

Vario Access

Central Access editor

1. Introduction:

VarioAccess allows managing the access from the users to the installations, reading and modifying the configuration of the emitters, change the schedule and days of access, antipassback configuration, everything through the computer of the office or store with no need to move.

1.1. Software installing instructions:

In CD must exist inside or outside a folder the following files:

- Instalar.msi
- Antes de instalar.exe
- Icon.ico
- Tools folder

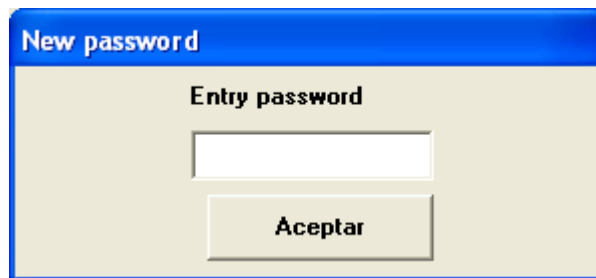
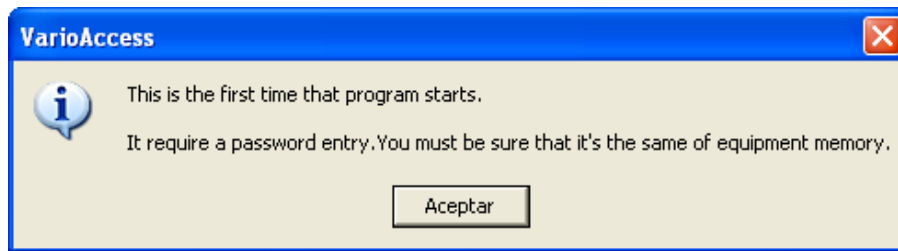
In order to install the software the only thing you need to do is double click in Instalar.msi file and the installation will begin automatically. If it is not the first time that installs the program, before installing it must double click in the file instalar.msi to verify the state of the installed files.

For a correct installation follow the installation steps indicated by the menu.

Note: Depending on the operating system it is possible that the installation process emits some warning messages about the version of the file that is desired to install old/new one that the one that there is at the moment installed, in case of doubt omit or leave the file that there is installed at the moment (Choose install a new file can cause bad program operations).

1.2. The first time you execute the program:

Appears a message indicating that is the first time you open the program, then you need to introduce an access password.



Password entry window

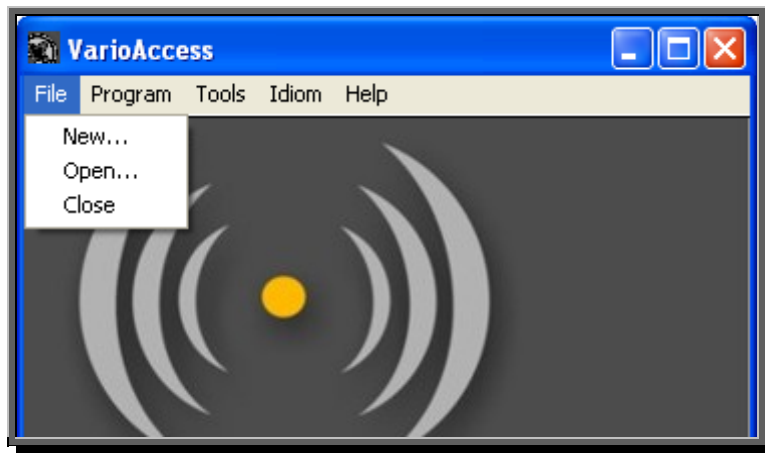
1.3. Main window:

From this screen it is possible to access to all the program menus. This will always remain open.



