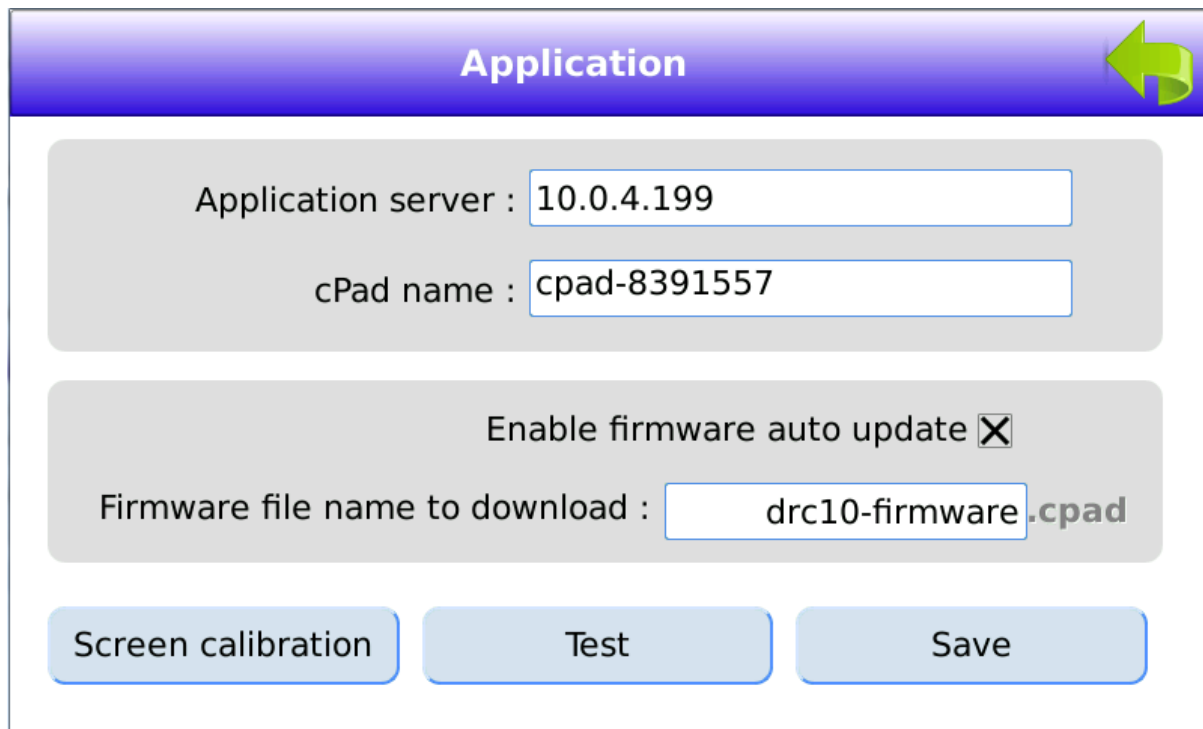
Pressing "Test Read Card" allows you to test the reading of a card once under the TCM3.

## 5.3 Test of communication with the server

The communication with the Gespage (port TCP 7180) server can be tested as follows:

- Open the **DRC10** door.
- Select the menu “Server “.

The **DRC10** displays:



The screenshot shows a software interface titled "Application" with a green arrow icon in the top right corner. The interface contains two main configuration sections. The first section has two input fields: "Application server :" with the value "10.0.4.199" and "cPad name :" with the value "cpad-8391557". The second section has a checkbox labeled "Enable firmware auto update" which is checked, and a label "Firmware file name to download :" followed by an input field containing "drc10-firmware.cpad". At the bottom of the interface are three buttons: "Screen calibration", "Test", and "Save".

Press the key “Test “for testing the communication with the Gespage server. If the communication is correct, the message “Communication OK “is displayed.