2. File Menu:

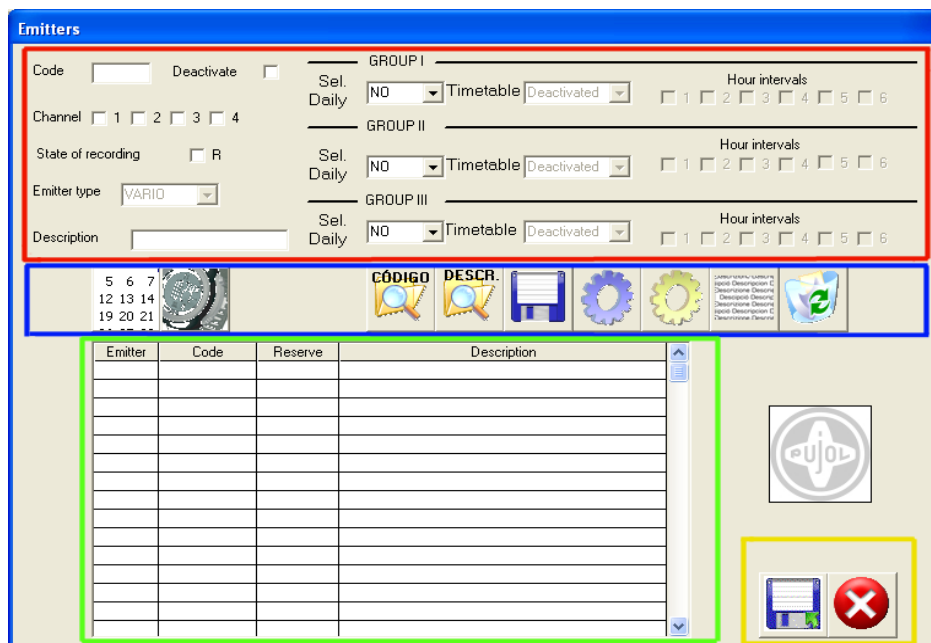
3 possible options: New, Open and Close.



2.1. File>New:

Creates a new emitters file for the *access central unit*.

When doing a click in File menu will appears the emitters screen. From this screen every one of the emitters can be parameterized.



This screen is divided in 4 main blocks :

- ❏ **Red box:** Edition of the selected emitter list.
- ❏ **Blue box:** Action buttons. With them it is possible to erased, to look for, to generate or to eliminate the information of each one of the emitters.
- ❏ **Green box:** List of created or downloaded emitters.
- ❏ **Yellow box:** Save and cancel buttons.

2.1.1. Red Box (selected emitter information):

Through the different check boxes we can select all the information corresponding to the created emitter.

- Code check box – Emitter code
- Deactivated check box – Allow to maintain emitter information in the file but channel is not transmitted during upload operation.
- Channel check box – 4 channels available for each emitter, when one or more check boxes are selected this will be the activated channels in the emitter.
- Reserve check box - When is selected indicates that the position of the present emitter and all its information will be reserved.
- Type check box – Emitter type selected
- Description check box - Additional information associated to the emitter. When a automatically list of emitters is generated, the program associates the wrote description followed by an underscore and the position of the emitter. For example: user_34. This single description exists in surroundings P.C; the information does not contain the *Access central unit*.
- Hour and day information check box - Three groups differentiated for each emitter, and through which it is possible to be given to access privileges, restricting/giving access according to the hours and/or days indicated in each one of the check boxes

Emitter menu example:

Emitter data:

Code - 9345
 Channel - 1 and 2
 No reserved
 Type -VARIO
 Description - Ana González

Access restriction

The single user can access from Monday through Friday, in the morning from 8:00 to 14:00 and Saturdays and Sundays from 17:00 to 20:00.

Emitters

Code: 9345 Deactivate: ☐ Channel: ☒ 1 ☒ 2 ☐ 3 ☐ 4 State of recording: ☐ R Emitter type: VARIO Description: Ana González_1

GROUP I
 Sel. Daily: NO Timetable: Activated Hour intervals: ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

GROUP II
 Sel. Daily: Daily2 Timetable: Activated Hour intervals: ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

GROUP III
 Sel. Daily: NO Timetable: Deactivated Hour intervals: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

5 6 7 12 13 14 19 20 21

CÓDIGO DESCR. [Icons: Search, Save, Settings, Print, Help]

Emitter	Code	Reserve	Description
1	9345		Ana González_1

The example step by step:

- First of all select the position in which we want to place the emitter.
- Fill the fields and select the check boxes with the indicated data.
- Assuming that the hour and daily information already is entered in the application (See following section "2.1.2. Blue box"), we will have to select the groups that correspond with the facilitated data, in this case: Group I with hour group activated and the check box of interval 1, and Group II with activated hour group, interval 2 check boxes and daily selection in Diario2.
- Once data is introduced we must press the blue disc icon to record it.
- In case that Hour and/or daily information cannot even be filled, can access to the configuration screen with the action buttons "Daily Information and Hour Information" that they are next.

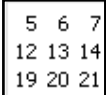
Button details:



2.1.2. Blue Box (Action buttons):





Both bellboys of the left part are the edition bellboys, for hour information

 Daily selection button: In the case of having connected the hour card in the *Access Central unit*, with this menu it is possible to configure every *Access Central* unit day or restrict the user access.

Daily selection

DAILY 1	DAILY 2	DAILY 3
<input type="checkbox"/> Monday	<input type="checkbox"/> Monday	<input type="checkbox"/> Monday
<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday	<input type="checkbox"/> Tuesday
<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday	<input type="checkbox"/> Wednesday
<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday	<input type="checkbox"/> Thursday
<input type="checkbox"/> Friday	<input type="checkbox"/> Friday	<input type="checkbox"/> Friday
<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday	<input type="checkbox"/> Saturday
<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday	<input type="checkbox"/> Sunday

Day configuration screen







Hour Groups button: In case of having connected the hour card in the *Access Central unit*, with this menu all hour restrictions of the users/emitters of the *Access central unit* can be formed.

Timetable groups

	GROUP I		GROUP II		GROUP III	
	Start hour	End hour	Start hour	End hour	Start hour	End hour
Interval 1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Interval 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Interval 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Interval 4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Interval 5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Interval 6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

*Hour format HH:MM:SS

Hour configuration screen



Save changes and exit



cancel changes and exit.

The Code and emitter buttons serve to look for information within the list of emitters.



DESCR. Emitting button allows looking for a description. The procedure looks for the entered sequence and shows the target location data, code and complete description, in a small window. Once the data is shown it gives us the option of continue to looking for (accept button) or cancel the search (cancel button).



CÓDIGO Code Button like the emitter, allows looking for the entered information within the listing of emitters.



Save selected emitter button. Whenever the properties of a selected emitter change, it must be pressed to save changes. When the button is pressed the changes of the Access central unit file only modifies the present edition of the list, to save data in a file it is needed to click in the Save changes and exit button, equal to this but with a small green arrow in the edge..



Erase button. Erase all selected emitter data.



Generate Button. When pressing it a window is opened where it will be indicated I number of emitters to generate and the initial data from which it creates the listing of emitters.

In case the introduced code existed, it will appear an alert message indicating that the code exists and it will increase in 10 units.

Only fills up the free positions of the list.

In the description field of each one of the different generated emitters, to be able to differentiate them, the position is added.

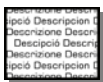
The following figure shows the aspect of the window after an automatic generation of emitters.

Emitter	Code	Reserve	Description
1	9345		Ana González_1
2	9346		Ana González_2
3	9347		Ana González_3
4	9348		Ana González_4
5	9349		Ana González_5
6	9350		Ana González_6
7	9351		Ana González_7
8	9352		Ana González_8
9	9353		Ana González_9
10	9354		Ana González_10
11	9355		Ana González_11
12	9356		Ana González_12
13	9357		Ana González_13
14	9358		Ana González_14
15	9359		Ana González_15



Associate hour values button. It assigns hour and daily characteristics to a group of emitters. Use hour and daily screen information and then copy it to the margin of emitting users selected.

In order to fix the values it is necessary to enter the range of users were data will be assigned.



Mix description button. When a file of the Access central unit is downloaded, this not include description, if this file was been created with VarioAcces with descriptions, exists the possibility of inserting these descriptions with this button. When pressing it appears a dialog to select the file that contains the descriptions. If this is of the same user, the non description file will be filled up all the emitters, whose code and channel agree with the present one, with the descriptions of this new file.

2.1.3. Yellow box (Exit buttons):



Save changes button. Save changes in the present file. It gives the option to overwrite the present file or save it with another name.

The files created with this menu, can be opened with Microsoft Excel, like a text file comma delimited. It is recommended to make a backup of the file before publishing it with Microsoft Excel, because a change of format of this can make it unsuitable to publish it in VarioAccess.

When saving changes appear the name of Central.txt by defect, this can be changed by any other.

ATTENTION: due to the format whereupon the data is stored is not possible to use a file created in a language when the program is working in another one different.



Cancel changes and exit button. It is the opposite actions to the previous one, with this do not modify changes done in Access central unit file, although the changes have been saved separately for different emitters, and leaves the emitting menu.

2.1.4. Green box (emitters list):

List of 2000 emitter's available in access central unit.

In each row of the emitter it appears the information of code, position, reserve and description. The Hour and Daily information (Restriction of access) appears in the indicated check boxes of the red box.

The common information of schedules and Days can be published and/or be seen with the Hour and Daily Information buttons. See: Emitter menu example:

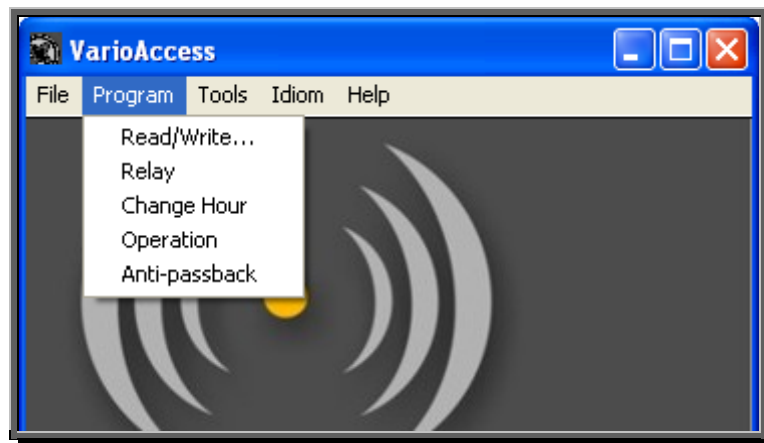
2.2. File>Open:

It opens a file of Access central unit to be able to publish it and to modify it.

2.3. File>Close:

Exit from VarioAccess

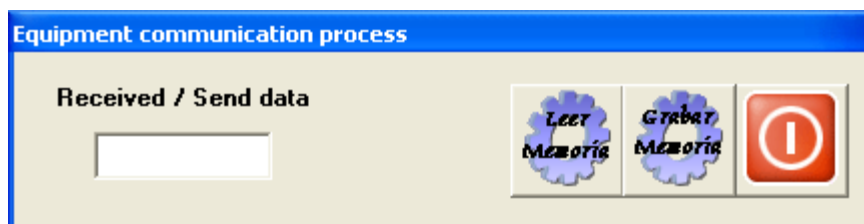
3. Program menu:



There are 5 options available: Read/Write, Relays, Change Hour, Operation and Anti-passback

3.1. Program>Read/Write:

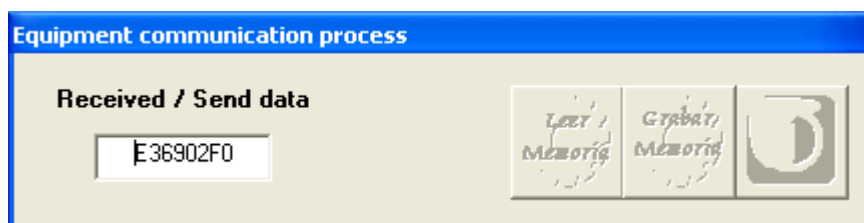
When acceding to the menu the next screen appears:



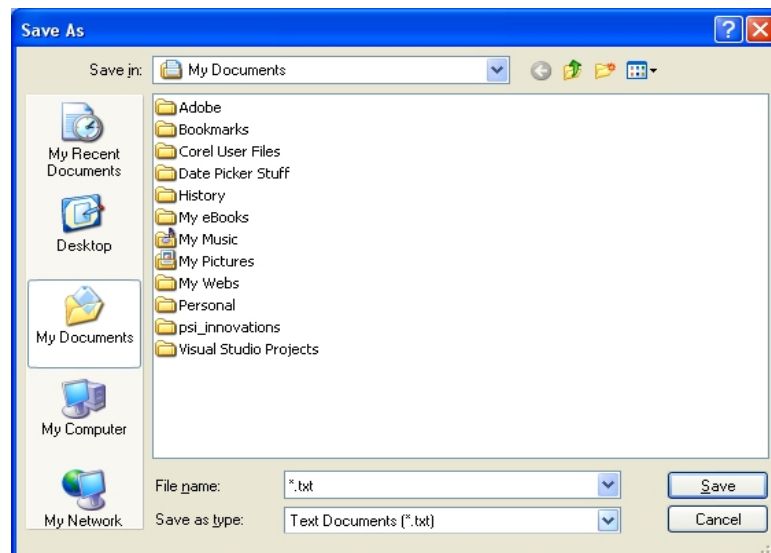
From this screen it can access to download the hour information and emitters from Access central unit, with the button Read memory or loading a file created and manipulated with the emitting menu to Access central unit.



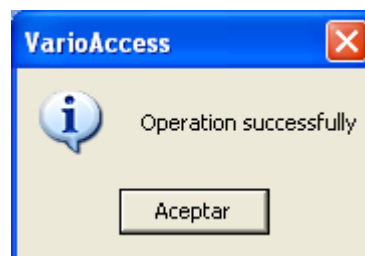
When the button is pressed (the Access central unit must be in normal operation), the downloading of hour information and the 2000 emitters of Access central unit (the process lasts 1min. approximately), during the transference appear random symbols in the square of received / send data to verify that the application is active. Once finalized the process the application requests a file name to save the data, file that will be able to be published from file>Open menu



Download data from Access central unit.



Entry file name dialog.



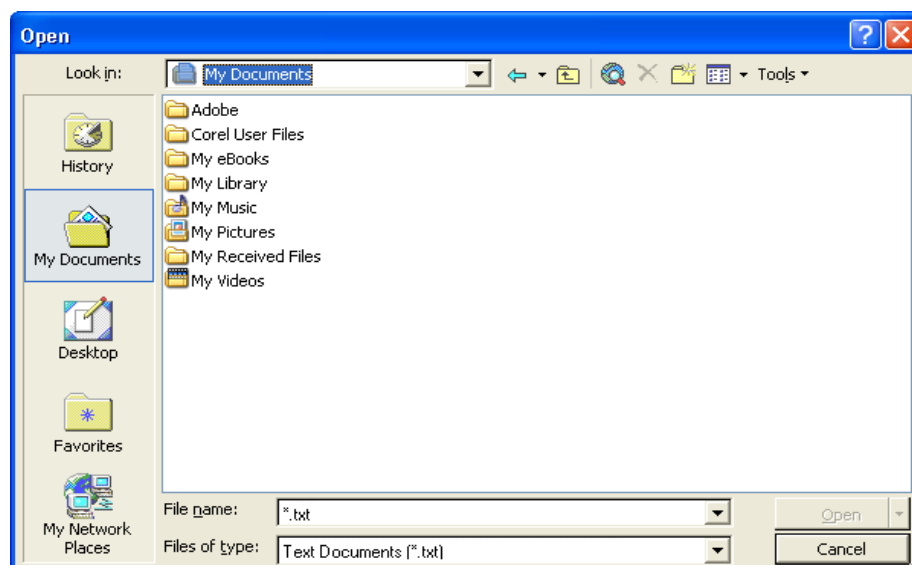
Operation Ok finish message



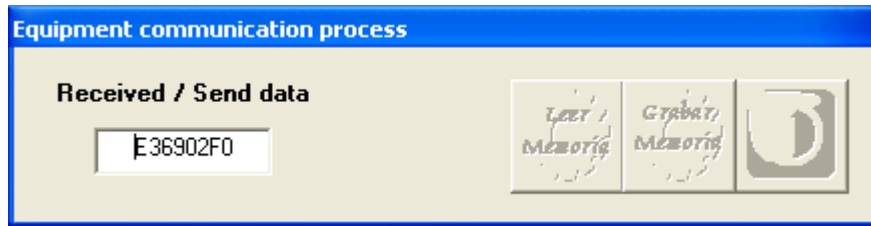
When the button is pressed (Access central unit must be in normal mode), a dialog window appears to select the file that we want to transmit. When the file is selected an information message appears indicating that the file is able to be transmitted, when the action is accepted the operation starts.

The transfer time of the file is approximately of 1 minute, but can vary depending on the quality of the communication between the PC and the Access central unit.

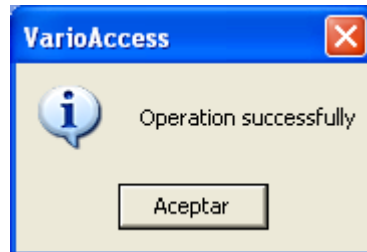
Once finished the process it is indicated with a message in screen.



File name dialog box.



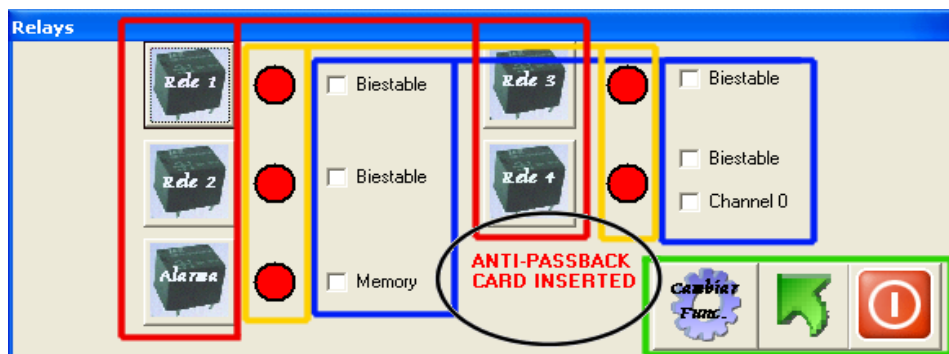
Download data message.



Operation finishes ok message

3.2. Program>Relays:

When acceding to the menu it appears a screen like this:



The screen contains 5 types different from Actions/information:

- **Red box:** Direct relay action buttons. The available relays are 4 plus alarm relays. With the buttons can be driven each one of them independently.
- **Yellow box:** Relays state information. Red circle indicates relay deactivated. Green circle indicates relay activated.
- **Blue box:** Information / selection relay type action. When selecting the menu or refreshing the screen of relays will appear the selected check boxes depending on the type of assigned relay configuration, if they are bistable type are selected and if they are not, normal.
- There are two check boxes, Memory and Proximity, that give information of it has been some alarm previously and if relay 4 acts like proximity key or no, respectively.
- **Purple ring:** Informs if into Access Central unit there are an hour card (ram CLK) inserted.
- **Green box:** Action buttons.



Exit button.



Screen refresh button. If there is some drive that makes change the state of relays will not be reflected at the moment, to see it, it is necessary to refresh the screen.



Relay configuration button. In order to change the present configuration, it is necessary to refresh the screen and change the type of operation, once changed press the Button Change Func. And the configuration will have changed.

3.3. Program >Change Hour:

When acceding to the menu it appears a screen like this: (This single section has effect only if you had hour card).

From this menu the hour of the switchboard can be consulted and/or be changed, how? With the two buttons available:



Read buttons. Clicking on the button it is possible to be read at the same time the hour of the Access central unit and the PC from which one works.

Once read the hour of both if it is wanted it can edit / change the hour of computer field.

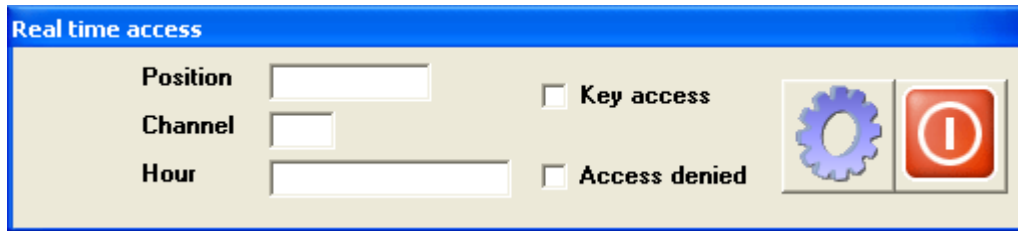
To change the actual hour it must press the exit button then a dialog box appears giving the option to update the hour or not.



Exit button.

3.4. Program>Operation:

When selecting the menu option appears a screen like the following one:



In the screen they appear 5 fields of information, all give information of the access that the access central unit is processing.

This option serves to be able to visualize, in real time, the accesses of Access central unit and alternatively it saves them in a Microsoft Excel comma delimited file.

- Position field - Position of the emitters list of the access central unit of the emitter that this acceding then.
- Channel field - Channel through which the emitter accedes (1, 2, 3, 4, 5).
- Hour field – Hour and date of access (11:00:00 - 1/01/2005)
- Access denied check box – If is selected indicates that who are trying to access does not have permission or has a restricted access.
- Key access check box - If is selected, indicates that who are trying to access it does through proximity Key and not with RF.



Exit button. When leaving the option exists the option to see the file of accesses created from the beginning of exploration.



Start Operation button. When pressing it appears a file selection menu to choose the file in which they will be saved the accesses that are received from access central unit once selected, by the screen they will be appearing the data of emitters / keys that access to the access central unit. When leaving, data can be visualized directly or later with Microsoft Excel.

3.5. Program>Antipassback

Allow to configure all the Access central unit antipassback options


The screenshot shows the 'Anti-passback configuration' window. It contains four sections, each for a different access type: E1 Access, S1 Access, E2 Access, and S2 Access. Each section has the following controls:

- Access channel:** A row of checkboxes for channels 0 through 7, and a 'Free output' checkbox.
- Magnetic detector options:** Two checkboxes labeled 'With magnetic detector for key' and 'With magnetic detector for emitter'.
- Access direction:** A dropdown menu currently set to 'Input'.
- Zone assignment:** Two checkboxes labeled 'Zone1' and 'Zone2'.

At the bottom right of the window are three icons: a gear (Settings), a document with a green arrow (Save), and a red circle with a white 'X' (Cancel).

From this screen we can configure all antipassback options.

By default the card is configured with 2 zones and 2 accesses by zone, one for input and another one for output, with a different channel for each one of them (channel 1, 2, 3 and 4 respectively).

In order to be able to read the present configuration it is necessary to press the  button and all the fields with the values of configuration of the card were updated.

The card initially has the previous configuration, although by means of this screen we can increase its benefits, allowing great variety of configurations.

In the screen are 4 differentiated accesses E1, S1, E2 and S2, each one of them can belong to Zona1 or Zona2. Each zone can have from 2 to 4 accesses (minimum 2 because an input and output access is necessary by zone). This allows forming zones with 3 or 4 accesses, for example: 2 of input and one of output or 1 input and 3 of output.

Each access can have a magnetic detector associated with the radio input or to the one of proximity keys reader (Magnetic detector with key and emitter check box).

If the selected access is an output access it exists the possibility that this output could be free activating the corresponding free Exit check box. This means that the stored position of the emitter is not considered, and the emitter can leave freely by the present access.

The same channel for different accesses in the same zone will not be able to be selected, and to do it in different zones can be cause a bad operation.

Anti-passback configuration

E1 Access

Access channel ☐ 0 ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 Free output ☐

With magnetic detector for key ☐ With magnetic detector for emitter ☒

Access direction Zone1 ☒ Zone2 ☐

S1 Access

Access channel ☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 Free output ☐

With magnetic detector for key ☐ With magnetic detector for emitter ☒

Access direction Zone1 ☒ Zone2 ☐

E2 Access

Access channel ☐ 0 ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 Free output ☐

With magnetic detector for key ☐ With magnetic detector for emitter ☒




Access direction Zone1 ☐ Zone2 ☒

S2 Access

Access channel ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 ☐ 6 ☐ 7 Free output ☐

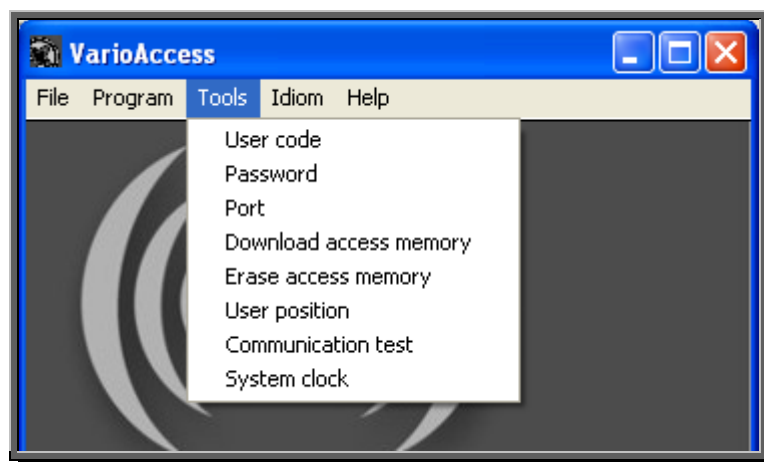
With magnetic detector for key ☐ With magnetic detector for emitter ☒

Access direction Zone1 ☐ Zone2 ☒

Anti-passback card default options

4. Tools menu



4.1. Tools>user code:

It is 20 numbers code with which can personalize the program, the variation of this code can cause that some of the program options are not accessible.

User code

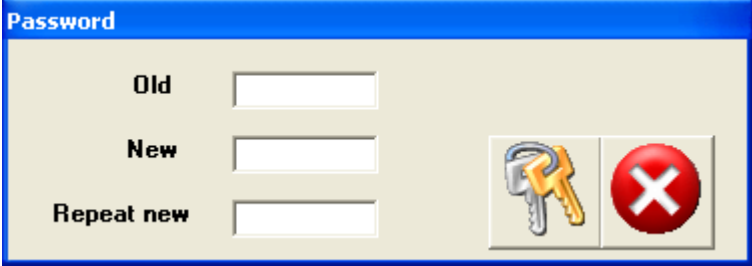
6BC36 08546 D23BD 9CEEA

Save Exit

4.2. Tools>Password:

It allows changing the entrance password. When opening this menu appears an alert message (see messages section) informing the user that any change made to the entrance password in the switchboard without using the program can disqualify some functions of VarioAccess.

In case this happened it is necessary to contact with the supplier of software to solve the problem.


A screenshot of the 'Password' dialog box. It has a blue title bar with the word 'Password'. The main area is light beige and contains three text input fields labeled 'Old', 'New', and 'Repeat new'. To the right of these fields are two buttons: one with a key icon and another with a red circle containing a white 'X'.


Change password screen

Change password process:

In order to change the program password, it is necessary to know the old password, which will be introduced in the Old password field. Then introduce the new password that you want to use in VarioAccess, in the new field and repeat field.

The password must be a 4 digits code (0000-9999).

Once filled up the fields old, new and repeat new correctly press the  button to save the passwords in the computer.

For exit press this button. 

4.3. Tools>Port:

A screenshot of the 'Select 1 of the 2 communication ports' dialog box. It has a blue title bar with the text 'Select 1 of the 2 communication ports'. The main area is light beige and contains a dropdown menu showing 'COM 1'. To the right of the dropdown are two buttons: one with a floppy disk icon and another with a red circle containing a white 'X'.

Communication port screen

Detection of COM ports available in the PC. By defect the application is configured to access through COM1, in case of not having it available or being in use, select another one available, save changes and exit. If the port selected is already the correct one exit with cancel button.

	Save changes and exit.		Cancel changes and exit.
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4.4. Tools>Download access memory:

It allows downloading the number of accesses that we indicate to him. Accesses are the listing of last N accesses to the access central unit from emitter or a key, with and without access permission.

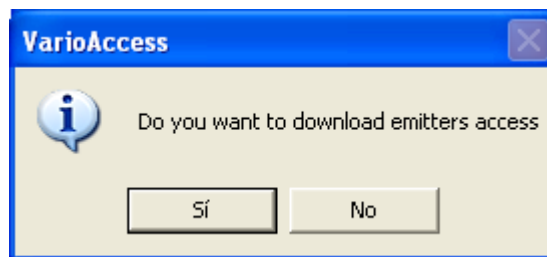
The access central unit allows storing a listing of approximately 5500 accesses. Each one stores information about date, Schedule, channel, position, permission and type.

This option allows to have the listing of the last accesses with no need to have the computer connected permanently.

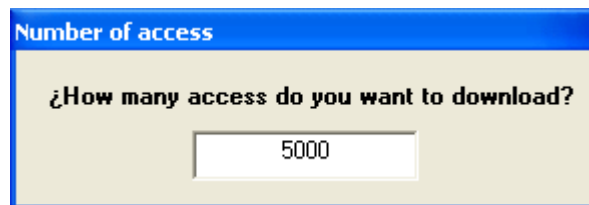
When downloading is finished the program requests the name of a file to save the accesses. The data is saved in a Microsoft Excel comma delimited file.

After saving data a dialog message appears giving the option to visualize data.

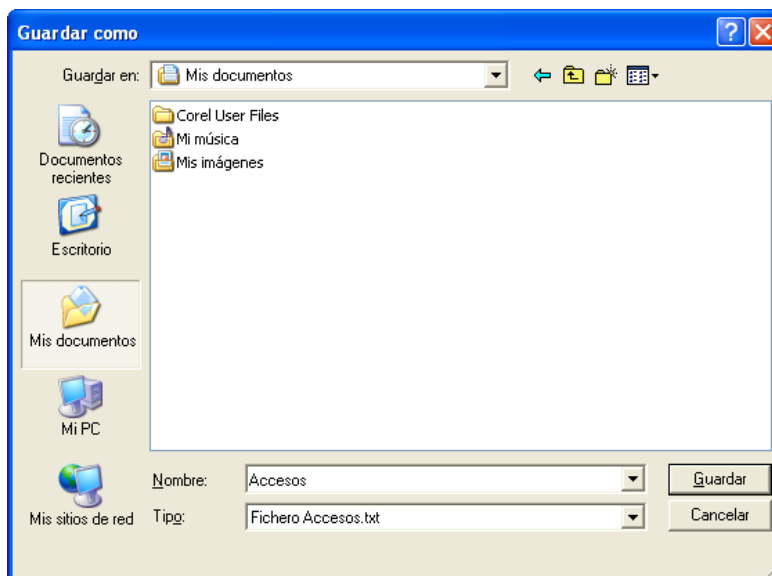
Process in a visual way:



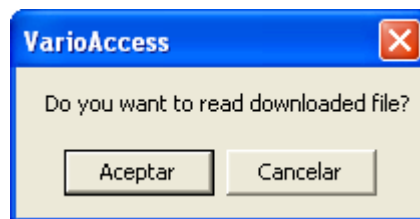
Start message.



Dialog box: number of accesses to download




Dialog box: name of file to save de accesses.



Dialog box: Visualize file?

File of accesses

Position	Channel	Access type	Permission	Access hour
<i>Last</i>	<i>25</i>	<i>Accesses:</i>		
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0
192	5	Emitter	A. Accepted	C0/C0-12:C0



File visualization.

4.5. Tools>Test Communications:

It allows to make a communication test between PC and access central unit.



Communication test

If the serial port is not connected, a warning message indicates that there are no communications available to execute the test.

In case of having connected the serial port, the test button can verify the communications. If these are not correct a failure message appears in the left box indicating "Communication Failure" and in opposite way a message indicating that these are correct.

To exit press this button:



5. Idiom menu:

ES (Spanish)

EN (English)

The program allows choose between 2 languages, English and Spanish. If idiom changes, all program messages and menus changes too.

ATTENTION: due to the format whereupon the data is stored is not possible to use a file created in a language when the program is working in another one different.

6. Help menu:

Help>About..

Product version information

Help>Instructions

Show the instruction file.